

Municipality	Northborough
MassDOT District	3
Name	Scott Charpentier
Title	Director of Public Works
Date	1/25/2023

Public Engagement
Public Engagement Description
Public engagement was initiated via a community survey that ran for two weeks in August 2022. The community survey reached a large audience, collecting more than 800 responses. Additional opportunities for public comment on the priorities of identified projects were provided during the September 15th Master Plan Implementation Committee meeting and the October 17th Selectboard Meeting.

Project Priority Ranking	Project Name	Project Description	Project Source	Location		Modes Served		Project Types																				Assessment						Funding Request				Construction Schedule										
				Project Location	Google Maps Link	Pedestrian	Bicycle	Tram	Vehicle/Freight	Intersection Redesign	Street Reconfigurations & Traffic Calming	Pedestrian Crossing Modifications				Pedestrian & Bike Network Connections				Transit Investments		Environment & Streetscape Investments		Network Gap	High Crash Location			Environmental Justice	Safe Routes to School	Safe Routes for Seniors	Accessibility	State-owned ROW	Estimated Project Cost Range	Funding Requested from MassDOT	Other Funding Source(s) & Amount (if applicable)	Anticipated Construction Duration												
										Roundabout/Mini Traffic Circle	Intersection Reconstruction	Tighten Curb Radius/Curb Extension	Intersection Signalization	Road Diet/Lane Elimination	Lane Narrowing	Other Traffic Calming Elements	ADA-compliant Curb Ramps	Pedestrian Hybrid Beacon/MAWK	Red-Activated Warning Device/RRFBs	Pedestrian Signal Upgrades	Crossing Islands	Raised Intersection or Raised Crosswalk	Crosswalk Improvements	Sidewalk	Shared-Use Path/Separated Bike Lane	On-road Bike Lane	Bicycle Boulevards	Aggregate Road Crossing Improvements	Transit Station/Stop Access Improvements	Transit Service Improvements	Street Lighting	Wayfinding for Pedestrians/Bicyclists	Bicycle Parking	Bicycle-Friendly Drain Gates	Stormwater Management	Street Tree Landscaping	Is a Network Gap being filled?	Pedestrian	Bicycle	Vehicle	Is an Environmental Justice Population Served? (See MassGIS Map)	Does this project improve safety or accessibility within one mile of a school?	Does this project improve safety or accessibility within 1/4 mile of a Senior destination?	Does this project improve conditions for people with disabilities?	Does this project include any state-owned right-of-way?			
1	Pierce Streets - Sidewalk Replacement & New Sidewalk	The project includes the removal and replacement of approximately 300 linear feet of existing sidewalk from Hudson Street to the railroad with a new 5'-0" wide ADA-compliant sidewalk. Project also includes approximately 200 linear feet of new 5'-0" wide ADA-compliant sidewalk with curb addressing a network gap between the existing sidewalks at the railroad and Blake Street. The project includes an ADA compliant reciprocal curb ramp and crosswalk to the existing sidewalk on Blake Street. The Project is intended to increase walkability, pedestrian safety and enhance sidewalk connectivity.	Other	Pierce Street, from Hudson Street to Blake Street	Pierce St - Google Maps	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	\$50,000 - \$100,000	\$55,000.00		3	
2	Hudson Street - New Sidewalk	The project includes construction of approximately 110 linear feet of new 5'-0" wide ADA-compliant sidewalk with curbing and pedestrian ramps with detectable warning plates. The project is intended to address a network gap on Hudson Street between Centre Drive and Trinity Church. The project includes ADA compliant reciprocal curb ramps and crosswalks to the existing sidewalks on Hudson Street at Centre Drive and the Trinity Church. The project will also increase walkability for resident/pedestrians and improve safety.	Other	Hudson Street, from Trinity Church to Centre Drive	Hudson Street - Google Maps	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	<\$50,000	\$25,000.00		2				
3	South Street - Sidewalk Replacement	The project includes the removal and replacement of approximately 450 linear feet of existing sidewalk with 5'-0" wide ADA-compliant sidewalk. Project includes new pedestrian ramps with detectable warning plates at existing crosswalks. The project is intended to increase walkability and safety for pedestrians/residents.	Other	South Street, between West Main Street to Gale Street	South St - Google Maps	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	No	\$50,000 - \$100,000	\$65,000.00		2
4	Gale Street - New Sidewalks	The project includes the construction of 725 linear feet of new 5'-0" wide ADA-compliant sidewalk with curbing that addresses a network gap by connecting the existing sidewalks on South Street and Monroe Street. The project includes ADA compliant reciprocal curb ramps and crosswalks to the existing sidewalks on Monroe Street and South Street. The project will also include new subsurface drainage infrastructure. The project is intended to improve walkability for the residents/pedestrians and improve a sidewalk network gap.	Other	Gale and Monroe Streets, between the existing sidewalk on Monroe Street and Route 135 South Street	Gale St - Google Maps	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No	Yes	No	\$250,000 - \$500,000	\$350,000.00		6	
5	Church Street Sidewalk Improvement	The project includes the removal and replacement of approximately 350 linear feet of existing sidewalk, with new 5'-0" wide ADA-compliant sidewalk and curb ramps. Additionally, the project includes installation of two accessible installed at a level landing Rectangular Rapid Flashing Beacons (RRFB) and ADA compliant reciprocal curb ramps with detectable warning plates at the existing crosswalks connecting Howard Street and Pleasant Street. The improvements are intended to improve walkability and safety for pedestrians walking across the main road.	Other	Church Street, between Howard Street and Pleasant Street	Church St - Google Maps	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No	Yes	No	\$50,000 - \$100,000	\$70,000.00		2	
6	Aqueduct Trail- Multi-Use Trail	The project includes construction of approximately 2.3 miles of new 10'-0" wide multi-use paved/stone dust trail spanning across the length of the existing Aqueduct Trail. Project includes connection to the Aqueduct Bridge. The project is intended to enhance an existing trail by improving walkability for residents/pedestrians.	Other	Along the Existing Aqueduct from the Assabet River through Town	Aqueduct Trail (at Bridge) - Google Maps	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No	Yes	No	>\$500,000	\$500,000.00	MassTrail Grant, CPA Funding (amount TBD)	24	
7	Allen Street - New Sidewalks	The project includes the construction of 660 linear feet of new 5'-0" wide ADA-compliant sidewalk with curbing that addresses a network gap between the existing sidewalks on East Main Street and the bridge on Allen Street. Additionally, it will include three ADA compliant pedestrian ramps with detectable warning plates and sidewalks and reciprocal curb ramps as necessary. The project will also include new subsurface drainage infrastructure. The project is intended to increase walkability for residents and enhance connectivity for pedestrians/residents to safely walk on Allen Street.	Other	Allen Street, between East Main Street and Hudson Street	Allen Street - Google Maps	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No	Yes	No	\$250,000 - \$500,000	\$400,000.00		6
8	Maple Street - New Sidewalks	The project includes the construction of approximately 1,750 linear feet of new 5'-0" wide ADA-compliant sidewalk with curbing addressing a network gap from the existing sidewalk on Bartlett Street to an existing sidewalk on Maple Street near the intersection of Ridge Road. In addition, it includes a new ADA compliant crosswalk and seven new pedestrian ramps with detectable warning plates as needed, including reciprocal curb ramps and crosswalks. The project will also include the construction of subsurface storm drain infrastructure. The project is intended to improve walkability for resident/pedestrians, enhance connectivity, and increases safety to walk on Maple Street and cross to an existing sidewalk on Hamilton Road.	Other	Maple Street, between Bartlett Street and Ridge Road	Maple Street - Google Maps	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No	Yes	No	>\$500,000	\$500,000.00	Local Appropriation, Safe Routes to School, \$450,000	12
9	Pinehaven Road Sidewalk Improvements	The project includes construction of approximately 1,000 linear feet of new 5'-0" wide ADA-compliant sidewalk with curbing to connect the Pinehaven Drive neighborhood to the existing sidewalk on West Main Street and the existing sidewalk on Lincoln Street. In addition, it includes a new ADA compliant reciprocal crosswalk to Lincoln Street and West Main Street with pedestrian ramps and detectable warning plates, as necessary. The project intends to increase walkability for resident/pedestrians, enhance connectivity, and increases road crossing safety.	Other	Pinehaven Drive, between Lincoln Street and Shadylane Avenue and West Main Street and Shadylane Avenue.	Pinehaven Dr - Google Maps	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	No	\$250,000 - \$500,000	\$340,000.00		6	

Municipality	Northborough
MassDOT District	3
Name	Scott Charpentier
Title	Director of Public Works
Date	1/25/2023

Public Engagement
Public Engagement Description
Public engagement was initiated via a community survey that ran for two weeks in August 2022. The community survey reached a large audience, collecting more than 800 responses. Additional opportunities for public comment on the priorities of identified projects were provided during the September 15th Master Plan Implementation Committee meeting and the October 17th Selectboard Meeting.

Project Priority Ranking	Project Name	Project Description	Project Source	Location		Modes Served			Project Types																				Assessment							Funding Request			Construction Schedule
				Project Location	Google Maps Link	Pedestrian	Bicycle	Tram	Vehicle/Freight	Intersection Redesign	Street Reconfigurations & Traffic Calming	Pedestrian Crossing Modifications	Pedestrian & Bike Network Connections	Transit Investments	Environment & Streetscape Investments	Network Gap	High Crash Location	Environmental Justice	Safe Routes to School	Safe Routes for Seniors	Accessibility	State-owned ROW	Estimated Project Cost Range	Funding Requested from MassDOT	Other Funding Source(s) & Amount (if applicable)	Anticipated Construction Duration													
10	South Street - Sharrow	The project includes the addition of MUTCD compliant shared arrows pavement markings along approximately 8,900 linear feet of South Street, from Route 20 to Ellsworth to McAfee Parks. The project intends to increase safety of bicyclists traveling on South Street.	Other	South Street, from Main Street to Ellsworth McAfee Park	South Street - Google Maps	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	<\$50,000	\$20,000.00		1				
11	Pierce Street - Lighting Improvements	The project includes the installation of street lighting and planting of trees along 500 linear feet of Pierce Street, from Hudson to Street Blake Street. The project is intended to improve visibility for pedestrians/resident during early mornings or night and provide a benefit to the environment.	Other	Pierce Street, from Hudson Street to Blake Street	Pierce St - Google Maps	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	Yes	No	Yes	\$50,000 - \$100,000	\$80,000.00		3	
12	Blake Street - Lighting Improvements	The project includes new street lighting and street trees along approximately 500 linear feet of Blake Street. Project also includes new curbing to reduce width of driveway throat and grassed bump-out as means of traffic control. The project also includes a new esplanade area, park benches, and bike racks. This project is intended to provide a traffic calming benefit, provide a small sitting/park area for residents, improve visibility for pedestrians/resident during early mornings or night and provide a benefit to the environment through the planting of street trees.	Other	Blake Street, between West Main Street to Pierce Street	Blake St - Google Maps	Yes	Yes	Yes	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	No	Yes	\$100,000 - \$250,000	\$160,000.00		4		
13	Gale Street - Lighting Improvements	The project includes the installation of street lighting and planting of trees along 725 linear feet of Gale Street, from South Street to Monroe. The project is intended to improve visibility for pedestrians/resident during early mornings or night and provide a benefit to the environment.	Other	Gale and Monroe Streets, between the existing sidewalk on Monroe Street and Route 135 South Street	Gale St - Google Maps	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	Yes	Yes	No	Yes	No	Yes	\$50,000 - \$100,000	\$65,000.00		3	
14	Bartlett & Maple Streets Intersection Improvements	The project includes combining separate turning lanes into a single lane with appropriate MUTCD compliant caution signs and pavement markings. These changes will improve sight distances for traffic exiting Maple Street. The project is intended to improve road safety at this intersection.	Other	Intersection of Bartlett Street and Maple Street	Bartlett & Maple - Google Maps	No	No	Yes	Yes	No	Yes	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No	Yes	No	Yes	<\$50,000	\$2,500.00		1
15	Bartlett Street - Bike Lanes	The project includes approximately 6,300 linear feet new MUTCD compliant 5-foot wide bike lane with pavement markings and signage from Algonquin Regional High School Drive to Town Line. Project also includes approximately 1,500 linear feet of new 8-foot wide on-road path with MUTCD compliant pavement markings and signage from Algonquin Regional High School Drive to Lyman Street. Additionally, the project includes approximately 830 linear feet of shoulder widening of Bartlett Street to accommodate the new 5'-0" wide bike lane and on-road path. The project is intended to improve bike safety in the neighborhood for residents/pedestrians.	Other	Bartlett Street, starting at Algonquin Regional High School Drive and ending at the Northborough Town Line	Bartlett St - Google Maps	No	Yes	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No	Yes	No	Yes	\$100,000 - \$250,000	\$225,000.00		3
16	Chesterfield Road - Crosswalk Improvements	The project includes crosswalk improvements at an intersection of Chesterfield Road and Northgate Road. Work includes providing new ADA compliant pedestrian ramps with detectable warning plates and accessibly installed at a level landing Rectangular Rapid Flashing Beacons. The project is intended to increase safety for pedestrians/residents.	Other	Intersection of Northgate Road and Chesterfield Road	Chesterfield Rd - Google Maps	Yes	No	No	No	No	No	No	No	No	Yes	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No	Yes	No	Yes	<\$50,000	\$35,000.00		1
17	River Street - New Sidewalk	The project includes construction of approximately 1,800 linear feet of new 5'-0" wide ADA-compliant sidewalk addressing a network gap between the existing sidewalks on Main Street and Hudson Street with ADA compliant curbing and pedestrian ramps with detectable warning plates as needed. The project increases walkability for resident/pedestrians, enhances connectivity, and increases walkway safety.	Other	River Street, between Main Street and Hudson Street	River St - Google Maps	Yes	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	Yes	No	No	No	No	Yes	Yes	No	Yes	No	Yes	\$250,000 - \$500,000	\$300,000.00		6	
18	Davis Street - New Sidewalks	The project includes the construction of approximately 1,200 linear feet of new 5'-0" wide ADA-compliant sidewalk with curbing from the existing sidewalk at intersection at of Lanthorn Road to an existing sidewalk on Hamilton Road. In addition, it includes three ADA compliant new crosswalks, and six new pedestrian ramps with detectable warning plates, including reciprocal sidewalks and curb ramps. The project will also include the construction of subsurface storm drain infrastructure. The project is intended to increase walkability for resident/pedestrians and enhances sidewalk connectivity.	Other	Davis Street, between Lanthorn Road and Hamilton Road	Davis St - Google Maps	Yes	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	Yes	No	No	No	No	Yes	Yes	No	Yes	No	Yes	>\$500,000	\$500,000.00	Local Appropriation, Safe Routes to School, \$150,000	6	
19	Bearfoot Road - New Sidewalks	The project includes construction of approximately 2,700 linear feet of a new 10'-0" wide shared pedestrian/bike path along Bearfoot Road. The project addresses a network gap to the existing pedestrian ramps at the intersection of Solomon Pond Road and Goddard Road and will include an ADA compliant reciprocal curb ramp and sidewalk. The project is intended to improve bicyclist and pedestrian safety in the project area for residents/pedestrians.	Other	Bearfoot Road, from Colburn Street to Solomon Pond Road	Bearfoot Rd - Google Maps	Yes	Yes	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	Yes	No	No	No	No	Yes	Yes	No	Yes	No	Yes	>\$500,000	\$500,000.00	Local Appropriation, \$210,000	12
20	Townwide Bicycle Parking Project	The project includes providing concrete foundations at five public locations across town, with the installation of bike racks to follow. Adding bike racks is intended to allow the public to have a safe location to secure their bicycle when they arrive at the public buildings or park.	Other	Town Library, Fire Station, Town Hall, Watson Park, Assabet Park, and Memorial Field	Northborough Fire Department - Google Maps	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	Yes	No	Yes	<\$50,000	\$20,000.00		1

Municipality	Northborough
MassDOT District	3
Name	Scott Charpentier
Title	Director of Public Works
Date	1/25/2023

Public Engagement	
Public Engagement Description	
Public engagement was initiated via a community survey that ran for two weeks in August 2022. The community survey reached a large audience, collecting more than 800 responses. Additional opportunities for public comment on the priorities of identified projects were provided during the September 15th Master Plan Implementation Committee meeting and the October 17th Selectboard Meeting.	

Project Basics				Location		Modes Served			Project Types																				Assessment						Funding Request			Construction Schedule											
Project Priority Ranking	Project Name	Project Description	Project Source	Project Location	Google Maps Link	Pedestrian	Bicycle	Transit	Vehicle/Freight	Intersection Redesign	Street Reconfigurations & Traffic Calming	Pedestrian Crossing Modifications					Pedestrian & Bike Network Connections					Transit Investments			Environment & Streetscape Investments							Network Gap	High Crash Location			Environmental Justice	Safe Routes to School	Safe Routes for Seniors	Accessibility	State-owned ROW	Estimated Project Cost Range	Funding Requested from MassDOT	Other Funding Source(s) & Amount (if applicable)	Anticipated Construction Duration					
										Roundabout/Mini Traffic Circle	Intersection Reconstruction	Tighten Curb Rook/Curb Extension	Intersection Signalization	Roundabout/Lane Elimination	Lane Narrowing	Other Traffic Calming Elements	ADA-compliant Curb Ramps	Pedestrian Hybrid Beacon/HAWK	Ped-Activated Warning Device/PRRBs	Pedestrian Signal Upgrades	Crossing Islands	Raised Intersection or Raised Crosswalk	Crosswalk Improvements	Sidewalk	Shared-Use Path/Separated Bike Lane	On-road Bike Lane	Bicycle Boulevards	Asphalt Road Crossing Improvements	Transit Station/Stop Access Improvements	Transit Service Improvements	Street Lighting	Wayfinding for Pedestrians/Bicyclists	Bicycle Parking	Bicycle-Friendly Drain Grates	Stormwater Management	Street Tree Landscaping	Is a Network Gap being Filled?	Pedestrian	Bicycle	Vehicle	Is an Environmental Justice Population Served? (See MassGIS Map)	Does this project improve safety or accessibility within one mile of a school?	Does this project improve safety or accessibility within 1/4 mile of a Senior destination?	Does this project improve conditions for people with disabilities?	Does this project include any state-owned right-of-way?				
21	Howard Street - Sidewalk Replacement	The project includes the removal and replacement of approximately 2,400 linear feet of existing sidewalk on Howard Street with new 5'-0" wide ADA-compliant sidewalk, closed drainage, including pedestrian ramps with detectable warning plates at all crosswalks. The project increases walkability and safety for residents/pedestrians.	Other	Howard Street, between Church Street and Winter Street	Howard Street - Google Maps	Yes	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	Yes	No	\$250,000 - \$500,000	\$255,000.00		6
22	Pleasant Street - Sidewalk Replacement	The project includes the removal and replacement of approximately 2,600 linear feet of existing sidewalk with new 5'-0" wide ADA-compliant sidewalk, including new pedestrian ramps with detectable warning plates at existing crosswalks. The project is intended to increase walkability and safety for residents/pedestrians.	Other	Pleasant Street between Church Street and Lincoln Street	Pleasant St - Google Maps	Yes	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	Yes	No	\$250,000 - \$500,000	\$265,000.00		6		
23	Lincoln Street - Sidewalk Replacement	The project includes the removal and replacement of approximately 3,500 linear feet of existing sidewalk with new 5'-0" wide ADA-compliant sidewalk, including pedestrian ramps with detectable warning plates at existing crosswalks. The project is intended to increase walkability and safety for pedestrians/residents.	Other	Lincoln Street between Pleasant Street and West Main Street	Lincoln St - Google Maps	Yes	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	Yes	No	\$250,000 - \$500,000	\$310,000.00		6		
24	Lyman Street - Bike Lane	The project will provide approximately 1,000 linear feet of new 5'-0" wide bike lanes via MUTCD compliant pavement markings and signage on Lyman Street. The project also includes shoulder widening along Lyman Street to accommodate new bike lanes. The project is intended to improve road and lane safety for cyclists and to create an accessible and safe route for cyclists to travel to Watson Park.	Other	Lyman Street, from Bartlett Street to Watson Park	Lyman Street - Google Maps	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	\$250,000 - \$500,000	\$315,000.00		4