

Massachusetts Department of Transportation
Complete Streets Funding Program

Prioritization Plan

Technical Report For the Town of Hull, Massachusetts



Prepared For:

Town of Hull
Department of Public Works
9 Nantasket Avenue
Hull, MA 02045



Prepared by:

BETA Group, Inc.
315 Norwood Park South,
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Norwood, MA 02062

April 2017

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Introduction

The Massachusetts Department of Transportation (MassDOT) is committed to Complete Streets principals in policies and practice. This program was launched in February of 2016 to provide technical assistance and project funding to foster Complete Streets on local roads.¹ The Town of Hull, Massachusetts has embraced MassDOT's ideology and has developed its Complete Streets Policy as part of the Complete Streets Funding Program.

Complete Streets Policy & Goals

The Town of Hull adopted its Complete Streets Policy on May 24, 2016 showing its recognition that all projects are potential opportunities to design for and provide safety and accessibility for all the users of its roadways, trails, and transit systems. These users include pedestrians, bicyclists, transit riders, motorists, commercial vehicles, and emergency vehicles. By adopting this Complete Streets Policy, Hull aims to implement projects that contribute to safety, health, economic viability, to help to improve the quality of life for its constituents by providing accessible and efficient connections between home, school, work, recreation, and retail destinations.²

Objectives of the Complete Streets Funding Program

MassDOT aims to advance its communities in their commitment to creating strategic and all-inclusive approaches to Complete Streets in policy and in practice. The program aspires to help develop a comprehensive transportation network that provides safe and accessible options for all travel modes for people of all ages and abilities.³ The effort rewards these municipalities with technical assistance and construction funding to plan, design, and implement projects that ultimately promote more livable communities.

Prioritization Structure & Process

BETA Group established a step-by-step approach to create a comprehensive Prioritization Plan for the Town of Hull, Massachusetts that would reflect the goals of the Municipality and its Stake Holders.

The Municipal Team

Phil Lemnios, Town Manager
Jim Dow, Director of the Dept. of Public Works
Chris Dilorio, Planning Director
Sarah Clarren, Assistant Town Planner

¹ *Complete Streets Funding Program*. Massachusetts Department of Transportation. <http://www.massdot.state.ma.us/highway/DoingBusinessWithUs/LocalAidPrograms/CompleteStreets.aspx>. March 2017.

² *Town of Hull Complete Streets Policy*. Town of Hull: Kevin Richardson, Chairman of the Board of Selectmen. 24 May 2016. <https://masscompletestreets.com/PublicDownload.ashx?aWQ9MTQ5>

³ *Complete Streets Funding Program Guidance*. Massachusetts Department of Transportation. January 2016.

The BETA Group Project Team

Matt Shute, PE, Senior Project Manager
Conrad Leger, Project Manager / Asset Management
Francis Marinaccio, PE, Civil Engineer
Victor Vega, GIS/Asset Management Specialist

Pre-Planning

Most municipal organizations have an active process that shapes its overall mission and vision. Groups such as the Planning Department, the Department of Public Works, Engineering Departments, as well as other advocacy partners generally combine to contribute and define what the municipality will strive for. For this reason, it is important to take into account any prior work that is relevant to these types of projects.

Planning information collected for the Town of Hull includes:

- Hull Vision Statement
- Hull Vision update Slideshow
- Nantasket Beach Reservation Master Plan by DCR (2016)
- MAPC Greenway Network (2015)
- Community Preservation Act Planning Board Presentation (2015)
- Community Development Strategy (2010)
- ADA, Title II Self Evaluation and Transition Plan (2009)
- Hull Community Development Plan (June 2004)
- Hull Community Development Plan and Focus Area Study Presentation (2004)
- Nantasket Focused Area Study: Community Development Plan (2004)
- Hull Community Profile (2003) Draft
- Hull Economic Profile (2003) Draft
- Open Space and Recreation Plan Update (2000)
- Harbor Management Plan (1999)
- Development Potentials for Focus Area (1995)
- Nantasket Avenue Study (1990)

Kick-off Meeting and Municipal Alignment

The BETA Project team and the Municipal Team met on January 4, 2017 to align goals, tailor the work flow structure, and to set important milestones, schedules, and outcomes.

The Complete Streets Prioritization Plan Study follows this five step process:

1. Identification of stake holders, study sites, and/or potential projects as well as a general scope for each.
2. Carry out multiple site visits and field reviews of each location.
3. Analyze field observations; prepare cost estimates and a preliminary Prioritization Plan.
4. Present findings to the Owner for review.
5. Complete the Final Prioritization Plan and Technical Report.



Project and Study Site Identification

An integrative approach was taken to create a planning-level list of potential projects or study sites based on a multitude of benchmarks. When populating candidates, it's important to utilize any available relevant data that can be collected and reviewed beforehand. The following list describes some of the tools deemed to be significant in the planning stages of project and scope identification:

- MAPC Local Access Active Transportation Utility Scores⁴
- MassDOT High Crash Locations
- Municipal Input/Needs
- Capital Improvement Plans/Existing Projects
- Gaps in Network Connectivity
- Planning Document Outcomes
- Stake Holder and Local Advocacy Groups Input
- Available Crash Data
- Traffic Study/Speed Data
- Engineering Judgement
- Public Input/Suggestions

A high-level review of a preliminary list of projects for program requirements and eligibility is conducted. Projects are also vetted for their added benefit to the overall transportation network connectivity and community as a whole. Sites that do not meet program requirements are disqualified from further examination through this study.

⁴ *Local Access: Active Transportation Network Utility Score*. Metropolitan Area Planning Council. September 2016. <http://metro.boston.maps.arcgis.com/apps/MapSeries/index.html?appid=adad39f986ea48dcad795b38accdd330>

Projects that were dropped from consideration included:

- Atlantic Avenue Crossing Improvements in the vicinity of Gunrock Beach as the limits are currently included in a MassDOT TIP project.
- Kenberma Business District ADA Improvements on Nantasket Avenue as the limits may conflict with potential MassDOT TIP projects.
- Weir River Estuary Center Sidewalk Network Extension and Crossing Improvements as the limits are on a State Owned Facility, which are not eligible for Complete Streets Funding.

Through this process, **27** projects were identified to be part of the study and can be found in the Town of Hull's Final Prioritization Plan Appendix.

Site Visits, Field Reviews, & Data Collection

Prior to commencing field reviews, the Project Team reviewed all the available planning documents, data, as well as any other input.

The BETA Group Project Team conducted field review assessments for each study site. In some cases, multiple visits were necessary to make observations of the study locations at different peak operating and/or time periods.

The project team performed the following tasks at each identified project location:

- Inspection of existing right-of-way conditions
- Recorded roadway and sidewalk measurements
- Identified deficiencies, barriers to accessibility, and network gaps
- Identified potential utility and right-of-way issues
- Recorded photographs and videos

The captured information allowed the Project Team to define project limits, propose appropriate Complete Streets elements, and to make initial evaluations of feasibility/constructability. Proposed improvements aim to align with the objectives of the Town's Complete Streets Policy; creating enhancements that promote safe and accessible options for all travel modes for people of all ages and abilities. This information will shape the development of the Prioritization Plan.

Analysis & Findings

Data collected in the field was compiled and supplemented with existing planning documents which allowed for the alternatives to be evaluated, conceptual order-of-magnitude construction cost estimates to be prepared, and the criteria required for the Prioritization Plan to be developed. It is important to note that only direct construction costs are eligible for reimbursement through the Complete Streets Funding Program. Any costs necessary for tasks related to engineering services for design, bidding document preparation, construction oversight, obtaining rights-of-way, or other tasks beyond the scope of the Prioritization Plan development are not included.

Some of the study sites began with clearly defined proposed improvements whereas other locations could accommodate a multitude of different Complete Streets elements. The alternatives that appear in the Prioritization Plan were selected due to their feasibility of constructability, level of benefits to safety and accessibility, and economic impact.

Information for each project was input into the most recent MassDOT Prioritization Plan template from the Complete Streets Portal.

The Prioritization Plan template includes the following categories:

- Project Details
 - Rank
 - Project Name
 - Project Description
- Environmental Justice Population
- Complete Streets Location
 - Project Limits
 - Project Start Location: X,Y Coordinates (MA State Plane Meter)
 - Project End Location: X,Y Coordinates (MA State Plane Meter)
- Project Origin and Type
 - Complete Streets Project Origin (planning documentation or supporting analysis)
 - Complete Streets Project Type
- Complete Streets Needs
 - 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)
- Complete Streets Funding Request
 - Total Estimated Project Cost
 - Complete Streets Funding Requested
 - Other Funding Source(s) and Amount (if applicable)
- Construction Schedule
 - Anticipated Construction Duration (number of months)
 - Desired Construction Start Date (month/year)

Presentation & Calibration

The Prioritization Plan was submitted to the Town of Hull for their initial review. The Municipal Team read for intent, accuracy, and consistency. The Municipal Team also provided institutional knowledge which greatly assisted in the prioritization of these projects.

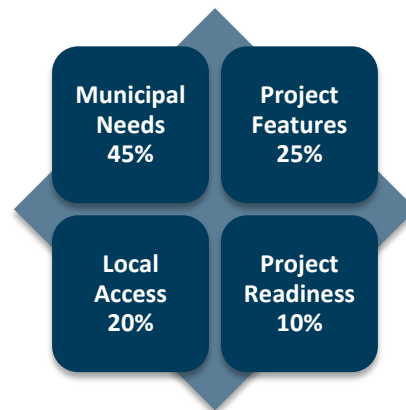
Once the projects and limits were approved by the Municipal Team, they were ranked based on their ability to address the objectives of the town and program. In order to prioritize the projects, the Project

Team developed evaluation criteria and a prioritization method that is repeatable and that can be calibrated and customized for the municipality it serves. The specific methodology outlined below is specific to the Town of Hull, Massachusetts and is tailored to address defined issues and needs to accomplish the goals established by the Town and its Complete Streets Policy.

The prioritization methodology focuses on four key aspects of project planning. It takes into account the following factors:

- **Municipal Needs**, including compatibility with local or regional goals, benefit and importance to the community as a whole, degree of public and stake holder support, geographic attributes, and cost.
- **Project Features**, in this case Complete Street elements including benefits to safety, pedestrian mobility, bicycle mobility, transit operations, vehicular operations, and freight operations.
- **MAPC Local Access Active Transportation Utility Scores**, a projects ability to connect transportation networks and eliminate gaps.
- **Project Readiness**, including the planning progress, project schedules, and/or projects that have other sources of funding.

These four primary categories of evaluation criteria are then weighted to emphasize the municipality's key goals. Projects are scored independently of each other based on these components and then weighted for relevance. Projects for the Town of Hull were weighted as follows:



Final Reporting

The resulting priority ranking of the Town of Hull's Complete Streets projects can be found in the Final Prioritization Plan Appendix. The Town of Hull has submitted the Final Prioritization Plan to MassDOT for approval.

Conclusions

The objective of this project was to develop a Prioritization Plan for the Town of Hull, Massachusetts for submission to MassDOT as part of the Complete Streets Funding Program. Once approved by MassDOT, the completed plan will allow the Town to submit projects from the Prioritization Plan for funding (up to \$400,000 per year) as part of the Tier 3 phase of the program.

Appendix



Town of Hull



Board of Selectmen

MUNICIPAL BUILDING
253 ATLANTIC AVENUE
HULL, MA 02045

COMPLETE STREET POLICY

Effective Date	5/24/2016
Public Meeting	5/24/2016
Selectmen vote to adopt policy	5/24/2016

Vision and Purpose:

Complete Streets are designed and operated to provide safety and accessibility for all users of our roadways, trails and transit systems (train, ferry and bus), including pedestrians, bicyclists, transit riders, motorists, commercial vehicles, and emergency vehicles. Furthermore, Complete Streets principles contribute toward the safety, health, economic viability, and quality of life in a community by providing accessible and efficient connections between home, school, work, recreation and retail destinations by improving the pedestrian and vehicular environments throughout communities. The purpose of Hull's Complete Streets policy, therefore, is to accommodate all road users by creating a road network that meets the needs of individuals utilizing a variety of transportation modes. The Town of Hull will formalize the plan, design, operation and maintenance of streets so that they are safe for all users of all ages and abilities as a matter of routine. This policy directs decision-makers to consistently plan, design, and construct streets to accommodate all anticipated users including but not limited to pedestrians, cyclists, motorists, emergency responders, transit and school bus riders, and freight and commercial vehicles, as they all are legitimate users of streets and deserve safe facilities.

Core Commitment:

The Town of Hull recognizes that all projects are potential opportunities to apply Complete Streets design principles. The Town will, to the maximum extent practical, design, construct, maintain, and operate all streets to provide for a comprehensive and integrated street network of facilities for all users.

Complete Streets design recommendations shall be incorporated into all publicly and privately funded projects, as appropriate. All transportation infrastructure and street design projects requiring funding or approval by the Town of Hull, as well as projects funded by the state and federal government, such as the Chapter 90 funds, City improvement grants, Transportation Improvement Program (TIP), the MassWorks Infrastructure Program, Community Development Block Grants (CDBG), Capital Funding and other state and federal funds for street an infrastructure design shall adhere to (comply with) the Town of Hull's Complete Streets Policy. Private developments and related street design components or corresponding street-related components shall adhere to (comply with) the Complete Streets principles. In addition, to the extent practical, state-owned roadways will comply with the Complete Streets resolution, including the design, construction, and maintenance of such roadways within Town boundaries.

The Department of Public Works will use best judgment regarding the feasibility of applying Complete Streets principles for routine roadway maintenance and projects.

The Board of Selectmen may grant an exemption to the Complete Streets Policy when:

1. Cost or impacts of accommodation is excessively disproportionate to the need or probable use or probable future use or there is documentation of an absence of current and future need.
2. Transit accommodations are not required where there is no existing or planned transit service.
3. Routine maintenance of the transportation network does not change the roadway geometry or operations; such as mowing, sweeping, and spot repair.
4. A reasonable and equivalent project along the same corridor is already programmed to provide facilities exempted from the project at hand.

Best Practices:

The Town of Hull's Complete Streets policy will focus on developing a connected, integrated network that serves all road users. Complete Streets support economic growth and community stability by providing accessible and efficient connections between home, school, work, recreation and retail destinations by improving the pedestrian and vehicular environments throughout the Town. In Hull, Complete Streets will be integrated into policies, planning, and design of all types of public and private projects, including new construction, reconstruction, rehabilitation, repair, and maintenance of transportation facilities on streets and redevelopment projects.

The Town of Hull recognizes that "Complete Streets" may be achieved through single elements incorporated into a particular project or incrementally through a series of smaller improvements or maintenance activities over time.

The latest design guidance, standards, and recommendations available will be used in the implementation of Complete Streets, including:

- The Massachusetts Department of Transportation Project Design and Development
- The latest edition of American Association of State Highway Transportation Officials (AASHTO) A Policy on Geometric Design of Highway and Streets
- The United States Department of Transportation Federal Highway Administration's Manual on Uniform Traffic Design Controls (2009)
- The Architectural Access Board (AAB) 521 CMR Rules and Regulations
- Documents and plans created for The Town of Hull, including but not limited to:
 - Open Space and Recreation Plan
 - Nantasket Beach Reservation Master Plan
 - Nantasket Focused Area Study
 - Hull Community Development Plan
 - Harbor Plan, Hull
 - Americans With Disabilities Act, Title II, Self Evaluation and Transition Plan
 - Nantasket Beach Overlay Zoning District
 - Hull Redevelopment Authority Pre-development Master Plan
 - Livable Communities Workshop Report, CTPS
 - Addressing Safety, Mobility, and Access on Subregional Priority Roadways: Summer Street/George Washington Boulevard in Hingham and Hull, CTPS
 - Capital Outlay Committee Plan
 - Pavement Management Program, Draft Report
 - Weir River (ACEC) Estuary Proposed Walking and Bicycling Route

Complete Streets principles include the development and implementation of projects in a context sensitive manner in which project implementation is sensitive to the community's physical, economic, and social setting. The context sensitive approach to process and design includes a range of goals by considering stakeholder and community values on a level plane with the project need. It includes goals related to livability with greater participation of those affected in order to gain project consensus. The overall goal of this approach is to preserve and enhance scenic, aesthetic, historical, and environmental resources while improving or maintaining safety, mobility, and infrastructure conditions.

Complete Streets implementation and effectiveness should be constantly evaluated for success and opportunities for improvement. The town will develop performance measures, including but not limited to the number of new or repainted crosswalks and increase in bicycle and pedestrian levels of service, in order to gauge implementation and effectiveness of the policies.

Implementation:

The Town shall make Complete Streets practices a routine part of everyday operations, shall approach every transportation project and program as an opportunity to improve streets and the transportation network for all users, and shall work in coordination with other departments, agencies, and jurisdictions to achieve Complete Streets.

The Town shall review and either revise or develop proposed revisions to all appropriate planning documents (master plans, open space and recreation plan, etc.), zoning and subdivision codes, laws, procedures, rules, regulations, guidelines, programs, and templates to integrate Complete Streets principles in all Street Projects on streets. A committee of relevant stakeholders designated by the Town Manager will be created to implement this initiative.

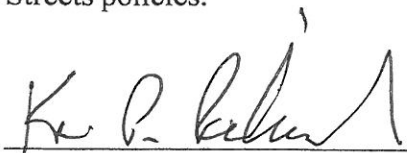
The Town shall maintain a comprehensive inventory of pedestrian and bicycle facility infrastructure that will prioritize projects to eliminate gaps in the sidewalk and bikeway network.

The Town will reevaluate Capital Improvement Projects prioritization to encourage implementation of Complete Streets implementation.

The Town will train pertinent town staff and decision-makers on the content of Complete Streets principles and best practices for implementing policy through workshops and other appropriate means.

The Town will utilize inter-department coordination to promote the most responsible and efficient use of resources for activities within the public way.

The Town will seek out appropriate sources of funding and grants for implementation of Complete Streets policies.



Kevin Richardson, Chairman
Board of Selectmen

Date: 5/31/16

Project: Hull, MA – Complete Streets Prioritization Plan
Prepared by: Matt Shute
Meeting #: Meeting No. 1

Job No:
Meeting Date: 1/4/17
Time: 10:00 a.m.

- 1) Intro
- 2) Prioritization Plan Development
 - a) Town input
 - b) Prior master plans
 - i) Nantasket Beach Reservation Master Plan (DCR)
 - ii) Hull Bicycling & Walking Summary Plan (Sustainable Transportation Committee)
 - c) GIS mapping
 - i) Bus Routes
 - ii) Sidewalk gaps
 - iii) Roadway widths
 - iv) Pavement condition
 - d) MassDOT High Accident Locations (none)
 - e) MAPC Local Access Score
- 3) Next Steps
 - a) Develop list of 15-20 projects
 - b) Site visits
 - i) Proposed improvements
 - ii) Construction cost
 - c) Complete Prioritization Plan using MassDOT Template
- 4) Schedule
 - a) MassDOT FY 18 deadlines for Tier 2
 - i) April 1, 2017 – Round 1
 - ii) September 1, 2017 – Round 2

RECORD OF MEETING**Date:** January 05, 2017**Job No.:** 5524**Date of Mtg:** January 05, 2017**City:** Hull, MA**Location of Mtg:** Hull Town Hall**Prepared By:** Matt Shute**Mtg Topic:** Tier 2 Prioritization Plan**ATTENDEES:**

NAME	ADDRESS / AFFILIATION	NAME	ADDRESS / AFFILIATION
Matt Shute	BETA		
Conrad Leger	BETA		

RECORD OF MEETING MINUTES:

Meeting was held to kick off the Tier 2 Prioritization Plan effort with the Town.

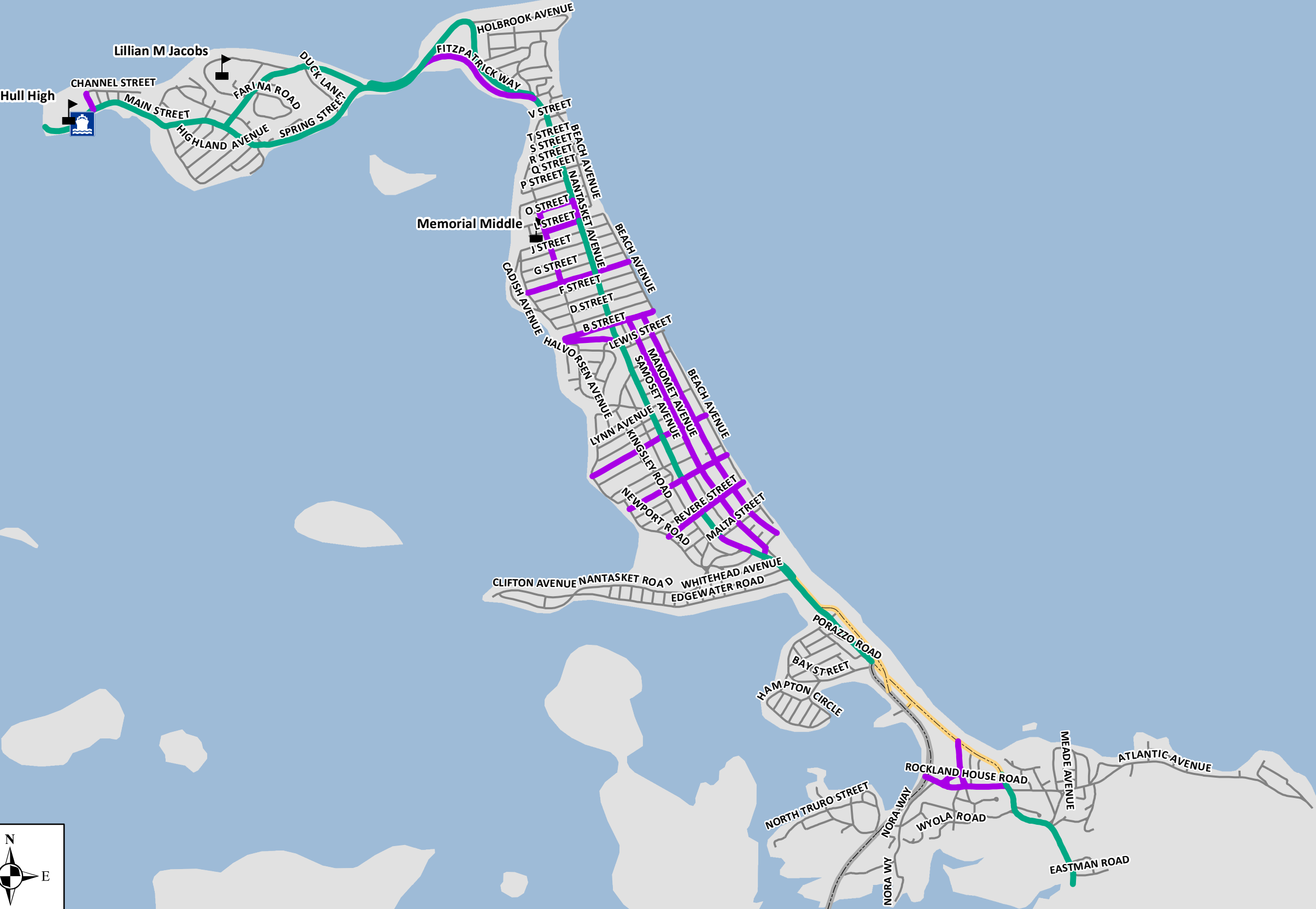
- Matt provided an overview of the MassDOT Complete Streets Funding Program
- The Town questioned how the Community Compact affected funding from this program, BETA was unsure of this but Matt stated that there has been no mention of the Compact during MassDOT's Complete Streets training sessions.
- A discussion took place of possible complete streets projects to include in the plan. Potential projects discussed were as follows:
 - Sidewalk improvements on L and M streets adjacent to the Middle School
 - Bike lanes in the Surfside Area
 - Bike lanes on Samoset, Manoment, Nantasket Ave
 - ADA improvements in the Kenberma Business District (this overlaps potential TIP project)
 - Connect the Kenberma Business District to the Surfside Area with ADA improvements
 - Provide ADA connectivity from ferry pier to High School and commuter parking area via Helen St (review prior TIP project plans)
 - Address sidewalk gaps along Fitzpatrick Way, Nantasket Ave, Spring St and Main St (between High School and Yacht club)
 - Consider new sidewalk/path in abandoned rail right of way (near Yacht Club??)
 - Consider bus shelters along MBTA Route on Nantasket Ave (A to H streets)
 - Consider pedestrian crossing improvements at:
 - Atlantic Ave (Gunrock beach)(this is included in current TIP project)
 - Kenberma playground
 - Access from apartment complex near Town Hall to Nantasket Beach



**Town of Hull
Complete Streets Program
Prioritization Plan Projects**

Legend

- Schools
- Seaports
- Complete Streets Projects
- Complete Streets Bike Projects
- DCR
- State



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This Map is Intended for Planning Purposes Only

BETA

0 0.2 0.4 Miles





Town of Hull
Complete Streets Program
MAPC Local Access Scores

Legend



Schools



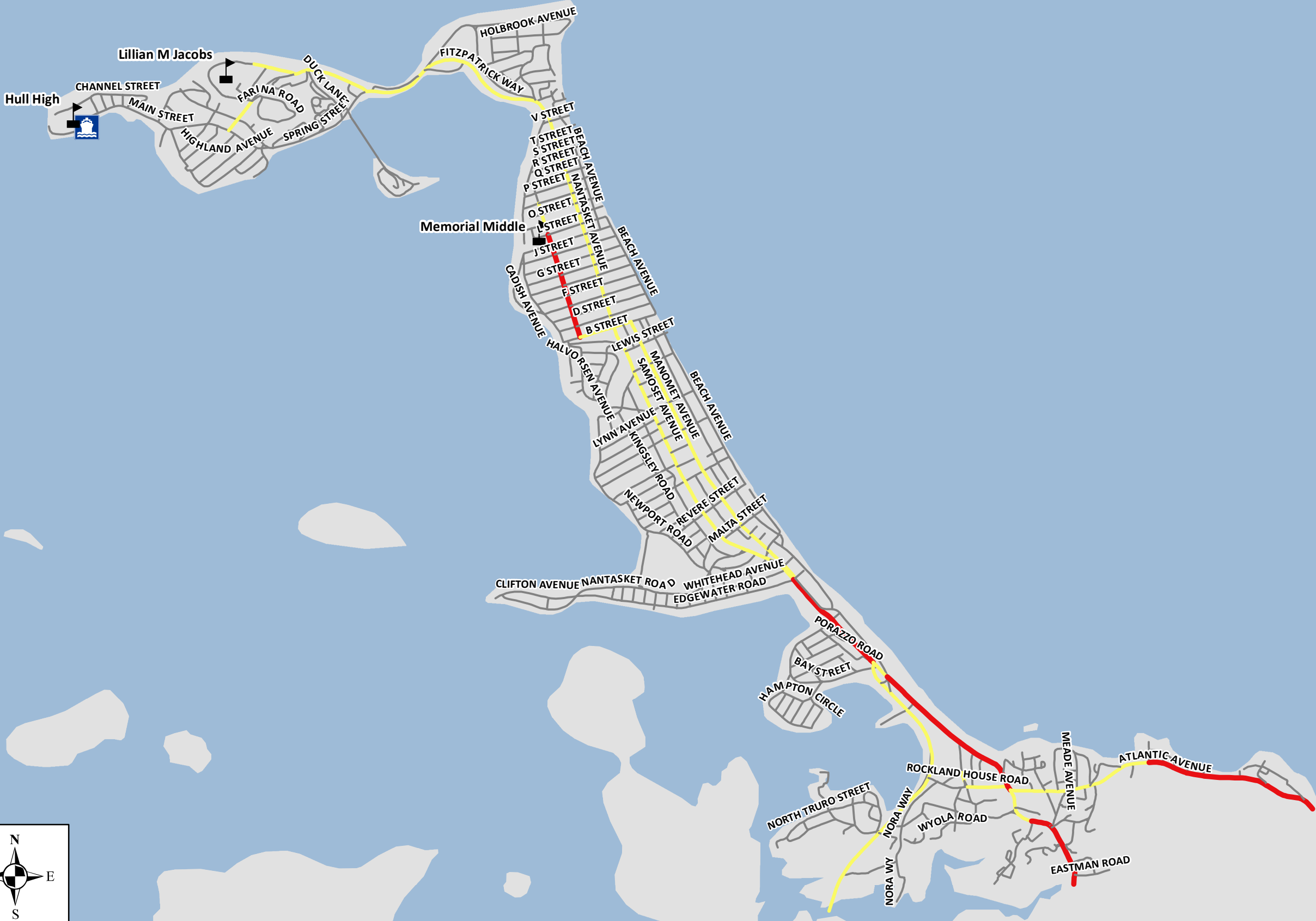
Seaports

Composite Utility Score

— Low (0.00 to 0.25)

— Moderate (0.25 to 0.75)

— High (0.75 to 2.54)

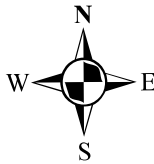


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BETA

0 0.2 0.4 Miles









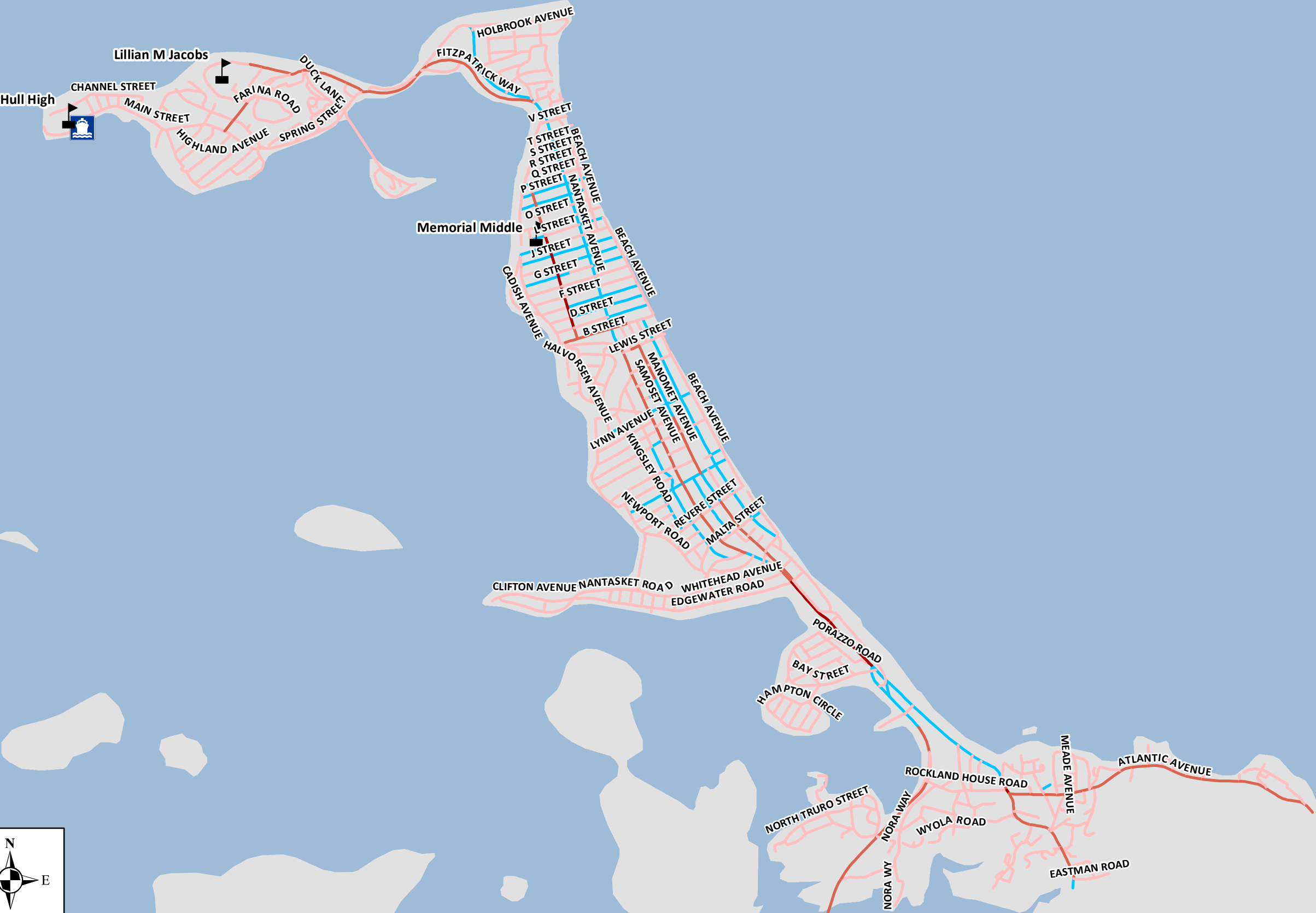
Town of Hull
Complete Streets Program
MAPC Walk Utility Scores

Legend

-  Schools
-  Seaports

Walk Utility Score

-  Low (0.00 to 0.27)
-  Moderate (0.27 to 1.10)
-  High (1.10 to 3.14)
-  Sidewalk Exists on Both Sides

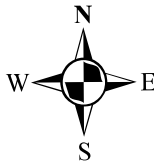


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This Map is Intended for Planning Purposes Only

BETA

0 0.2 0.4 Miles





MassDOT Complete Streets Funding Program Project Prioritization Plan

municipality

MassDOT District

Hull

5

Date

Name/Title

4/21/2017

Kevin Richardson, Chairman Board of Selectmen

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	Nantasket Avenue Sidewalk Improvement (Phase I)	Phase I includes new curbing and sidewalks on the east side of the road, accessible curb ramps, pedestrian bump-outs where possible at Sturgis Field mid-block crosswalk, re-alignment and restriping of crosswalks, new signage, and new bike lanes on Nantasket Avenue (cold plane and overlay). These improvements will create a continuous sidewalk and comfortable bicycle network on a major thoroughfare in the Town. It will connect neighborhoods around H street, Sturgis Field and proposed improvements to connect the Hull Elementary School, small businesses on Nantasket Avenue, the post office, other surrounding neighborhoods, and proposed sidewalks continuing up Nantasket Avenue to Y Street and more proposed sidewalks on Fitzpatrick Way. This project is also located on the main bus transit line.	No	Nantasket Avenue from H Street to Q Street.	42.296190, - 70.881017	42.300883, - 70.883018	Capital Improvement Program (CIP)	S2,S7,S12,B2,P2,P3 ,P5,P8,P9,P13,T1	X	X	X	X	X			No	\$400,000	\$400,000	TBD	4	07/01/17
2	Nantasket Avenue Sidewalk Improvement (Phase II)	Phase II extends the improvements from Phase I of new curbing and sidewalks on the east side of the road, accessible curb ramps, re-alignment and restriping of crosswalks, new signage, and new bike lanes (cold plane and overlay). These improvements will extend the continuous sidewalk and comfortable bicycle network on a major thoroughfare in the Town. It will connect the Phase I project to small businesses on Nantasket Avenue, the post office, surrounding neighborhoods, and proposed sidewalks on Fitzpatrick Way that lead eventually to the Pemperton Area and High School. This project is also located on the main bus transit line.	No	Nantasket Avenue from Q Street to Y Street.	42.300883, - 70.883018	42.305058, - 70.885405	Capital Improvement Program (CIP)	S2,S7,S12,B2,P2,P3 ,P5,P8,P9,P13,T1	X	X	X	X	X			No	\$440,000	\$400,000	\$40,000 TBD	4	07/01/17

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)
3	Fitzpatrick Way (South) Sidewalk Network Connections and Improvements	Installation of new curbing and sidewalks on the south side of the street, accessible curb ramps, shared bike lanes, and crossing treatments (crosswalk alignment, re-striping, and signage) to extend the sidewalk and bicycle network easterly and westerly making a major connection to the western tip of the peninsula. This sidewalk would connect multiple commuter parking lots, the High School, an Elementary School, Ferry/Bus Transit Station/Route, and surrounding neighborhoods to the main peninsula and points south closing sidewalk network gaps.	No	Fitzpatrick Way from Fitzpatrick Bridge (H26003AMMMUNN BI) southerly to Y Street.	42.306926, - 70.890240	42.304410, - 70.884498	Capital Improvement Program (CIP)	S2,S14,B2,P1,P2,P3,P5,P8,P9	X	X	X	X				No	\$340,000	\$340,000	\$ -	2	07/01/17
4	Nantasket Avenue / Fitzpatrick Way (North) Sidewalk Network Connection Improvements and Rail ROW Connection	Installation of new curbing and sidewalks on the south side of the street, accessible curb ramps, shared bike lanes, defining and reduction of parking lot entrances/exits, and crossing treatments (crosswalk alignment, re-striping, and signage) to extend the sidewalk and bicycle network easterly and westerly making a major connection to the western tip of the peninsula. This sidewalk would connect multiple commuter parking lots, the High School, an Elementary School, Ferry/Bus Transit Station/Route, and surrounding neighborhoods to the main peninsula and points south closing sidewalk network gaps.	No	Nantasket Avenue from Spring Street to Fitzpatrick Way and Fitzpatrick Way from Nantasket Avenue southerly to Fitzpatrick Bridge (H26003AMMMUNN BI).	42.305601, - 70.898537	42.307149, - 70.890675	Capital Improvement Program (CIP)	S6,S14,B8,P2,P3,P5,P8,P9	X	X	X	X		X		No	\$165,000	\$165,000	\$ -	2	07/01/17
5	A Street / Milford Street Intersection Sidewalk and Crossing Improvements	Installation of new curbing and sidewalks, accessible curb ramps, and crossing treatments (crosswalk re-alignment, re-striping, and signage) to reconstruct the intersection reducing corner radii, minimizing pedestrian crossing distances and better defining vehicular movements. This intersection connects the marina, apartment/condo complexes, and surrounding neighborhoods.	No	A Street from Cadish Avenue to Milford Street, and Milford Street from A Street to Halvorsen Avenue (including the intersection of Bay Avenue East)	42.291335, - 70.882983	42.291175, - 70.882898	Master Plan	S6,S7,S13,S14,P2,P3,P5,P9	X	X	X			X		No	\$35,000	\$35,000	\$ -	2	07/01/17

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)
6	Hull Bike Network Improvements	Installation of shared bike lanes and signage to create a comprehensive northerly-southerly bike network linking the length of Hull via bicycle and its neighbor Hingham to the south.	No	Main Street from Pemperton Point to Spring Street; Spring Street from Main Street to Nantasket Avenue; Nantasket Avenue from Main Street to Fitzpatrick Way; Fitzpatrick Way from Nantasket Avenue to Y Street; and Nantasket Avenue from Y Street to N Street, from L Street to Malta Street, and from Rockland House Avenue southerly to the Town Limit.	42.303720, - 70.922540	42.260451, - 70.844716	CS Needs Assessment	B7,B8,B9	X			X				No	\$75,000	\$75,000	\$ -	2	04/01/18
7	Nantasket Avenue Bus Shelters and ADA Improvements (School and MBTA)	Installation of bus shelters and accessible curb ramps at transit stops on Nantasket Avenue providing better access and shielding ridership from inclement weather. The bus route lines Nantasket Avenue and offers public transit access to the entire length of Hull.	No	Nantasket Avenue from N Street southerly to the Town Limit.	42.299219, - 70.882244	42.260451, - 70.844716	CS Needs Assessment	S2,P1,P2,P3,T1,T3	X	X	X		X			No	\$390,000	\$390,000	\$ -	2	04/01/18
8	Sturgis Field Sidewalk and Crossing Improvements	Installation of new curbing and sidewalk segments, accessible curb ramps, shared bike lanes, and crossing treatments (RFBB's, pedestrian bump-outs, crosswalk alignment, re-striping, and signage), creating a comprehensive sidewalk network and improving the bicycle network in this area connecting Sturgis Field, Hull Middle School, Nantasket Avenue (Bus Transit Route), and surrounding neighborhoods closing multiple sidewalk network gaps.	No	Central Street from N Street to L Street, N Street from Nantasket Avenue to Central Street (sidewalk on north side), Nantasket Avenue from N Street to L Street, and L Street from Central Street to Nantasket Avenue (sidewalk on south side).	42.297332, - 70.884478	42.299219, - 70.882244	Capital Improvement Program (CIP)	S2,S6,S8,S13,S14,S17,B3,B8,P1,P2,P3,P5,P8,P9,P12,T1,T2	X	X	X	X	X	X		No	\$395,000	\$395,000	\$ -	3	04/01/18

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)
9	Park Avenue Sidewalk Network Connections	Installation of new curbing and sidewalk segments on the west side of the street to connect existing sidewalk segments, accessible curb ramps, shared bike lanes, and crossing treatments (crosswalk alignment, re-striping, and signage) to reconstruct intersections reducing corner radii, minimizing pedestrian crossing distances and better defining vehicular movements, and extending the sidewalk and bicycle networks northerly and southerly. The project connects the Nantasket Downtown Area, Nantasket Beach, apartment/condo/hotel complexes, and surrounding neighborhoods closing multiple sidewalk network gaps.	No	Park Avenue from Rockland House Road to Nantasket Avenue.	42.268432, - 70.853421	42.265940, - 70.852720	CS Needs Assessment	S2,S6,S13,S14,B8,P1,P2,P3,P5,P9,T1,T2	X	X	X	X	X	X		No	\$85,000	\$85,000	\$ -	2	04/01/19
10	Rockland Circle/Rockland House Road Sidewalk Network Connections	Installation of new curbing and sidewalk segments on the north side of the street, accessible curb ramps, shared bike lanes, and crossing treatments (crosswalk alignment, re-striping, and signage) to reconstruct intersections reducing corner radii, minimizing pedestrian crossing distances and better defining vehicular movements, and extending the sidewalk and bicycle networks northerly and southerly. The project connects the Nantasket Downtown Area, Nantasket Beach, George Washington Boulevard, apartment/condo/hotel complexes, and surrounding neighborhoods closing multiple sidewalk network gaps.	No	Rockland Circle from George Washington Boulevard to Park Avenue.	42.266486, - 70.855548	42.265859, - 70.849676	CS Needs Assessment	S2,S6,S13,S14,B8,P1,P2,P3,P5,P9,T1,T2	X	X	X	X	X	X		No	\$325,000	\$325,000	\$ -	2	04/01/19
11	Bay Avenue East Sidewalk Network Connections	Installation of new curbing and sidewalks on the north side of the street, accessible curb ramps, shared bike lanes, and crossing treatments (crosswalk alignment, re-striping, and signage) to extend the sidewalk and bicycle network easterly and westerly connecting the marina, apartment/condo complexes, surrounding neighborhoods, and Nantasket Avenue (Bus Transit Route).	No	Bay Avenue East from Milford Street to Nantasket Avenue.	42.291175, - 70.882898	42.291184, - 70.878979	Master Plan	S14,B8,P2,P3,P5,P9,T1,T2	X	X	X	X	X			No	\$120,000	\$120,000	\$ -	2	04/01/19

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)
12	Nantasket Avenue Kenberma Playground, Nantasket Road and Westminster Avenue Crossing Improvements	Installation of new curbing and sidewalk segments, accessible curb ramps, bike lanes, and crossing treatments (crosswalk alignment, re-striping, and signage) to reconstruct the intersection reducing corner radii, minimizing pedestrian crossing distances and better defining vehicular movements. This improvement to the sidewalk network connects the Kenberma Business District, Kenberma Park, surrounding neighborhoods, Nantasket Downtown Area, and Nantasket Beach.	No	Nantasket Avenue from Malta Street southwesterly to Westminster Street.	42.280146, - 70.871162	42.279140, - 70.868692	CS Needs Assessment	S1,S2,S6,S13,S14,B2,P1,P2,P3,P5,P9	X	X	X	X		X		No	\$170,000	\$170,000	\$ -	4	04/01/19
13	A Street Sidewalk Network Extension	Installation of new curbing and sidewalks on the south side of the street, accessible curb ramps, shared bike lanes, and crossing treatments (crosswalk alignment, re-striping, and signage) to extend the sidewalk and bicycle network easterly and westerly connecting the marina, apartment/condo complexes, surrounding neighborhoods, Nantasket Avenue (Bus Transit Route), and Nantasket Beach.	No	A Street from Cadish Avenue to Beach Avenue.	42.291318, - 70.883286	42.292076, - 70.879488	Capital Improvement Program (CIP)	S14,B8,P2,P3,P5,P9,T1,T2	X	X	X	X	X			No	\$270,000	\$270,000	\$ -	4	04/01/20
14	Pemberton Area Sidewalk Network Extension	Installation of new curbing and sidewalk son the south side of the street, accessible curb ramps, and crossing treatments (crosswalk alignment, re-striping, and signage) to extend the sidewalk network easterly and westerly to make a key connection between multiple commuter parking lots, the High School, Ferry/Bus Transit Station/Route, and surrounding neighborhoods closing sidewalk network gaps.	No	Main Street from Pemberton Ferry Landing, westerly to commuter parking.			CS Needs Assessment	S6,S14,B8,P2,P3,P5,P8,P9,T1	X	X	X		X	X		No	\$95,000	\$95,000	\$ -	1	04/01/20
15	Kenberma Street Sidewalk Network Extension	Installation of new curbing and sidewalks on one side of the street, accessible curb ramps, shared bike lanes, and crossing treatments (crosswalk alignment, re-striping, and signage) to extend the sidewalk and bicycle network easterly and westerly connecting surrounding neighborhoods, the Kenberma Business District, Nantasket Avenue (Bus Transit Route), apartment/condo complexes, and Nantasket Beach.	No	Kenberma Street from Newport Road to Beach Avenue.	42.281746, - 70.878125	42.284682, - 70.870739	Capital Improvement Program (CIP)	S14,B8,P2,P3,P5,P9,T1,T2	X	X	X	X	X			No	\$335,000	\$335,000	\$ -	4	04/01/20

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)
16	Packard Avenue/Warren Street Sidewalk Network Extension	Installation of new curbing and sidewalks on the north side of the street, accessible curb ramps, shared bike lanes, defining and reduction of parking lot entrances/exits, and crossing treatments (crosswalk alignment, re-striping, and signage) to extend the sidewalk and bicycle network easterly and westerly connecting surrounding neighborhoods, Packard Park???, Nantasket Avenue (Bus Transit Route), and Nantasket Beach.	No	Packard Avenue from Newport Road to Nantasket Avenue and Warren Street from Nantasket Avenue to Beach Avenue.	42.283692, - 70.880898	42.286909, - 70.872317	Capital Improvement Program (CIP)	S14,B8,P2,P3,P5,P9,T1,T2	X	X	X	X	X			No	\$345,000	\$345,000	\$ -	4	04/01/21
17	F Street Sidewalk Network Extension	Installation of new curbing and sidewalks on the north side of the street, accessible curb ramps, shared bike lanes, and crossing treatments (crosswalk alignment, re-striping, and signage) to extend the sidewalk and bicycle network easterly and westerly connecting surrounding neighborhoods, Nantasket Avenue (Bus Transit Route), and Nantasket Beach.	No	F Street from Cadish Avenue to Beach Avenue.	42.293985, - 70.885742	42.295601, - 70.878151	Capital Improvement Program (CIP)	S14,B8,P2,P3,P5,P9,T1,T2	X	X	X	X	X			No	\$280,000	\$280,000	\$ -	4	04/01/21
18	Revere Street Sidewalk Network Extension	Installation of new curbing and sidewalks on the north side of the street, accessible curb ramps, shared bike lanes, and crossing treatments (crosswalk alignment, re-striping, and signage) to extend the sidewalk and bicycle network easterly and westerly connecting surrounding neighborhoods, the Kenberma Business District, Nantasket Avenue (Bus Transit Route), apartment/condo complexes, and Nantasket Beach.	No	Revere Street from Newport Road to Beach Avenue.	42.280188, - 70.875159	42.283088, - 70.869472	Capital Improvement Program (CIP)	S14,B8,P2,P3,P5,P9,T1	X	X	X	X	X			No	\$270,000	\$270,000	\$ -	4	04/01/21
19	Helen Street Sidewalk Network Connections (Ferry, High School, and Commuter Parking)	Installation of new curbing and sidewalks on the east side of the street, accessible curb ramps, and crossing treatments (crosswalk alignment, re-striping, and signage) to extend the sidewalk network northerly and southerly making a key connection between multiple commuter parking lots, the High School, Ferry/Bus Transit Station/Route, and surrounding neighborhoods closing network gaps.	No	Helen Street from Main Street to Channel Street.	42.305302, - 70.919345	42.304465, - 70.918622	CS Needs Assessment	S14,P2,P3,P5,P9,T1	X	X	X		X			No	\$60,000	\$60,000	\$ -	2	04/01/21

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	Samoset Avenue Sidewalks Phase 1	Installation of new curbing and sidewalks on the east side of the street, accessible curb ramps, and crossing treatments (pedestrian bump-outs crosswalk alignment, re-striping, and signage) to extend the sidewalk network northerly and southerly connecting points north, the Kenberma Business District, surrounding neighborhoods and parks, Nantasket Downtown Area, and Nantasket Beach offering a by-pass to busy Nantasket Avenue for vulnerable road users.	No	Samoset Avenue from A Street to Kenberma Street.	42.292333, - 70.878213	42.283933, - 70.872715	Capital Improvement Program (CIP)	S1,S2,S10,S12,S14,B2,P2,P3,P5,P9	X	X	X			X		No	\$400,000	\$400,000	\$ -	4	04/01/22
21	Samoset Avenue Sidewalks Phase 2	Installation of new curbing and sidewalks on the west side of the street, accessible curb ramps, and crossing treatments (pedestrian bump-outs crosswalk alignment, re-striping, and signage) to extend the sidewalk network northerly and southerly connecting points north, the Kenberma Business District, surrounding neighborhoods and parks, Nantasket Downtown Area, and Nantasket Beach offering a by-pass to busy Nantasket Avenue for vulnerable road users.	No	Samoset Avenue from Kenberma Street to Nantasket Avenue.	42.283933, - 70.872715	42.279429, - 70.867933	Capital Improvement Program (CIP)	S1,S2,S10,S12,S14,B2,P2,P3,P5,P9	X	X	X			X		No	\$270,000	\$270,000	\$ -	3	04/01/22
22	Samoset Avenue Bike Lanes, and Road-diet (includes pavement overlay) Phase 1	Installation of bike lanes to extend the bicycle network northerly and southerly connecting points north, the Kenberma Business District, surrounding neighborhoods and parks, Nantasket Downtown Area, and Nantasket Beach offering a by-pass to busy Nantasket Avenue for vulnerable road users.	No	Samoset Avenue from A Street to Kenberma Street.	42.292333, - 70.878213	42.283933, - 70.872715	Capital Improvement Program (CIP)	S1,S2,S10,B2	X			X		X		No	\$350,000	\$350,000	\$ -	2	04/01/22
23	Samoset Avenue Bike Lanes, and Road-diet (includes pavement overlay) Phase 2	Installation of bike lanes to extend the bicycle network northerly and southerly connecting points north, the Kenberma Business District, surrounding neighborhoods and parks, Nantasket Downtown Area, and Nantasket Beach offering a by-pass to busy Nantasket Avenue for vulnerable road users.	No	Samoset Avenue from Kenberma Street to Nantasket Avenue.	42.283933, - 70.872715	42.279429, - 70.867933	Capital Improvement Program (CIP)	S1,S2,S10,B2	X			X		X		No	\$225,000	\$225,000	\$ -	2	04/01/22

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	Manomet Avenue Sidewalks Phase 1	Installation of new curbing and sidewalks on the east side of the street, accessible curb ramps, and crossing treatments (pedestrian bump-outs crosswalk alignment, re-striping, and signage) to extend the sidewalk network northerly and southerly connecting points north, the Kenberma Business District, surrounding neighborhoods and parks, Nantasket Downtown Area, and Nantasket Beach offering a by-pass to busy Nantasket Avenue for vulnerable road users.	No	Manomet Avenue from A Street to Kenberma Street.	42.292581, - 70.877121	42.284377, - 70.871606	Capital Improvement Program (CIP)	S1,S2,S10,S12,S14,B2,P2,P3,P5,P9	X	X	X			X		No	\$400,000	\$400,000	\$ -	4	04/01/22
25	Manomet Avenue Sidewalks Phase 2	Installation of new curbing and sidewalks on the east side of the street, accessible curb ramps, and crossing treatments (pedestrian bump-outs crosswalk alignment, re-striping, and signage) to extend the sidewalk network northerly and southerly connecting points north, the Kenberma Business District, surrounding neighborhoods and parks, Nantasket Downtown Area, and Nantasket Beach offering a by-pass to busy Nantasket Avenue for vulnerable road users.	No	Manomet Avenue from Kenberma Street to Phipps Street.	42.284377, - 70.871606	42.280263, - 70.867087	Capital Improvement Program (CIP)	S1,S2,S10,S12,S14,B2,P2,P3,P5,P9	X	X	X			X		No	\$250,000	\$250,000	\$ -	3	04/01/22
26	Manomet Avenue Bike Lanes and Road-diet (includes pavement overlay) Phase 1	Installation of bike lanes to extend the bicycle network northerly and southerly connecting points north, the Kenberma Business District, surrounding neighborhoods and parks, Nantasket Downtown Area, and Nantasket Beach offering a by-pass to busy Nantasket Avenue for vulnerable road users.	No	Manomet Avenue from A Street to Kenberma Street.	42.292581, - 70.877121	42.284377, - 70.871606	Capital Improvement Program (CIP)	S1,S2,S10,B2	X			X		X		No	\$305,000	\$305,000	\$ -	2	04/01/22
27	Manomet Avenue Bike Lanes and Road-diet (includes pavement overlay) Phase 2	Installation of bike lanes to extend the bicycle network northerly and southerly connecting points north, the Kenberma Business District, surrounding neighborhoods and parks, Nantasket Downtown Area, and Nantasket Beach offering a by-pass to busy Nantasket Avenue for vulnerable road users.	No	Manomet Avenue from Kenberma Street to Phipps Street.	42.284377, - 70.871606	42.280263, - 70.867087	Capital Improvement Program (CIP)	S1,S2,S10,B2	X			X		X		No	\$200,000	\$200,000	\$ -	2	04/01/22

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	Manomet Avenue Sidewalks Phase 1	Installation of new curbing and sidewalks on the east side of the street, accessible curb ramps, and crossing treatments (pedestrian bump-outs crosswalk alignment, re-striping, and signage) to extend the sidewalk network northerly and southerly connecting points north, the Kenberma Business District, surrounding neighborhoods and parks, Nantasket Downtown Area, and Nantasket Beach offering a by-pass to busy Nantasket Avenue for vulnerable road users.	No	Manomet Avenue from A Street to Kenberma Street.	42.292581, - 70.877121	42.284377, - 70.871606	Capital Improvement Program (CIP)	S1,S2,S10,S12,S14,B2,P2,P3,P5,P9	X	X	X			X		No	\$400,000	\$400,000	\$ -	4	04/01/22
25	Manomet Avenue Sidewalks Phase 2	Installation of new curbing and sidewalks on the east side of the street, accessible curb ramps, and crossing treatments (pedestrian bump-outs crosswalk alignment, re-striping, and signage) to extend the sidewalk network northerly and southerly connecting points north, the Kenberma Business District, surrounding neighborhoods and parks, Nantasket Downtown Area, and Nantasket Beach offering a by-pass to busy Nantasket Avenue for vulnerable road users.	No	Manomet Avenue from Kenberma Street to Phipps Street.	42.284377, - 70.871606	42.280263, - 70.867087	Capital Improvement Program (CIP)	S1,S2,S10,S12,S14,B2,P2,P3,P5,P9	X	X	X			X		No	\$250,000	\$250,000	\$ -	3	04/01/22
26	Manomet Avenue Bike Lanes and Road-diet (includes pavement overlay) Phase 1	Installation of bike lanes to extend the bicycle network northerly and southerly connecting points north, the Kenberma Business District, surrounding neighborhoods and parks, Nantasket Downtown Area, and Nantasket Beach offering a by-pass to busy Nantasket Avenue for vulnerable road users.	No	Manomet Avenue from A Street to Kenberma Street.	42.292581, - 70.877121	42.284377, - 70.871606	Capital Improvement Program (CIP)	S1,S2,S10,B2	X			X		X		No	\$305,000	\$305,000	\$ -	2	04/01/22
27	Manomet Avenue Bike Lanes and Road-diet (includes pavement overlay) Phase 2	Installation of bike lanes to extend the bicycle network northerly and southerly connecting points north, the Kenberma Business District, surrounding neighborhoods and parks, Nantasket Downtown Area, and Nantasket Beach offering a by-pass to busy Nantasket Avenue for vulnerable road users.	No	Manomet Avenue from Kenberma Street to Phipps Street.	42.284377, - 70.871606	42.280263, - 70.867087	Capital Improvement Program (CIP)	S1,S2,S10,B2	X			X		X		No	\$200,000	\$200,000	\$ -	2	04/01/22

Prioritization Matrix

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Rank	Project Name	Complete Streets Project Type (refer to the Eligible Projects Worksheet)	Prioritization Score																Complete Street Element Score	Scheduled Projects Score (1-5)	MAPC Actual Value	MAPC Local Access Score	Municipal Needs Score (1-5)	Total Prioritization Score	Safety	ADA Accessibility	Pedestrian Mobility	Bicycle Mobility	Transit Operations and Access	Vehicular Operations	Freight Operations																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
1	Nantasket Avenue Sidewalk Improvement (Phase I)	S2,S7,S12,B8,P2,P3,P5,P8,P9,P12,P13,T1	S2	S7	S12	B8	P2	P3	P5	P8	P9	P12	P13	T1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

Prioritization Matrix

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Rank	Project Name	Complete Streets Project Type (refer to the Eligible Projects Worksheet)	Prioritization Score																Complete Street Element Score	Scheduled Projects Score (1-5)	MAPC Actual Value	MAPC Local Access Score	Municipal Needs Score (1-5)	Total Prioritization Score	Safety	ADA Accessibility	Pedestrian Mobility	Bicycle Mobility	Transit Operations and Access	Vehicular Operations	Freight Operations																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
17	F Street Sidewalk Network Extension	S14,B8,P2,P3,P5,P9,T1,T2	S14	B8	P2	P3	P5	P9	T1	T2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: CJT

CHECKED BY: CR

CONCEPTUAL CONSTRUCTION ESTIMATE

Project: Nantasket Avenue (H Street to Q Street)

Length: 1,327.70

Width: 32.00

Area: 42,486.40

Assumptions:

Sidewalk Width (Ft): N/A

SW Side: East

Access Ramps: N/A

Crosswalks: N/A

Estimate Provided By Others

DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
129 Pavement Reconstruction	722.00	SY	\$34.00	\$ 24,548.00
460 Hot Mix Asphalt	800.00	TN	\$94.00	\$ 75,200.00
464.5 Hot Poured Rubberized Asphalt Sealer	1,335.00	FT	\$8.00	\$ 10,680.00
504.01 Granite Curb Type VA4 - Straight	1,500.00	FT	\$70.00	\$ 105,000.00
697.1 Silt Sack	20.00	EA	\$60.00	\$ 1,200.00
701 Cement Concrete Sidewalk	1,150.00	SY	\$75.00	\$ 86,250.00
701.1 Cement Concrete Sidewalk at Driveways	270.00	SY	\$80.00	\$ 21,600.00
701.2 Cement Concrete Wheelchair Ramp	200.00	SY	\$150.00	\$ 30,000.00
866 4 Inch Reflectorized Pavement Marking Line (Thermoplastic)	8,000.00	FT	\$0.60	\$ 4,800.00
	0.00			\$ -
	0.00			\$ -
	0.00			\$ -
	0.00			\$ -
	0.00			\$ -
	0.00			\$ -
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	0.00			\$ -
	0.00			\$ -
	0.00			\$ -
	0.00			\$ -
	0.00			\$ -
	0.00			\$ -
SUB TOTAL				\$ 359,278.00
Police Traffic Control (6%)				\$ 21,557.00
Contingency (5%)				\$ 17,964.00
TOTAL				\$ 398,799.00
SAY CONSTRUCTION COST				\$ 400,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Nantasket Avenue (Q Street to Y Street)				
Length:	1,612.00	Assumptions:		
Width:	32.00	Sidewalk Width (Ft):	5	
Area:	51,584.00	SW Side:	East	
		Access Ramps:	33	
		Crosswalks:	17	
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	51,584.00	SF	\$ 2.82	\$ 145,466.88
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	1,612.00	LF	\$ 5.00	\$ 8,060.00
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	4,742.50	SF	\$ 9.31	\$ 44,152.68
Concrete Driveways	1,567.50	SF	\$ 10.60	\$ 16,615.50
WCR	33.00	EA	\$ 2,134.00	\$ 70,422.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	977.00	LF	\$ 45.00	\$ 43,965.00
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	33.00	EA	\$ 350.00	\$ 11,550.00
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	3,224.00	LF	\$ 1.00	\$ 3,224.00
Marking White 12"	2,720.00	LF	\$ 3.00	\$ 8,160.00
Marking Bike Lane (40 SF every 200 FT)	18.00	EA	\$ 100.00	\$ 1,800.00
Marking Sharrow (32 SF every 200 FT)	0.00	EA	\$ 75.00	\$ -
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 353,416.06
Mobilization (2%)				\$ 7,068.32
Traffic Control Devices (2%)				\$ 7,068.32
Police Traffic Control (0%)				\$ -
Contingency (20%)				\$ 70,683.21
TOTAL				\$ 438,235.91
SAY CONSTRUCTION COST				\$ 440,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Fitzpatrick Way (South) Sidewalk Network Connections and Improvements				
Length:	2,621.00	Assumptions:		
Width:	30.00	Sidewalk Width (Ft):	5	
Area:	78,630.00	SW Side:	South	
		Access Ramps:	4	
		Crosswalks:	2	
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	3,810.00	SF	\$ 9.31	\$ 35,471.10
Concrete Driveways	990.00	SF	\$ 10.60	\$ 10,494.00
WCR	4.00	EA	\$ 2,134.00	\$ 8,536.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	780.00	LF	\$ 45.00	\$ 35,100.00
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	450.00	LF	\$ 3.00	\$ 1,350.00
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	0.00	EA	\$ 75.00	\$ -
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 90,951.10
Mobilization (2%)				\$ 4,547.56
Traffic Control Devices (2%)				\$ 1,819.02
Police Traffic Control (0%)				\$ 6,366.58
Contingency (20%)				\$ 18,190.22
TOTAL				\$ 121,874.47
SAY CONSTRUCTION COST				\$ 125,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Nantasket Ave/ Fitzpatrick Way (North) Sidewalk Network Connection Improvements and Rail ROW Connection Length: 1,111.00 Assumptions: Width: 34.00 Sidewalk Width (Ft): 5 Area: 37,774.00 SW Side: South Access Ramps: 8 Crosswalks: 2				
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	5,423.00	SF	\$ 9.31	\$ 50,488.13
Concrete Driveways	132.00	SF	\$ 10.60	\$ 1,399.20
WCR	8.00	EA	\$ 2,134.00	\$ 17,072.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	1,087.00	LF	\$ 45.00	\$ 48,915.00
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	340.00	LF	\$ 3.00	\$ 1,020.00
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	12.00	EA	\$ 75.00	\$ 900.00
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 119,794.33
Mobilization (2%)				\$ 5,989.72
Traffic Control Devices (2%)				\$ 2,395.89
Police Traffic Control (0%)				\$ 8,385.60
Contingency (20%)				\$ 23,958.87
TOTAL				\$ 160,524.40
SAY CONSTRUCTION COST				\$ 165,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: A Street / Milford Street Intersection Sidewalk and Crossing Improvements				
Length:	172.00	Assumptions:		
Width:	23.00	Sidewalk Width (Ft):	5	
Area:	3,956.00	SW Side:	Bump-outs	
		Access Ramps:	3	
		Crosswalks:	4	
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	662.00	SF	\$ 9.31	\$ 6,163.22
Concrete Driveways	198.00	SF	\$ 10.60	\$ 2,098.80
WCR	3.00	EA	\$ 2,134.00	\$ 6,402.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	136.00	LF	\$ 45.00	\$ 6,120.00
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	8.00	EA	\$ 350.00	\$ 2,800.00
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	230.00	LF	\$ 3.00	\$ 690.00
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	0.00	EA	\$ 75.00	\$ -
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 24,274.02
Mobilization (2%)				\$ 1,213.70
Traffic Control Devices (2%)				\$ 485.48
Police Traffic Control (0%)				\$ 1,699.18
Contingency (20%)				\$ 4,854.80
TOTAL				\$ 32,527.19
SAY CONSTRUCTION COST				\$ 35,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Hull Bike Network improvements Length: 37,394.75 Width: 34.00 Area: N/A Assumptions: Sidewalk Width (Ft): N/A SW Side: N/A Access Ramps: N/A Crosswalks: N/A				
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	0.00	SF	\$ 9.31	\$ -
Concrete Driveways	0.00	SF	\$ 10.60	\$ -
WCR	0.00	EA	\$ 2,134.00	\$ -
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	0.00	LF	\$ 45.00	\$ -
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	75.00	EA	\$ 350.00	\$ 26,250.00
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	0.00	LF	\$ 3.00	\$ -
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	374.00	EA	\$ 75.00	\$ 28,050.00
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 54,300.00
Mobilization (2%)				\$ 2,715.00
Traffic Control Devices (2%)				\$ 1,086.00
Police Traffic Control (0%)				\$ 3,801.00
Contingency (20%)				\$ 10,860.00
TOTAL				\$ 72,762.00
SAY CONSTRUCTION COST				\$ 75,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Nantasket Avenue Bus Shelters and ADA Improvements (School and MBTA)				
Length:	N/A	Assumptions:		
Width:	N/A	Sidewalk Width (Ft):	5	
Area:	N/A	SW Side:	N/A	
		Access Ramps:	9	
		Crosswalks:	0	
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	0.00	SF	\$ 9.31	\$ -
Concrete Driveways	0.00	SF	\$ 10.60	\$ -
WCR	9.00	EA	\$ 2,134.00	\$ 19,206.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	0.00	LF	\$ 45.00	\$ -
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	0.00	LF	\$ 3.00	\$ -
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	0.00	EA	\$ 75.00	\$ -
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	9.00	EA	\$ 30,000.00	\$ 270,000.00
SUB TOTAL				\$ 289,206.00
Mobilization (2%)				\$ 14,460.30
Traffic Control Devices (2%)				\$ 5,784.12
Police Traffic Control (0%)				\$ 20,244.42
Contingency (20%)				\$ 57,841.20
TOTAL				\$ 387,536.04
SAY CONSTRUCTION COST				\$ 390,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Sturgis Field Sidewalk and Crossing Improvements				
Length:	2,750.00	Assumptions:		
Width:	30.00	Sidewalk Width (Ft):	5	
Area:	82,500.00	SW Side:	Varies	
		Access Ramps:	13	
		Crosswalks:	12	
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	12,906.00	SF	\$ 9.31	\$ 120,154.86
Concrete Driveways	594.00	SF	\$ 10.60	\$ 6,296.40
WCR	13.00	EA	\$ 2,134.00	\$ 27,742.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	2,592.00	LF	\$ 45.00	\$ 116,640.00
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	16.00	EA	\$ 350.00	\$ 5,600.00
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	1,800.00	LF	\$ 3.00	\$ 5,400.00
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	28.00	EA	\$ 75.00	\$ 2,100.00
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	6.00	EA	\$ 1,400.00	\$ 8,400.00
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 292,333.26
Mobilization (2%)				\$ 14,616.66
Traffic Control Devices (2%)				\$ 5,846.67
Police Traffic Control (0%)				\$ 20,463.33
Contingency (20%)				\$ 58,466.65
TOTAL				\$ 391,726.57
SAY CONSTRUCTION COST				\$ 395,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Park Avenue Sidewalk Network Connections				
Length:	601.00	Assumptions:		
Width:	33.00	Sidewalk Width (Ft):	5	
Area:	19,833.00	SW Side:	West	
		Access Ramps:	5	
		Crosswalks:	1	
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	2,557.00	SF	\$ 9.31	\$ 23,805.67
Concrete Driveways	198.00	SF	\$ 10.60	\$ 2,098.80
WCR	5.00	EA	\$ 2,134.00	\$ 10,670.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	515.00	LF	\$ 45.00	\$ 23,175.00
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	165.00	LF	\$ 3.00	\$ 495.00
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	8.00	EA	\$ 75.00	\$ 600.00
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 60,844.47
Mobilization (2%)				\$ 3,042.22
Traffic Control Devices (2%)				\$ 1,216.89
Police Traffic Control (0%)				\$ 4,259.11
Contingency (20%)				\$ 12,168.89
TOTAL				\$ 81,531.59
SAY CONSTRUCTION COST				\$ 85,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Rockland Circle/Rockland House Road Sidewalk Network Connections				
Length:	2,539.00	Assumptions:		
Width:	30.50	Sidewalk Width (Ft):	5	
Area:	77,439.50	SW Side:	North	
		Access Ramps:	9	
		Crosswalks:	3	
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	11,330.00	SF	\$ 9.31	\$ 105,482.30
Concrete Driveways	990.00	SF	\$ 10.60	\$ 10,494.00
WCR	9.00	EA	\$ 2,134.00	\$ 19,206.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	2,284.00	LF	\$ 45.00	\$ 102,780.00
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	457.50	LF	\$ 3.00	\$ 1,372.50
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	26.00	EA	\$ 75.00	\$ 1,950.00
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 241,284.80
Mobilization (2%)				\$ 12,064.24
Traffic Control Devices (2%)				\$ 4,825.70
Police Traffic Control (0%)				\$ 16,889.94
Contingency (20%)				\$ 48,256.96
TOTAL				\$ 323,321.63
SAY CONSTRUCTION COST				\$ 325,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Bay Avenue East Sidewalk Network Connections				
Length:	947.00	Assumptions:		
Width:	24.50	Sidewalk Width (Ft):	5	
Area:	23,201.50	SW Side:	North	
		Access Ramps:	4	
		Crosswalks:	2	
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	3,679.00	SF	\$ 9.31	\$ 34,251.49
Concrete Driveways	1,056.00	SF	\$ 10.60	\$ 11,193.60
WCR	4.00	EA	\$ 2,134.00	\$ 8,536.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	755.00	LF	\$ 45.00	\$ 33,975.00
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	245.00	LF	\$ 3.00	\$ 735.00
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	10.00	EA	\$ 75.00	\$ 750.00
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 89,441.09
Mobilization (2%)				\$ 4,472.05
Traffic Control Devices (2%)				\$ 1,788.82
Police Traffic Control (0%)				\$ 6,260.88
Contingency (20%)				\$ 17,888.22
TOTAL				\$ 119,851.06
SAY CONSTRUCTION COST				\$ 120,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Nantasket Avenue Kenberma Playground, Nantasket Road and Westminster Avenue Crossing Improvements				
Length:	1,050.00	Assumptions:		
Width:	33.00	Sidewalk Width (Ft):	5.5	
Area:	34,650.00	SW Side:	Int. Realign	
		Access Ramps:	9	
		Crosswalks:	5	
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	5,415.00	SF	\$ 9.31	\$ 50,413.65
Concrete Driveways	360.00	SF	\$ 10.60	\$ 3,816.00
WCR	9.00	EA	\$ 2,134.00	\$ 19,206.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	990.00	LF	\$ 45.00	\$ 44,550.00
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	8.00	EA	\$ 350.00	\$ 2,800.00
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	2,100.00	LF	\$ 1.00	\$ 2,100.00
Marking White 12"	825.00	LF	\$ 3.00	\$ 2,475.00
Marking Bike Lane (40 SF every 200 FT)	12.00	EA	\$ 100.00	\$ 1,200.00
Marking Sharrow (32 SF every 200 FT)	0.00	EA	\$ 75.00	\$ -
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 126,560.65
Mobilization (2%)				\$ 6,328.03
Traffic Control Devices (2%)				\$ 2,531.21
Police Traffic Control (0%)				\$ 8,859.25
Contingency (20%)				\$ 25,312.13
TOTAL				\$ 169,591.27
SAY CONSTRUCTION COST				\$ 170,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: A Street Sidewalk Network Extension <div> <div> Length: 1,904.20 Width: 33.00 Area: 62,838.60 </div> <div> Assumptions: Sidewalk Width (Ft): 5 SW Side: South Access Ramps: 12 Crosswalks: 9 </div> </div>				
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	8,465.00	SF	\$ 9.31	\$ 78,809.15
Concrete Driveways	1,056.00	SF	\$ 10.60	\$ 11,193.60
WCR	12.00	EA	\$ 2,134.00	\$ 25,608.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	1,712.20	LF	\$ 45.00	\$ 77,049.00
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	1,485.00	LF	\$ 3.00	\$ 4,455.00
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	20.00	EA	\$ 75.00	\$ 1,500.00
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 198,614.75
Mobilization (2%)				\$ 9,930.74
Traffic Control Devices (2%)				\$ 3,972.30
Police Traffic Control (0%)				\$ 13,903.03
Contingency (20%)				\$ 39,722.95
TOTAL				\$ 266,143.77
SAY CONSTRUCTION COST				\$ 270,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Pemberton Area Sidewalk Network Extension				
Length:	634.00	Assumptions:		
Width:	30.00	Sidewalk Width (Ft):	5	
Area:	19,020.00	SW Side:	South	
		Access Ramps:	7	
		Crosswalks:	5	
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	2,097.50	SF	\$ 9.31	\$ 19,527.73
Concrete Driveways	1,072.50	SF	\$ 10.60	\$ 11,368.50
WCR	7.00	EA	\$ 2,134.00	\$ 14,938.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	439.00	LF	\$ 45.00	\$ 19,755.00
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	750.00	LF	\$ 3.00	\$ 2,250.00
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	0.00	EA	\$ 75.00	\$ -
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 67,839.23
Mobilization (2%)				\$ 3,391.96
Traffic Control Devices (2%)				\$ 1,356.78
Police Traffic Control (0%)				\$ 4,748.75
Contingency (20%)				\$ 13,567.85
TOTAL				\$ 90,904.56
SAY CONSTRUCTION COST				\$ 95,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Kenberma Street Sidewalk Network Extension Length: 2,295.90 Width: 30.00 Area: 68,877.00 Assumptions: Sidewalk Width (Ft): 5 SW Side: NorthW, SouthE Access Ramps: 18 Crosswalks: 16				
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	10,027.50	SF	\$ 9.31	\$ 93,356.03
Concrete Driveways	1,452.00	SF	\$ 10.60	\$ 15,391.20
WCR	18.00	EA	\$ 2,134.00	\$ 38,412.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	2,031.90	LF	\$ 45.00	\$ 91,435.50
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	2,400.00	LF	\$ 3.00	\$ 7,200.00
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	24.00	EA	\$ 75.00	\$ 1,800.00
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 247,594.73
Mobilization (2%)				\$ 12,379.74
Traffic Control Devices (2%)				\$ 4,951.89
Police Traffic Control (0%)				\$ 17,331.63
Contingency (20%)				\$ 49,518.95
TOTAL				\$ 331,776.93
SAY CONSTRUCTION COST				\$ 335,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Packard Avenue/Warren Street Sidewalk Network Extension				
Length:	2,644.72	Assumptions:		
Width:	28.00	Sidewalk Width (Ft):	5	
Area:	74,052.16	SW Side:	North	
		Access Ramps:	14	
		Crosswalks:	12	
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	10,750.60	SF	\$ 9.31	\$ 100,088.09
Concrete Driveways	1,848.00	SF	\$ 10.60	\$ 19,588.80
WCR	14.00	EA	\$ 2,134.00	\$ 29,876.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	2,183.72	LF	\$ 45.00	\$ 98,267.40
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	1,680.00	LF	\$ 3.00	\$ 5,040.00
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	28.00	EA	\$ 75.00	\$ 2,100.00
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 254,960.29
Mobilization (2%)				\$ 12,748.01
Traffic Control Devices (2%)				\$ 5,099.21
Police Traffic Control (0%)				\$ 17,847.22
Contingency (20%)				\$ 50,992.06
TOTAL				\$ 341,646.78
SAY CONSTRUCTION COST				\$ 345,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: F Street Sidewalk Network Extension Length: 2,167.16 Width: 26.00 Area: 56,346.16 Assumptions: Sidewalk Width (Ft): 5 SW Side: North Access Ramps: 9 Crosswalks: 6				
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	8,855.80	SF	\$ 9.31	\$ 82,447.50
Concrete Driveways	1,980.00	SF	\$ 10.60	\$ 20,988.00
WCR	9.00	EA	\$ 2,134.00	\$ 19,206.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	1,807.16	LF	\$ 45.00	\$ 81,322.20
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	780.00	LF	\$ 3.00	\$ 2,340.00
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	22.00	EA	\$ 75.00	\$ 1,650.00
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 207,953.70
Mobilization (2%)				\$ 10,397.68
Traffic Control Devices (2%)				\$ 4,159.07
Police Traffic Control (0%)				\$ 14,556.76
Contingency (20%)				\$ 41,590.74
TOTAL				\$ 278,657.96
SAY CONSTRUCTION COST				\$ 280,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Revere Street Sidewalk Network Extension				
Length:	1,899.34	Assumptions:		
Width:	24.00	Sidewalk Width (Ft):	5	
Area:	45,584.16	SW Side:	North	
		Access Ramps:	18	
		Crosswalks:	12	
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	7,954.70	SF	\$ 9.31	\$ 74,058.26
Concrete Driveways	792.00	SF	\$ 10.60	\$ 8,395.20
WCR	18.00	EA	\$ 2,134.00	\$ 38,412.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	1,605.34	LF	\$ 45.00	\$ 72,240.30
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	1,440.00	LF	\$ 3.00	\$ 4,320.00
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	20.00	EA	\$ 75.00	\$ 1,500.00
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 198,925.76
Mobilization (2%)				\$ 9,946.29
Traffic Control Devices (2%)				\$ 3,978.52
Police Traffic Control (0%)				\$ 13,924.80
Contingency (20%)				\$ 39,785.15
TOTAL				\$ 266,560.51
SAY CONSTRUCTION COST				\$ 270,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Helen Street ADA Connections (High School and Commuter Parking)				
Length:	364.00	Assumptions:		
Width:	30.00	Sidewalk Width (Ft):	5	
Area:	10,920.00	SW Side:	East	
		Access Ramps:	5	
		Crosswalks:	3	
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	1,622.00	SF	\$ 9.31	\$ 15,100.82
Concrete Driveways	198.00	SF	\$ 10.60	\$ 2,098.80
WCR	5.00	EA	\$ 2,134.00	\$ 10,670.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	328.00	LF	\$ 45.00	\$ 14,760.00
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	450.00	LF	\$ 3.00	\$ 1,350.00
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	0.00	EA	\$ 75.00	\$ -
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 43,979.62
Mobilization (2%)				\$ 2,198.98
Traffic Control Devices (2%)				\$ 879.59
Police Traffic Control (0%)				\$ 3,078.57
Contingency (20%)				\$ 8,795.92
TOTAL				\$ 58,932.69
SAY CONSTRUCTION COST				\$ 60,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Samoset Avenue Sidewalks 1 Length: 3,428.00 Width: 40.00 Area: 137,120.00 Assumptions: Sidewalk Width (Ft): 5 SW Side: Varies Access Ramps: 10 Crosswalks: 6				
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	13,910.00	SF	\$ 9.31	\$ 129,502.10
Concrete Driveways	1,980.00	SF	\$ 10.60	\$ 20,988.00
WCR	10.00	EA	\$ 2,134.00	\$ 21,340.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	2,818.00	LF	\$ 45.00	\$ 126,810.00
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	1,200.00	LF	\$ 3.00	\$ 3,600.00
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	0.00	EA	\$ 75.00	\$ -
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 302,240.10
Mobilization (2%)				\$ 15,112.01
Traffic Control Devices (2%)				\$ 6,044.80
Police Traffic Control (0%)				\$ 21,156.81
Contingency (20%)				\$ 60,448.02
TOTAL				\$ 405,001.73
SAY CONSTRUCTION COST				\$ 410,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Samoset Avenue Sidewalks 2 Length: 2,158.00 Width: 40.00 Area: 86,320.00 Assumptions: Sidewalk Width (Ft): 5 SW Side: Varies Access Ramps: 8 Crosswalks: 4				
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	8,970.00	SF	\$ 9.31	\$ 83,510.70
Concrete Driveways	1,320.00	SF	\$ 10.60	\$ 13,992.00
WCR	8.00	EA	\$ 2,134.00	\$ 17,072.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	1,818.00	LF	\$ 45.00	\$ 81,810.00
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	800.00	LF	\$ 3.00	\$ 2,400.00
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	0.00	EA	\$ 75.00	\$ -
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 198,784.70
Mobilization (2%)				\$ 9,939.24
Traffic Control Devices (2%)				\$ 3,975.69
Police Traffic Control (0%)				\$ 13,914.93
Contingency (20%)				\$ 39,756.94
TOTAL				\$ 266,371.50
SAY CONSTRUCTION COST				\$ 270,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Samoset Avenue Bike Lanes 1 Length: 3,428.00 Width: 35.00 Area: 119,980.00 Assumptions: Sidewalk Width (Ft): N/A SW Side: N/A Access Ramps: N/A Crosswalks: N/A				
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	119,980.00	SF	\$ 1.93	\$ 231,561.40
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	3,428.00	LF	\$ 5.00	\$ 17,140.00
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	0.00	SF	\$ 9.31	\$ -
Concrete Driveways	0.00	SF	\$ 10.60	\$ -
WCR	0.00	EA	\$ 2,134.00	\$ -
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	0.00	LF	\$ 45.00	\$ -
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	6,856.00	LF	\$ 1.00	\$ 6,856.00
Marking White 12"	0.00	LF	\$ 3.00	\$ -
Marking Bike Lane (40 SF every 200 FT)	36.00	EA	\$ 100.00	\$ 3,600.00
Marking Sharrow (32 SF every 200 FT)	0.00	EA	\$ 75.00	\$ -
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 259,157.40
Mobilization (2%)				\$ 12,957.87
Traffic Control Devices (2%)				\$ 5,183.15
Police Traffic Control (0%)				\$ 18,141.02
Contingency (20%)				\$ 51,831.48
TOTAL				\$ 347,270.92
SAY CONSTRUCTION COST				\$ 350,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Samoset Avenue Bike Lanes 2 Length: 2,158.00 Width: 36.00 Area: 77,688.00 Assumptions: Sidewalk Width (Ft): N/A SW Side: N/A Access Ramps: N/A Crosswalks: N/A				
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	77,688.00	SF	\$ 1.93	\$ 149,937.84
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	2,158.00	LF	\$ 5.00	\$ 10,790.00
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	0.00	SF	\$ 9.31	\$ -
Concrete Driveways	0.00	SF	\$ 10.60	\$ -
WCR	0.00	EA	\$ 2,134.00	\$ -
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	0.00	LF	\$ 45.00	\$ -
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	4,316.00	LF	\$ 1.00	\$ 4,316.00
Marking White 12"	0.00	LF	\$ 3.00	\$ -
Marking Bike Lane (40 SF every 200 FT)	22.00	EA	\$ 100.00	\$ 2,200.00
Marking Sharrow (32 SF every 200 FT)	0.00	EA	\$ 75.00	\$ -
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 167,243.84
Mobilization (2%)				\$ 8,362.19
Traffic Control Devices (2%)				\$ 3,344.88
Police Traffic Control (0%)				\$ 11,707.07
Contingency (20%)				\$ 33,448.77
TOTAL				\$ 224,106.75
SAY CONSTRUCTION COST				\$ 225,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Manomet Avenue Sidewalks 1 Length: 3,358.00 Width: 35.00 Area: 117,530.00 Assumptions: Sidewalk Width (Ft): 5 SW Side: Varies Access Ramps: 12 Crosswalks: 6				
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	14,185.00	SF	\$ 9.31	\$ 132,062.35
Concrete Driveways	1,980.00	SF	\$ 10.60	\$ 20,988.00
WCR	12.00	EA	\$ 2,134.00	\$ 25,608.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	2,873.00	LF	\$ 45.00	\$ 129,285.00
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	1,050.00	LF	\$ 3.00	\$ 3,150.00
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	0.00	EA	\$ 75.00	\$ -
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 311,093.35
Mobilization (2%)				\$ 15,554.67
Traffic Control Devices (2%)				\$ 6,221.87
Police Traffic Control (0%)				\$ 21,776.53
Contingency (20%)				\$ 62,218.67
TOTAL				\$ 416,865.09
SAY CONSTRUCTION COST				\$ 420,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Manomet Avenue Sidewalks 2 Length: 2,002.00 Width: 35.00 Area: 70,070.00 Assumptions: Sidewalk Width (Ft): 5 SW Side: Varies Access Ramps: 6 Crosswalks: 4				
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	8,440.00	SF	\$ 9.31	\$ 78,576.40
Concrete Driveways	1,320.00	SF	\$ 10.60	\$ 13,992.00
WCR	6.00	EA	\$ 2,134.00	\$ 12,804.00
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	1,712.00	LF	\$ 45.00	\$ 77,040.00
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	700.00	LF	\$ 3.00	\$ 2,100.00
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	0.00	EA	\$ 75.00	\$ -
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 184,512.40
Mobilization (2%)				\$ 9,225.62
Traffic Control Devices (2%)				\$ 3,690.25
Police Traffic Control (0%)				\$ 12,915.87
Contingency (20%)				\$ 36,902.48
TOTAL				\$ 247,246.62
SAY CONSTRUCTION COST				\$ 250,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Manomet Avenue Bike Lanes 1 Length: 3,428.00 Width: 30.00 Area: 102,840.00 Assumptions: Sidewalk Width (Ft): N/A SW Side: N/A Access Ramps: N/A Crosswalks: N/A				
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	102,840.00	SF	\$ 1.93	\$ 198,481.20
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	3,428.00	LF	\$ 5.00	\$ 17,140.00
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	0.00	SF	\$ 9.31	\$ -
Concrete Driveways	0.00	SF	\$ 10.60	\$ -
WCR	0.00	EA	\$ 2,134.00	\$ -
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	0.00	LF	\$ 45.00	\$ -
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	6,856.00	LF	\$ 1.00	\$ 6,856.00
Marking White 12"	0.00	LF	\$ 3.00	\$ -
Marking Bike Lane (40 SF every 200 FT)	36.00	EA	\$ 100.00	\$ 3,600.00
Marking Sharrow (32 SF every 200 FT)	0.00	EA	\$ 75.00	\$ -
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 226,077.20
Mobilization (2%)				\$ 11,303.86
Traffic Control Devices (2%)				\$ 4,521.54
Police Traffic Control (0%)				\$ 15,825.40
Contingency (20%)				\$ 45,215.44
TOTAL				\$ 302,943.45
SAY CONSTRUCTION COST				\$ 305,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: Manomet Avenue Bike Lanes 2 Length: 2,158.00 Width: 31.00 Area: 66,898.00 Assumptions: Sidewalk Width (Ft): N/A SW Side: N/A Access Ramps: N/A Crosswalks: N/A				
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	66,898.00	SF	\$ 1.93	\$ 129,113.14
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	2,158.00	LF	\$ 5.00	\$ 10,790.00
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	0.00	SF	\$ 9.31	\$ -
Concrete Driveways	0.00	SF	\$ 10.60	\$ -
WCR	0.00	EA	\$ 2,134.00	\$ -
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	0.00	LF	\$ 45.00	\$ -
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	4,316.00	LF	\$ 1.00	\$ 4,316.00
Marking White 12"	0.00	LF	\$ 3.00	\$ -
Marking Bike Lane (40 SF every 200 FT)	22.00	EA	\$ 100.00	\$ 2,200.00
Marking Sharrow (32 SF every 200 FT)	0.00	EA	\$ 75.00	\$ -
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ 146,419.14
Mobilization (2%)				\$ 7,320.96
Traffic Control Devices (2%)				\$ 2,928.38
Police Traffic Control (0%)				\$ 10,249.34
Contingency (20%)				\$ 29,283.83
TOTAL				\$ 196,201.65
SAY CONSTRUCTION COST				\$ 200,000.00

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: 0 <div> <div> Length: 0.00 Width: 0.00 Area: 0.00 </div> <div> Assumptions: Sidewalk Width (Ft): 5 SW Side: North Access Ramps: 9 Crosswalks: 6 </div> </div>				
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	0.00	SF	\$ 9.31	\$ -
Concrete Driveways	0.00	SF	\$ 10.60	\$ -
WCR	0.00	EA	\$ 2,134.00	\$ -
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	0.00	LF	\$ 45.00	\$ -
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	0.00	LF	\$ 3.00	\$ -
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	0.00	EA	\$ 75.00	\$ -
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ -
Mobilization (2%)				\$ -
Traffic Control Devices (2%)				\$ -
Police Traffic Control (0%)				\$ -
Contingency (20%)				\$ -
TOTAL				\$ -
SAY CONSTRUCTION COST				\$ -

Complete Streets Prioritization Plan- Hull, MA

(Quantities and unit costs provided are planning level estimates only.)

CALCULATED BY: FRANCIS J. MARINACCIO, PE

CHECKED BY: MATT SHUTE, PE

CONCEPTUAL CONSTRUCTION ESTIMATE				
Project: 0 <div> <div> Length: 0.00 Width: 0.00 Area: 0.00 </div> <div> Assumptions: Sidewalk Width (Ft): 5 SW Side: North Access Ramps: 9 Crosswalks: 6 </div> </div>				
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Pavement Reconstruction	0.00	SF	\$ 7.98	\$ -
Pavement Rehabilitation (C/O)	0.00	SF	\$ 2.82	\$ -
Pavement Resurfacing/Overlay	0.00	SF	\$ 1.93	\$ -
Pavement Reclamation	0.00	SF	\$ 7.27	\$ -
Structures	0.00	LF	\$ 5.00	\$ -
Loam & Seed	0.00	SF	\$ 1.15	\$ -
Bituminous Sidewalks	0.00	SF	\$ 4.21	\$ -
Bituminous Driveways	0.00	SF	\$ 6.41	\$ -
Concrete Sidewalks	0.00	SF	\$ 9.31	\$ -
Concrete Driveways	0.00	SF	\$ 10.60	\$ -
WCR	0.00	EA	\$ 2,134.00	\$ -
Brick Crosswalks	0.00	LF	\$ 523.00	\$ -
Imprinted Crosswalks	0.00	LF	\$ 170.00	\$ -
Concrete Curbing	0.00	LF	\$ 45.00	\$ -
R&R Curbing	0.00	LF	\$ 25.00	\$ -
R&S Curbing	0.00	LF	\$ 15.00	\$ -
Bituminous Berm	0.00	LF	\$ 6.00	\$ -
Street Lighting	0.00	EA	\$ 12,000.00	\$ -
Traffic Signals	0.00	EA	\$ 155,000.00	\$ -
Pedestrian Signals	0.00	EA	\$ 80,000.00	\$ -
High Visibility Pedestrian Crossing	0.00	EA	\$ 30,000.00	\$ -
Speed Feedback Signs (Radar)	0.00	EA	\$ 6,000.00	\$ -
Signs	0.00	EA	\$ 350.00	\$ -
Marking Yellow 4"	0.00	LF	\$ 1.00	\$ -
Marking White 4"	0.00	LF	\$ 1.00	\$ -
Marking White 12"	0.00	LF	\$ 3.00	\$ -
Marking Bike Lane (40 SF every 200 FT)	0.00	EA	\$ 100.00	\$ -
Marking Sharrow (32 SF every 200 FT)	0.00	EA	\$ 75.00	\$ -
Marking Individual	0.00	SF	\$ 3.00	\$ -
Bike Rack	0.00	EA	\$ 1,400.00	\$ -
Transit Shelter	0.00	EA	\$ 30,000.00	\$ -
SUB TOTAL				\$ -
Mobilization (2%)				\$ -
Traffic Control Devices (2%)				\$ -
Police Traffic Control (0%)				\$ -
Contingency (20%)				\$ -
TOTAL				\$ -
SAY CONSTRUCTION COST				\$ -