

Greenfield Sustainable Master Plan
Transportation Implementation Table

Element	Goal	Strategy	Description of Strategy	Implementation Actions	STATUS Done? In process?	Policy, Program, Plan or Infrastructure Action	Best Practices and Resources	Additional Element(s) this Strategy Addresses	Time to Implement (\$hort, Mid, Long Term)	Estimated Cost (\$, \$\$\$, \$\$\$\$)	Existing Implementation Funding Available? (Y/N and Description)	New Strategy or Part of Another Plan? (List Plan)	Lead Department or Stakeholder
2. Transport	Goal #1: Greenfield will have welcoming gateways as well as safe, efficient, and attractive travel corridors.	1. Develop a beautification and informational plan, including a unified sign policy.	This strategy is aimed to seek opportunities to use streetscape, hardscape, and/or landscape enhancements to create a sense of place at key nodes throughout the community. Signage should provide guidance to key community features for way-finding purposes. Enforcement and implementation shall be established by existing committees and/or the planning board.	SEE BELOW	DONE(Brookie, mural, flowers, benches)& In Process+	Plan	(i) Amass Amherst (http://www.umass.edu/sustainability/); (ii) MassDOT GreenDOT Initiative (https://www.massdot.state.ma.us/GreenDOT.aspx)	Land Use and Natural, Cultural, Historic Resources	Long (>5 years)	\$55 (\$100,001 - \$250,000)	N Possibilities: CDBG	New Strategy	Dept of Planning /DPW/Mayor's Office/Rejuvenators
2. Transport	Goal #1: Greenfield will have welcoming gateways as well as safe, efficient, and attractive travel corridors.	1. Develop a beautification and informational plan, including a unified sign policy.	This strategy is aimed to seek opportunities to use streetscape, hardscape, and/or landscape enhancements to create a sense of place at key nodes throughout the community. Signage should provide guidance to key community features for way-finding purposes. Enforcement and implementation shall be established by existing committees and/or the planning board.	• Support welcoming signage, public art, and the promotion of special events at gateways. (Brookie Park + misc murals + Rejuvenators/overall beautification)	DONE(Brookie, mural, flowers, benches)& In Process+	Plan	(i) Amass Amherst (http://www.umass.edu/sustainability/); (ii) MassDOT GreenDOT Initiative (https://www.massdot.state.ma.us/GreenDOT.aspx)	Land Use and Natural, Cultural, Historic Resources	Long (>5 years)	\$55 (\$100,001 - \$250,000)	N Possibilities: CDBG	New Strategy	Dept of Planning /DPW/Mayor's Office/Rejuvenators
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2. Transport	Goal #1: Greenfield will have welcoming gateways as well as safe, efficient, and attractive travel corridors.	2. Implement Complete Street initiatives	Complete Street policies shall be incorporated into all intersection or roadway improvement projects regardless of whether it is a public or private partnership. State and Federal guidelines shall be followed to ensure that roadway cross sections (lane and shoulder width, etc.) are met for the roadway's specific functional classification and/or jurisdiction.	SEE BELOW	WHO lead? travel lane width-Dept of Transp study & then BP..	Policy	(i) MassDOT Project Development & Design Guide; (ii) Boston Complete Streets Initiative (http://bostoncompletestreets.org/); (iii) Smart Growth America Complete Street Coalition (http://www.smartgrowthamerica.org/complete-streets/changing-policy/policy-elements)	Public Facilities, Services, and Energy	Long (>5 years)	\$5 (\$20,001 - \$100,000)	N, but could use CDBG*, STIP*, MassWorks Grant*	New Strategy	Dept of Planning /DPW/GR+Planning Bd as needed
2. Transport	Goal #1: Greenfield will have welcoming gateways as well as safe, efficient, and attractive travel corridors.	2. Implement Complete Street initiatives	Complete Street policies shall be incorporated into all intersection or roadway improvement projects regardless of whether it is a public or private partnership. State and Federal guidelines shall be followed to ensure that roadway cross sections (lane and shoulder width, etc.) are met for the roadway's specific functional classification and/or jurisdiction.	• Incorporate a Complete Streets Policy as part of the Major Development Review Process. • Establish a standard width of 11 feet for travel lanes, with the option of using 10 feet where conditions allow.	WHO lead? travel lane width-Dept of Transp study & then BP..	Policy	(i) MassDOT Project Development & Design Guide; (ii) Boston Complete Streets Initiative (http://bostoncompletestreets.org/); (iii) Smart Growth America Complete Street Coalition (http://www.smartgrowthamerica.org/complete-streets/changing-policy/policy-elements)	Public Facilities, Services, and Energy	Long (>5 years)	\$5 (\$20,001 - \$100,000)	N, but could use CDBG*, STIP*, Chapter 90, MassWorks Grant*	New Strategy	Dept of Planning /DPW/GR+Planning Bd as needed
2. Transport	Goal #1: Greenfield will have welcoming gateways as well as safe, efficient, and attractive travel corridors.	2. Implement Complete Street initiatives	Complete Street policies shall be incorporated into all intersection or roadway improvement projects regardless of whether it is a public or private partnership. State and Federal guidelines shall be followed to ensure that roadway cross sections (lane and shoulder width, etc.) are met for the roadway's specific functional classification and/or jurisdiction.	• Identify intersection/roadway improvements using multimodal assessment methodologies approved by Greenfield DPW and/or Massachusetts Department of Transportation.	WHO lead? travel lane width-Dept of Transp study & then BP..	Policy	(i) MassDOT Project Development & Design Guide; (ii) Boston Complete Streets Initiative (http://bostoncompletestreets.org/); (iii) Smart Growth America Complete Street Coalition (http://www.smartgrowthamerica.org/complete-streets/changing-policy/policy-elements)	Public Facilities, Services, and Energy	Long (>5 years)	\$5 (\$20,001 - \$100,000)	N, but could use CDBG*, STIP*, Chapter 90, MassWorks Grant*	New Strategy	Dept of Planning /DPW/GR+Planning Bd as needed
2. Transport	Goal #1: Greenfield will have welcoming gateways as well as safe, efficient, and attractive travel corridors.	2. Implement Complete Street initiatives	Complete Street policies shall be incorporated into all intersection or roadway improvement projects regardless of whether it is a public or private partnership. State and Federal guidelines shall be followed to ensure that roadway cross sections (lane and shoulder width, etc.) are met for the roadway's specific functional classification and/or jurisdiction.	• Perform more detailed corridor assessments on Main St., Federal St., and Turners Falls Road, etc. to identify specific improvement needs and construction costs.	WHO lead? travel lane width-Dept of Transp study & then BP..	Policy	(i) MassDOT Project Development & Design Guide; (ii) Boston Complete Streets Initiative (http://bostoncompletestreets.org/); (iii) Smart Growth America Complete Street Coalition (http://www.smartgrowthamerica.org/complete-streets/changing-policy/policy-elements)	Public Facilities, Services, and Energy	Long (>5 years)	\$5 (\$20,001 - \$100,000)	N, but could use CDBG*, STIP*, Chapter 90, MassWorks Grant*	New Strategy	Dept of Planning /DPW/GR+Planning Bd as needed
2. Transport	Goal #1: Greenfield will have welcoming gateways as well as safe, efficient, and attractive travel corridors.	2. Implement Complete Street initiatives	Complete Street policies shall be incorporated into all intersection or roadway improvement projects regardless of whether it is a public or private partnership. State and Federal guidelines shall be followed to ensure that roadway cross sections (lane and shoulder width, etc.) are met for the roadway's specific functional classification and/or jurisdiction.	• Incorporate more detailed traffic impact and access study guidelines into the Major Development Review process.	WHO lead? travel lane width-Dept of Transp study & then BP..	Policy	(i) MassDOT Project Development & Design Guide; (ii) Boston Complete Streets Initiative (http://bostoncompletestreets.org/); (iii) Smart Growth America Complete Street Coalition (http://www.smartgrowthamerica.org/complete-streets/changing-policy/policy-elements)	Public Facilities, Services, and Energy	Long (>5 years)	\$5 (\$20,001 - \$100,000)	N, but could use CDBG*, STIP*, Chapter 90, MassWorks Grant*	New Strategy	Dept of Planning /DPW/GR+Planning Bd as needed
2. Transport	Goal #1: Greenfield will have welcoming gateways as well as safe, efficient, and attractive travel corridors.	2. Implement Complete Street initiatives	Complete Street policies shall be incorporated into all intersection or roadway improvement projects regardless of whether it is a public or private partnership. State and Federal guidelines shall be followed to ensure that roadway cross sections (lane and shoulder width, etc.) are met for the roadway's specific functional classification and/or jurisdiction.	• Explore ways to improve traffic flow issues related to school pick-up/drop-off.	WHO lead? travel lane width-Dept of Transp study & then BP..	Policy	(i) MassDOT Project Development & Design Guide; (ii) Boston Complete Streets Initiative (http://bostoncompletestreets.org/); (iii) Smart Growth America Complete Street Coalition (http://www.smartgrowthamerica.org/complete-streets/changing-policy/policy-elements)	Public Facilities, Services, and Energy	Long (>5 years)	\$5 (\$20,001 - \$100,000)	N, but could use CDBG*, STIP*, Chapter 90, MassWorks Grant*	New Strategy	Dept of Planning /DPW/GR+Planning Bd as needed

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2. Transport	Goal #1: Greenfield will have welcoming gateways as well as safe, efficient, and attractive travel corridors.	3. Implement Access Management Techniques.	Access Management Techniques shall be incorporated into any intersection or roadway improvement project regardless of whether it is a public or private partnership; although it may be easier to implement techniques when private developments are reviewed during the Major Development Review process. Access management techniques could include curb cut/driveway consolidations, internal parcel shared access, or adequately spacing driveways based on the classification and observed speed limit for the roadway.	SEE BELOW	Need grant-Plan	Policy	(i) Transportation Research Board (TRB) Access Management Manual NCHRP 15-43; (ii) MassDOT Project Development & Design Guide.	Land Use; Public Facilities, Services, and Energy; Economic Development	Long (>5 years)	\$\$\$\$ (>\$250,000)	N Possibilities: Private funding, CD8G*, MassWorks Grant*	New Strategy	DPW, Planning/ Major Development Review process.
2. Transport	Goal #1: Greenfield	3. Implement Access Management	Access Management Techniques shall be incorpo	improve traffic flow along major corridors by reducing vehicle conflict points; through driveway consolidation and internal shared driveways.	Need grant-Plan	Policy	(i) Transportation Research Board (TRB) Access Management Manual NCHRP 15-43; (ii) MassDOT Project Development & Design Guide.	Land Use; Public Facilities, Services, and Energy; Economic Development	Long (>5 years)	\$\$\$\$ (>\$250,000)	N Possibilities: Private funding, CD8G*, MassWorks Grant*	New Strategy	DPW, Planning/ Major Development Review process.
2. Transport	Goal #1: Greenfield	3. Implement Access Management	Access Management Techniques shall be incorpo	Reduce vehicle-crashes town-wide and on major corridors and at Highway Safety Improvement Program cluster areas identified by MassDOT.	Need grant-Plan	Policy	(i) Transportation Research Board (TRB) Access Management Manual NCHRP 15-43; (ii) MassDOT Project Development & Design Guide.	Land Use; Public Facilities, Services, and Energy; Economic Development	Long (>5 years)	\$\$\$\$ (>\$250,000)	N Possibilities: Private funding, CD8G*, MassWorks Grant*	New Strategy	DPW, Planning/ Major Development Review process.
2. Transport	Goal #2: Downtown will be safe for all modes of transportation, with smooth traffic flow and sufficient parking, including a Municipal Parking Garage.	4. Implement a Downtown Transportation Improvement Plan, including parking and traffic flow for all modes of transportation.	The downtown has been a subject of many conversations to improve and enhance all modes of transportation. On-street parking needs to be reviewed to confirm utilization and turnover ratios so that parking space changes and a new parking garage can be justified. Further study is needed to provide a better assessment of the impacts associated with any improvements in downtown, and to obtain key stakeholders support	SEE BELOW	Need grant?-Plan	Plan	(i) Massachusetts Downtown Initiative (MDI): Town of Beverly, Norwood, Montague, Easton, Reading, Chelmsford, Woburn and Hingham (see: http://www.mass.gov/hed/c/ommunity/funding/masSGIC/hussets-downtown-initiative-mdi.html)	Land Use and Economic Development	Long (>5 years)	\$\$\$\$ (>\$250,000)	N Possibilities: STIP*, CD8G*, Chapter 90, MassWorks Grant*	2003 Downtown Master Plan	Dept of Planning /DPW/Mayor's Office - +Planning Bid as needed
2. Transport	Goal #2: Downtown	4. Implement a Downtown Transpo	The downtown has been a subject of many conver	• Gradually shift Main Street parking from angled to parallel in collaboration with funding a new parking garage.	Need grant?-Plan	Plan	(i) Massachusetts Downtown Initiative (MDI): Town of Beverly, Norwood, Montague, Easton, Reading, Chelmsford, Woburn and Hingham (see: http://www.mass.gov/hed/c/ommunity/funding/masSGIC/hussets-downtown-initiative-mdi.html)	Land Use and Economic Development	Long (>5 years)	\$\$\$\$ (>\$250,000)	N Possibilities: STIP*, CD8G*, Chapter 90, MassWorks Grant*	2003 Downtown Master Plan	Dept of Planning /DPW/Mayor's Office - +Planning Bid as needed
2. Transport	Goal #2: Downtown	4. Implement a Downtown Transpo	The downtown has been a subject of many conver	• Include bicycle parking.	Need grant?-Plan	Plan	(i) Massachusetts Downtown Initiative (MDI): Town of Beverly, Norwood, Montague, Easton, Reading, Chelmsford, Woburn and Hingham (see: http://www.mass.gov/hed/c/ommunity/funding/masSGIC/hussets-downtown-initiative-mdi.html)	Land Use and Economic Development	Long (>5 years)	\$\$\$\$ (>\$250,000)	N Possibilities: STIP*, CD8G*, Chapter 90, MassWorks Grant*	2004 Downtown Master Plan	Dept of Planning /DPW/Mayor's Office - +Planning Bid as needed
2. Transport	Goal #2: Downtown	4. Implement a Downtown Transpo	The downtown has been a subject of many conver	• Perform an updated downtown parking assessment.	Need grant?-Plan	Plan	(i) Massachusetts Downtown Initiative (MDI): Town of Beverly, Norwood, Montague, Easton, Reading, Chelmsford, Woburn and Hingham (see: http://www.mass.gov/hed/c/ommunity/funding/masSGIC/hussets-downtown-initiative-mdi.html)	Land Use and Economic Development	Long (>5 years)	\$\$\$\$ (>\$250,000)	N Possibilities: STIP*, CD8G*, Chapter 90, MassWorks Grant*	2005 Downtown Master Plan	Dept of Planning /DPW/Mayor's Office - +Planning Bid as needed
2. Transport	Goal #2: Downtown	4. Implement a Downtown Transpo	The downtown has been a subject of many conver	• Continue to seek funding for a parking garage on Olive Street to serve visitors, residents, the courthouse, and the Transit Center, incorporating pedestrian access from Transit Center to level of Main Street. (M believes funds allocated by legislature...but were they secured?)	Need grant?-Plan	Plan	(i) Massachusetts Downtown Initiative (MDI): Town of Beverly, Norwood, Montague, Easton, Reading, Chelmsford, Woburn and Hingham (see: http://www.mass.gov/hed/c/ommunity/funding/masSGIC/hussets-downtown-initiative-mdi.html)	Land Use and Economic Development	Long (>5 years)	\$\$\$\$ (>\$250,000)	N Possibilities: STIP*, CD8G*, Chapter 90, MassWorks Grant*	2006 Downtown Master Plan	Dept of Planning /DPW/Mayor's Office - +Planning Bid as needed
2. Transport	Goal #2: Downtown	4. Implement a Downtown Transpo	The downtown has been a subject of many conver	• Upgrade all municipal parking lots using Low Impact Development principles, with consideration of the 2012 Canway School of Landscape Design study as a model.	Need grant?-Plan	Plan	(i) Massachusetts Downtown Initiative (MDI): Town of Beverly, Norwood, Montague, Easton, Reading, Chelmsford, Woburn and Hingham (see: http://www.mass.gov/hed/c/ommunity/funding/masSGIC/hussets-downtown-initiative-mdi.html)	Land Use and Economic Development	Long (>5 years)	\$\$\$\$ (>\$250,000)	N Possibilities: STIP*, CD8G*, Chapter 90, MassWorks Grant*	2007 Downtown Master Plan	Dept of Planning /DPW/Mayor's Office - +Planning Bid as needed
2. Transport	Goal #2: Downtown	4. Implement a Downtown Transpo	The downtown has been a subject of many conver	• Add bike lanes or shared use markings (sharrows) along Main Street and throughout the downtown area.	Need grant?-Plan	Plan	(i) Massachusetts Downtown Initiative (MDI): Town of Beverly, Norwood, Montague, Easton, Reading, Chelmsford, Woburn and Hingham (see: http://www.mass.gov/hed/c/ommunity/funding/masSGIC/hussets-downtown-initiative-mdi.html)	Land Use and Economic Development	Long (>5 years)	\$\$\$\$ (>\$250,000)	N Possibilities: STIP*, CD8G*, Chapter 90, MassWorks Grant*	2008 Downtown Master Plan	Dept of Planning /DPW/Mayor's Office - +Planning Bid as needed
2. Transport	Goal #2: Downtown	4. Implement a Downtown Transpo	The downtown has been a subject of many conver	• Add planted medians or islands to Main Street to slow traffic and make pedestrian crossings safer.	Need grant?-Plan	Plan	(i) Massachusetts Downtown Initiative (MDI): Town of Beverly, Norwood, Montague, Easton, Reading, Chelmsford, Woburn and Hingham (see: http://www.mass.gov/hed/c/ommunity/funding/masSGIC/hussets-downtown-initiative-mdi.html)	Land Use and Economic Development	Long (>5 years)	\$\$\$\$ (>\$250,000)	N Possibilities: STIP*, CD8G*, Chapter 90, MassWorks Grant*	2009 Downtown Master Plan	Dept of Planning /DPW/Mayor's Office - +Planning Bid as needed
2. Transport	Goal #2: Downtown	4. Implement a Downtown Transpo	The downtown has been a subject of many conver	• Make it easier to reach downtown safely by non-automotive modes.	Need grant?-Plan	Plan	(i) Massachusetts Downtown Initiative (MDI): Town of Beverly, Norwood, Montague, Easton, Reading, Chelmsford, Woburn and Hingham (see: http://www.mass.gov/hed/c/ommunity/funding/masSGIC/hussets-downtown-initiative-mdi.html)	Land Use and Economic Development	Long (>5 years)	\$\$\$\$ (>\$250,000)	N Possibilities: STIP*, CD8G*, Chapter 90, MassWorks Grant*	2010 Downtown Master Plan	Dept of Planning /DPW/Mayor's Office - +Planning Bid as needed
2. Transport	Goal #2: Downtown	4. Implement a Downtown Transpo	The downtown has been a subject of many conver	• Support pedestrian walking areas by providing and maintaining streetscape amenities such as: a quality tree canopy, benches, and outdoor dining.	Need grant?-Plan	Plan	(i) Massachusetts Downtown Initiative (MDI): Town of Beverly, Norwood, Montague, Easton, Reading, Chelmsford, Woburn and Hingham (see: http://www.mass.gov/hed/c/ommunity/funding/masSGIC/hussets-downtown-initiative-mdi.html)	Land Use and Economic Development	Long (>5 years)	\$\$\$\$ (>\$250,000)	N Possibilities: STIP*, CD8G*, Chapter 90, MassWorks Grant*	2011 Downtown Master Plan	Dept of Planning /DPW/Mayor's Office - +Planning Bid as needed

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2. Transport	Goal #2: Downtown	4. Implement a Downtown Transportation	The downtown has been a subject of many conversations.	<ul style="list-style-type: none"> Encourage transit opportunities with frequent and convenient stops at downtown locations. 	Need grant? - Plan	Plan	(f) Massachusetts Downtown Initiative (MDI): Town of Beverly, Norwood, Montague, Easton, Reading, Chelmsford, Woburn and Hingham (see: http://www.mass.gov/hed/c/immunity/funding/masgic/huzetts-downtown-initiative-mdi.html)	Land Use and Economic Development	Long (>5 years)	\$\$\$\$ (>\$250,000)	N Possibilities: STIP*, CD8G*, Chapter 90, MassWorks Grant*	2012 Downtown Master Plan	Dept of Planning /DPW/Mayor's Office - Planning Bid as needed
2. Transport	Goal #2: Downtown	4. Implement a Downtown Transportation	The downtown has been a subject of many conversations.	<ul style="list-style-type: none"> Investigate and implement ways to reverse direction on Main Street. 	Need grant? - Plan	Plan	(f) Massachusetts Downtown Initiative (MDI): Town of Beverly, Norwood, Montague, Easton, Reading, Chelmsford, Woburn and Hingham (see: http://www.mass.gov/hed/c/immunity/funding/masgic/huzetts-downtown-initiative-mdi.html)	Land Use and Economic Development	Long (>5 years)	\$\$\$\$ (>\$250,000)	N Possibilities: STIP*, CD8G*, Chapter 90, MassWorks Grant*	2013 Downtown Master Plan	Dept of Planning /DPW/Mayor's Office - Planning Bid as needed
2. Transport	Goal #2: Downtown	4. Implement a Downtown Transportation	The downtown has been a subject of many conversations.	<ul style="list-style-type: none"> Conduct Road Safety Audits to improve traffic flow/safety at problem areas along Main St, such as at intersections with Colrain St., Hope St. and High St. 	Need grant? - Plan	Plan	(f) Massachusetts Downtown Initiative (MDI): Town of Beverly, Norwood, Montague, Easton, Reading, Chelmsford, Woburn and Hingham (see: http://www.mass.gov/hed/c/immunity/funding/masgic/huzetts-downtown-initiative-mdi.html)	Land Use and Economic Development	Long (>5 years)	\$\$\$\$ (>\$250,000)	N Possibilities: STIP*, CD8G*, Chapter 90, MassWorks Grant*	2014 Downtown Master Plan	Dept of Planning /DPW/Mayor's Office - Planning Bid as needed
2. Transport	Goal #2: Downtown	4. Implement a Downtown Transportation	The downtown has been a subject of many conversations.	<ul style="list-style-type: none"> Encourage cooperation between the town and businesses to use underutilized areas for access/egress, such as alleys, rear entrances, and parking lots creating welcoming environments (courts, patios, plazas) for everyone. 	Need grant? - Plan	Plan	(f) Massachusetts Downtown Initiative (MDI): Town of Beverly, Norwood, Montague, Easton, Reading, Chelmsford, Woburn and Hingham (see: http://www.mass.gov/hed/c/immunity/funding/masgic/huzetts-downtown-initiative-mdi.html)	Land Use and Economic Development	Long (>5 years)	\$\$\$\$ (>\$250,000)	N Possibilities: STIP*, CD8G*, Chapter 90, MassWorks Grant*	2015 Downtown Master Plan	Dept of Planning /DPW/Mayor's Office - Planning Bid as needed
2. Transport	Goal #3: Neighborhoods will enjoy an improved quality of life by a reduction in the negative impact of vehicular traffic.	5. Implement Traffic Calming Initiatives.	Traffic calming initiatives can have a significant impact on how drivers travel a roadway. Further studies are needed throughout the community to identify traffic calming techniques, as some techniques may not work well on certain roadways. Traffic calming techniques may include installation of speed humps, raised crosswalks, neck downs and textured pavements.	SEE BELOW	Need grant? - Plan & Implement	Policy	(f) Institute of Transportation Engineers traffic calming library (http://www.ite.org/traffic/); (g) City of Northampton (http://www.northampton.gov/1118/Traffic-Calming)	Land Use and Housing	Mid (2-5 years)	\$5 (\$20,001 - \$100,000)	N Possibilities: Private funding, CD8G*, MassWorks Grant*, STIP*	New Strategy	Dept of Planning /DPW/Mayor's Office/Police Department
2. Transport	Goal #3: Neighborhood	5. Implement Traffic Calming Initiative	Traffic calming initiatives can have a significant impact on how drivers travel a roadway.	<ul style="list-style-type: none"> Work with neighborhoods to identify and implement traffic-calming techniques to improve safety on neighborhood streets, such as: speed monitors, 4-way stop signs, traffic signals, rumble strips, speed humps, roundabouts, one-way street sections, etc. 	Need grant? - Plan & Implement	Policy	(f) Institute of Transportation Engineers traffic calming library (http://www.ite.org/traffic/); (g) City of Northampton (http://www.northampton.gov/1118/Traffic-Calming)	Land Use and Housing	Mid (2-5 years)	\$5 (\$20,001 - \$100,000)	N Possibilities: Private funding, CD8G*, MassWorks Grant*, STIP*	New Strategy	Dept of Planning /DPW/Mayor's Office/Police Department
2. Transport	Goal #3: Neighborhood	5. Implement Traffic Calming Initiative	Traffic calming initiatives can have a significant impact on how drivers travel a roadway.	<ul style="list-style-type: none"> Work with the police department to enforce speed limits in neighborhoods and publicize this commitment to protecting neighborhood quality of life. 	Need grant? - Plan & Implement	Policy	(f) Institute of Transportation Engineers traffic calming library (http://www.ite.org/traffic/); (g) City of Northampton (http://www.northampton.gov/1118/Traffic-Calming)	Land Use and Housing	Mid (2-5 years)	\$5 (\$20,001 - \$100,000)	N Possibilities: Private funding, CD8G*, MassWorks Grant*, STIP*	New Strategy	Dept of Planning /DPW/Mayor's Office/Police Department
2. Transport	Goal #3: Neighborhood	5. Implement Traffic Calming Initiative	Traffic calming initiatives can have a significant impact on how drivers travel a roadway.	<ul style="list-style-type: none"> Use information (such as speed monitor data) to adjust enforcement and public education efforts. 	Need grant? - Plan & Implement	Policy	(f) Institute of Transportation Engineers traffic calming library (http://www.ite.org/traffic/); (g) City of Northampton (http://www.northampton.gov/1118/Traffic-Calming)	Land Use and Housing	Mid (2-5 years)	\$5 (\$20,001 - \$100,000)	N Possibilities: Private funding, CD8G*, MassWorks Grant*, STIP*	New Strategy	Dept of Planning /DPW/Mayor's Office/Police Department
2. Transport	Goal #3: Neighborhood	5. Implement Traffic Calming Initiative	Traffic calming initiatives can have a significant impact on how drivers travel a roadway.	<ul style="list-style-type: none"> Endorse House bill #3391 which would reduce the speed limit to 25 MPH in thickly settled areas (unless otherwise posted). 	Need grant? - Plan & Implement	Policy	(f) Institute of Transportation Engineers traffic calming library (http://www.ite.org/traffic/); (g) City of Northampton (http://www.northampton.gov/1118/Traffic-Calming)	Land Use and Housing	Mid (2-5 years)	\$5 (\$20,001 - \$100,000)	N Possibilities: Private funding, CD8G*, MassWorks Grant*, STIP*	New Strategy	Dept of Planning /DPW/Mayor's Office/Police Department
2. Transport	Goal #3: Neighborhood	5. Implement Traffic Calming Initiative	Traffic calming initiatives can have a significant impact on how drivers travel a roadway.	<ul style="list-style-type: none"> Develop and promote a catchphrase to capture the spirit of protecting neighborhood quality of life, such as "Be a good neighbor, drive gently." 	Need grant? - Plan & Implement	Policy	(f) Institute of Transportation Engineers traffic calming library (http://www.ite.org/traffic/); (g) City of Northampton (http://www.northampton.gov/1118/Traffic-Calming)	Land Use and Housing	Mid (2-5 years)	\$5 (\$20,001 - \$100,000)	N Possibilities: Private funding, CD8G*, MassWorks Grant*, STIP*	New Strategy	Dept of Planning /DPW/Mayor's Office/Police Department
2. Transport	Goal #3: Neighborhood	5. Implement Traffic Calming Initiative	Traffic calming initiatives can have a significant impact on how drivers travel a roadway.	<ul style="list-style-type: none"> Promote and encourage neighborhood block parties and other neighborhood activities. 	Need grant? - Plan & Implement	Policy	(f) Institute of Transportation Engineers traffic calming library (http://www.ite.org/traffic/); (g) City of Northampton (http://www.northampton.gov/1118/Traffic-Calming)	Land Use and Housing	Mid (2-5 years)	\$5 (\$20,001 - \$100,000)	N Possibilities: Private funding, CD8G*, MassWorks Grant*, STIP*	New Strategy	Dept of Planning /DPW/Mayor's Office/Police Department
2. Transport	Goal #4: The entire community will have enhanced walkability.	6. Develop a Town wide Walkability Plan.	The automobile is the primary mode of transportation in Greenfield with approximately 85-percent of resident workers traveling by car. The town shall continue to enhance sidewalks and crosswalks and increase pedestrian connectivity to all residential neighborhoods from major nodes in town or the downtown.	SEE BELOW	Need grant? - plan	Plan	(f) Town of Salem, Town of Southborough, MA: walking school bus; (g) FHWA Pedestrian and Bicycle Safety (http://safely.fhwa.dot.gov/ped_bike/ped_cmnity/ped_walkable/resources.cfm); (h) Safe Routes to School (http://www.saferroutespartnership.org/)	Land Use; Housing; Economic Development; Public Facilities, Services, and Energy	Long (>5 years)	\$\$\$\$ (>\$250,000)	Y - Sidewalk Replacement Fund. Other possibilities: Private funding, Chapter 90, STIP*, MassWorks Grant*	New Strategy	Planning/DPW/SGIC+Plannin g Bid as needed + 750C
2. Transport	Goal #4: The entire community will have enhanced walkability.	6. Develop a Town wide Walkability	The automobile is the primary mode of transportation in Greenfield with approximately 85-percent of resident workers traveling by car. The town shall continue to enhance sidewalks and crosswalks and increase pedestrian connectivity to all residential neighborhoods from major nodes in town or the downtown.	<ul style="list-style-type: none"> Increase quality and quantity of sidewalks to improve continuity, upgrade existing sidewalks to meet or exceed disability access standards. 	Need grant? - plan	Plan	(f) Town of Salem, Town of Southborough, MA: walking school bus; (g) FHWA Pedestrian and Bicycle Safety (http://safely.fhwa.dot.gov/ped_bike/ped_cmnity/ped_walkable/resources.cfm); (h) Safe Routes to School (http://www.saferroutespartnership.org/)	Land Use; Housing; Economic Development; Public Facilities, Services, and Energy	Long (>5 years)	\$\$\$\$ (>\$250,000)	Y - Sidewalk Replacement Fund. Other possibilities: Private funding, Chapter 90, STIP*, MassWorks Grant*	New Strategy	Planning/DPW/SGIC+Plannin g Bid as needed + 750C
2. Transport	Goal #4: The entire community will have enhanced walkability.	6. Develop a Town wide Walkability	The automobile is the primary mode of transportation in Greenfield with approximately 85-percent of resident workers traveling by car. The town shall continue to enhance sidewalks and crosswalks and increase pedestrian connectivity to all residential neighborhoods from major nodes in town or the downtown.	<ul style="list-style-type: none"> Investigate the installation of YIELD TO PEDESTRIAN signs in crosswalks on Main Street, Federal Street and High Street. 	Need grant? - plan	Plan	(f) Town of Salem, Town of Southborough, MA: walking school bus; (g) FHWA Pedestrian and Bicycle Safety (http://safely.fhwa.dot.gov/ped_bike/ped_cmnity/ped_walkable/resources.cfm); (h) Safe Routes to School (http://www.saferroutespartnership.org/)	Land Use; Housing; Economic Development; Public Facilities, Services, and Energy	Long (>5 years)	\$\$\$\$ (>\$250,000)	Y - Sidewalk Replacement Fund. Other possibilities: Private funding, Chapter 90, STIP*, MassWorks Grant*	New Strategy	Planning/DPW/SGIC+Plannin g Bid as needed + 750C

Greenfield Sustainable Master Plan
Transportation Implementation Table

Element	Goal	Strategy	Description of Strategy	Implementation Actions	STATUS Done? In process?	Policy, Program, Plan or Infrastructure Action	Best Practices and Resources	Additional Element(s) this Strategy Addresses	Time to Implement (Short, Mid, Long Term)	Estimated Cost (\$, \$\$\$, \$\$\$\$)	Existing Implementation Funding Available? (Y/N and Description)	New Strategy or Part of Another Plan? (List Plan)	Lead Department or Stakeholder
2. Transport	Goal #4: The entire community will have enhanced walkability.	6. Develop a Town wide Walkability	The automobile is the primary mode of transport	<ul style="list-style-type: none"> Explore additional crosswalk safety methods, such as decorative treatments (paint patterns, asphalt imprints, etc.), LED warning systems, speed monitors, etc. 	Need grant?-plan	Plan	(i.) Town of Salem, Town of Southborough, MA: walking school bus; (ii.) FHWA Pedestrian and Bicycle Safety (http://safety.fhwa.dot.gov/ped_bike/ped_cmnity/ped_walkguide/resource3.cfm); (iii.) Safe Routes to School (http://www.saferoutespartnership.org)	Land Use; Housing; Economic Development; Public Facilities, Services, and Energy	Long (>5 years)	\$555 (\$-250,000)	Y - Sidewalk Replacement Fund. Other possibilities: Private funding, Chapter 90, STIP*, MassWorks Grant*	New Strategy	Planning/DPW/SGIC+Plannings & Bd as needed + 75GIC
2. Transport	Goal #4: The entire community will have enhanced walkability.	6. Develop a Town wide Walkability	The automobile is the primary mode of transport	<ul style="list-style-type: none"> Identify where additional crosswalks are needed, such as on High St. at the police station and at Smith Street over to the Farmers' Cooperative. 	Need grant?-plan	Plan	(i.) Town of Salem, Town of Southborough, MA: walking school bus; (ii.) FHWA Pedestrian and Bicycle Safety (http://safety.fhwa.dot.gov/ped_bike/ped_cmnity/ped_walkguide/resource3.cfm); (iii.) Safe Routes to School (http://www.saferoutespartnership.org)	Land Use; Housing; Economic Development; Public Facilities, Services, and Energy	Long (>5 years)	\$555 (\$-250,000)	Y - Sidewalk Replacement Fund. Other possibilities: Private funding, Chapter 90, STIP*, MassWorks Grant*	New Strategy	Planning/DPW/SGIC+Plannings & Bd as needed + 75GIC
2. Transport	Goal #4: The entire community will have enhanced walkability.	6. Develop a Town wide Walkability	The automobile is the primary mode of transport	<ul style="list-style-type: none"> Develop a more stringent infrastructure snow removal program: (SGIC-GeorgeT is writing DRAFT ordinance) 	Need grant?-plan	Plan	(i.) Town of Salem, Town of Southborough, MA: walking school bus; (ii.) FHWA Pedestrian and Bicycle Safety (http://safety.fhwa.dot.gov/ped_bike/ped_cmnity/ped_walkguide/resource3.cfm); (iii.) Safe Routes to School (http://www.saferoutespartnership.org)	Land Use; Housing; Economic Development; Public Facilities, Services, and Energy	Long (>5 years)	\$555 (\$-250,000)	Y - Sidewalk Replacement Fund. Other possibilities: Private funding, Chapter 90, STIP*, MassWorks Grant*	New Strategy	Planning/DPW/SGIC+Plannings & Bd as needed + 75GIC
2. Transport	Goal #4: The entire community will have enhanced walkability.	6. Develop a Town wide Walkability	The automobile is the primary mode of transport	<ul style="list-style-type: none"> Improve the consistency of sidewalk snow clearing. 	Need grant?-plan	Plan	(i.) Town of Salem, Town of Southborough, MA: walking school bus; (ii.) FHWA Pedestrian and Bicycle Safety (http://safety.fhwa.dot.gov/ped_bike/ped_cmnity/ped_walkguide/resource3.cfm); (iii.) Safe Routes to School (http://www.saferoutespartnership.org)	Land Use; Housing; Economic Development; Public Facilities, Services, and Energy	Long (>5 years)	\$555 (\$-250,000)	Y - Sidewalk Replacement Fund. Other possibilities: Private funding, Chapter 90, STIP*, MassWorks Grant*	New Strategy	Planning/DPW/SGIC+Plannings & Bd as needed + 75GIC
2. Transport	Goal #4: The entire community will have enhanced walkability.	6. Develop a Town wide Walkability	The automobile is the primary mode of transport	<ul style="list-style-type: none"> Strengthen, publicize and enforce snow-clearing ordinance. 	Need grant?-plan	Plan	(i.) Town of Salem, Town of Southborough, MA: walking school bus; (ii.) FHWA Pedestrian and Bicycle Safety (http://safety.fhwa.dot.gov/ped_bike/ped_cmnity/ped_walkguide/resource3.cfm); (iii.) Safe Routes to School (http://www.saferoutespartnership.org)	Land Use; Housing; Economic Development; Public Facilities, Services, and Energy	Long (>5 years)	\$555 (\$-250,000)	Y - Sidewalk Replacement Fund. Other possibilities: Private funding, Chapter 90, STIP*, MassWorks Grant*	New Strategy	Planning/DPW/SGIC+Plannings & Bd as needed + 75GIC
2. Transport	Goal #4: The entire community will have enhanced walkability.	6. Develop a Town wide Walkability	The automobile is the primary mode of transport	<ul style="list-style-type: none"> Organize "Snow Squads" of "environmental athletes" to shovel snow from prioritized locations, including along routes to schools. 	Need grant?-plan	Plan	(i.) Town of Salem, Town of Southborough, MA: walking school bus; (ii.) FHWA Pedestrian and Bicycle Safety (http://safety.fhwa.dot.gov/ped_bike/ped_cmnity/ped_walkguide/resource3.cfm); (iii.) Safe Routes to School (http://www.saferoutespartnership.org)	Land Use; Housing; Economic Development; Public Facilities, Services, and Energy	Long (>5 years)	\$555 (\$-250,000)	Y - Sidewalk Replacement Fund. Other possibilities: Private funding, Chapter 90, STIP*, MassWorks Grant*	New Strategy	Planning/DPW/SGIC+Plannings & Bd as needed + 75GIC
2. Transport	Goal #4: The entire community will have enhanced walkability.	6. Develop a Town wide Walkability	The automobile is the primary mode of transport	<ul style="list-style-type: none"> Develop neighborhood trails and waterfront walkways with benches, signs, and trail maps/markers/themes at key locations. 	Need grant?-plan	Plan	(i.) Town of Salem, Town of Southborough, MA: walking school bus; (ii.) FHWA Pedestrian and Bicycle Safety (http://safety.fhwa.dot.gov/ped_bike/ped_cmnity/ped_walkguide/resource3.cfm); (iii.) Safe Routes to School (http://www.saferoutespartnership.org)	Land Use; Housing; Economic Development; Public Facilities, Services, and Energy	Long (>5 years)	\$555 (\$-250,000)	Y - Sidewalk Replacement Fund. Other possibilities: Private funding, Chapter 90, STIP*, MassWorks Grant*	New Strategy	Planning/DPW/SGIC+Plannings & Bd as needed + 75GIC
2. Transport	Goal #4: The entire community will have enhanced walkability.	6. Develop a Town wide Walkability	The automobile is the primary mode of transport	<ul style="list-style-type: none"> Promote the health benefits of walking for all ages by forming public/private/nonprofit partnerships to coordinate education and events. (GSD Bike Committee + YMCA walk program) 	Need grant?-plan	Plan	(i.) Town of Salem, Town of Southborough, MA: walking school bus; (ii.) FHWA Pedestrian and Bicycle Safety (http://safety.fhwa.dot.gov/ped_bike/ped_cmnity/ped_walkguide/resource3.cfm); (iii.) Safe Routes to School (http://www.saferoutespartnership.org)	Land Use; Housing; Economic Development; Public Facilities, Services, and Energy	Long (>5 years)	\$555 (\$-250,000)	Y - Sidewalk Replacement Fund. Other possibilities: Private funding, Chapter 90, STIP*, MassWorks Grant*	New Strategy	Planning/DPW/SGIC+Plannings & Bd as needed + 75GIC
2. Transport	Goal #4: The entire community will have enhanced walkability.	6. Develop a Town wide Walkability	The automobile is the primary mode of transport	<ul style="list-style-type: none"> Make walking more appealing by providing trees, vegetation, and benches; support businesses to create more interesting outdoor spaces to encourage pedestrian traffic. 	Need grant?-plan	Plan	(i.) Town of Salem, Town of Southborough, MA: walking school bus; (ii.) FHWA Pedestrian and Bicycle Safety (http://safety.fhwa.dot.gov/ped_bike/ped_cmnity/ped_walkguide/resource3.cfm); (iii.) Safe Routes to School (http://www.saferoutespartnership.org)	Land Use; Housing; Economic Development; Public Facilities, Services, and Energy	Long (>5 years)	\$555 (\$-250,000)	Y - Sidewalk Replacement Fund. Other possibilities: Private funding, Chapter 90, STIP*, MassWorks Grant*	New Strategy	Planning/DPW/SGIC+Plannings & Bd as needed + 75GIC
2. Transport	Goal #4: The entire community will have enhanced walkability.	6. Develop a Town wide Walkability	The automobile is the primary mode of transport	<ul style="list-style-type: none"> Require new development to include sidewalks, and to connect to municipal sidewalks where feasible. Incorporate these and other initiatives as part of the Town's Major Development Review process. 	Need grant?-plan	Plan	(i.) Town of Salem, Town of Southborough, MA: walking school bus; (ii.) FHWA Pedestrian and Bicycle Safety (http://safety.fhwa.dot.gov/ped_bike/ped_cmnity/ped_walkguide/resource3.cfm); (iii.) Safe Routes to School (http://www.saferoutespartnership.org)	Land Use; Housing; Economic Development; Public Facilities, Services, and Energy	Long (>5 years)	\$555 (\$-250,000)	Y - Sidewalk Replacement Fund. Other possibilities: Private funding, Chapter 90, STIP*, MassWorks Grant*	New Strategy	Planning/DPW/SGIC+Plannings & Bd as needed + 75GIC
2. Transport	Goal #4: The entire community will have enhanced walkability.	7. Adopt initiatives from federal and state programs to enhance walkability.	The Town shall maintain communication with MassDOT and the FRCOG to stay informed on new policies and directives that promote walkability and improve pedestrian connectivity to all residential neighborhoods from major nodes in town or the downtown.	SEE BELOW	Need grant?-plan	Policy	Various MassDOT and FHWA programs	Housing	Mid (2-5 years)	\$ (under \$20,000)	N Possibilities: FHWA, Chp 90, STIP*	New Strategy	Planning/DPW/SGIC/GPS/75GIC
2. Transport	Goal #4: The entire community will have enhanced walkability.	7. Adopt initiatives from federal and state programs to enhance walkability.	The Town shall maintain communication with MassDOT and the FRCOG to stay informed on new policies and directives that promote walkability and improve pedestrian connectivity to all residential neighborhoods from major nodes in town or the downtown.	<ul style="list-style-type: none"> Encourage initiatives in the Mass Department of Transportation / Federal Highway Administration's Complete Streets Programs 	Need grant?-plan	Policy	Various MassDOT and FHWA programs	Housing	Mid (2-5 years)	\$ (under \$20,000)	N Possibilities: FHWA, Chp 90, STIP*	New Strategy	Planning/DPW/SGIC/GPS/75GIC
2. Transport	Goal #4: The entire community will have enhanced walkability.	7. Adopt initiatives from federal and state programs to enhance walkability.	The Town shall maintain communication with MassDOT and the FRCOG to stay informed on new policies and directives that promote walkability and improve pedestrian connectivity to all residential neighborhoods from major nodes in town or the downtown.	<ul style="list-style-type: none"> Encourage initiatives in MassDOT's Green DOT Policy 	Need grant?-plan	Policy	Various MassDOT and FHWA programs	Housing	Mid (2-5 years)	\$ (under \$20,000)	N Possibilities: FHWA, Chp 90, STIP*	New Strategy	Planning/DPW/SGIC/GPS/75GIC
2. Transport	Goal #4: The entire community will have enhanced walkability.	7. Adopt initiatives from federal and state programs to enhance walkability.	The Town shall maintain communication with MassDOT and the FRCOG to stay informed on new policies and directives that promote walkability and improve pedestrian connectivity to all residential neighborhoods from major nodes in town or the downtown.	<ul style="list-style-type: none"> Implement Safe Routes to School (Safe Routes to School is a comprehensive federal program for K-8th graders) and "Walking Bus" initiatives to increase non-automotive travel to and from school. 	Need grant?-plan	Policy	Various MassDOT and FHWA programs	Housing	Mid (2-5 years)	\$ (under \$20,000)	N Possibilities: FHWA, Chp 90, STIP*	New Strategy	Planning/DPW/SGIC/GPS/75GIC

Greenfield Sustainable Master Plan
Transportation Implementation Table

Element	Goal	Strategy	Description of Strategy	Implementation Actions	STATUS Done? In process?	Policy, Program, Plan or Infrastructure Action	Best Practices and Resources	Additional Element(s) this Strategy Addresses	Time to Implement (Short, Mid, Long Term)	Estimated Cost (\$, \$\$\$, \$\$\$\$)	Existing Implementation Funding Available? (Y/N and Description)	New Strategy or Part of Another Plan? (List Plan)	Lead Department or Stakeholder
2. Transport	Goal #5: Our town will be a place where people of all ages can safely use bicycles for transportation and recreation.	8. Create and implement a Greenfield Bikes Initiative Program.	This strategy shall begin with establishing a bike committee that will oversee the development of a bike master plan. As part of this master plan further studies will be needed to develop improvement plans that accommodate bicyclists and are used to build consensus with key stakeholders before implementation.	SEE BELOW	In process- GfD Bike Committee wking FRCOG to find grant	Program	(i) Boston Bikes (http://www.cityofboston.gov/bikes/); (ii) Smith College Bicycle Kitchen (http://japhia.smith.edu/bikekitchen/Bike_Kitchen_Site/index.html)	Land Use and Housing	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: CDBG*, MassWorks Grant*	New Strategy	Planning/Recreation/FRCOG/GPS Administration/SGIC+Greenfield Bike Committee+Planning Bd as needed
2. Transport	Goal #5: Our town will be a place where people of all ages can safely use bicycles for transportation and recreation.	8. Create and implement a Greenfield Bikes Initiative Program.	This strategy shall begin with establishing a bike committee that will oversee the development of a bike master plan. As part of this master plan further studies will be needed to develop improvement plans that accommodate bicyclists and are used to build consensus with key stakeholders before implementation.	Develop a town wide bike master plan.	In process- GfD Bike Committee wking FRCOG to find grant	Program	(i) Boston Bikes (http://www.cityofboston.gov/bikes/); (ii) Smith College Bicycle Kitchen (http://japhia.smith.edu/bikekitchen/Bike_Kitchen_Site/index.html)	Land Use and Housing	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: CDBG*, MassWorks Grant*	New Strategy	Planning/Recreation/FRCOG/GPS Administration/SGIC+Greenfield Bike Committee+Planning Bd as needed
2. Transport	Goal #5: Our town will be a place where people of all ages can safely use bicycles for transportation and recreation.	8. Create and implement a Greenfield Bikes Initiative Program.	This strategy shall begin with establishing a bike committee that will oversee the development of a bike master plan. As part of this master plan further studies will be needed to develop improvement plans that accommodate bicyclists and are used to build consensus with key stakeholders before implementation.	Establish a Bicycle Committee. FY1 (Citizen Greenfield Bike Committee formed in 2014)	In process- GfD Bike Committee wking FRCOG to find grant	Program	(i) Boston Bikes (http://www.cityofboston.gov/bikes/); (ii) Smith College Bicycle Kitchen (http://japhia.smith.edu/bikekitchen/Bike_Kitchen_Site/index.html)	Land Use and Housing	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: CDBG*, MassWorks Grant*	New Strategy	Planning/Recreation/FRCOG/GPS Administration/SGIC+Greenfield Bike Committee+Planning Bd as needed
2. Transport	Goal #5: Our town will be a place where people of all ages can safely use bicycles for transportation and recreation.	8. Create and implement a Greenfield Bikes Initiative Program.	This strategy shall begin with establishing a bike committee that will oversee the development of a bike master plan. As part of this master plan further studies will be needed to develop improvement plans that accommodate bicyclists and are used to build consensus with key stakeholders before implementation.	Inventory and increase the amount of designated bike parking, coordinating public/private resources; especially in the downtown.	In process- GfD Bike Committee wking FRCOG to find grant	Program	(i) Boston Bikes (http://www.cityofboston.gov/bikes/); (ii) Smith College Bicycle Kitchen (http://japhia.smith.edu/bikekitchen/Bike_Kitchen_Site/index.html)	Land Use and Housing	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: CDBG*, MassWorks Grant*	New Strategy	Planning/Recreation/FRCOG/GPS Administration/SGIC+Greenfield Bike Committee+Planning Bd as needed
2. Transport	Goal #5: Our town will be a place where people of all ages can safely use bicycles for transportation and recreation.	8. Create and implement a Greenfield Bikes Initiative Program.	This strategy shall begin with establishing a bike committee that will oversee the development of a bike master plan. As part of this master plan further studies will be needed to develop improvement plans that accommodate bicyclists and are used to build consensus with key stakeholders before implementation.	Implement Urban River Visions plan for path along Green River.	In process- GfD Bike Committee wking FRCOG to find grant	Program	(i) Boston Bikes (http://www.cityofboston.gov/bikes/); (ii) Smith College Bicycle Kitchen (http://japhia.smith.edu/bikekitchen/Bike_Kitchen_Site/index.html)	Land Use and Housing	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: CDBG*, MassWorks Grant*	New Strategy	Planning/Recreation/FRCOG/GPS Administration/SGIC+Greenfield Bike Committee+Planning Bd as needed
2. Transport	Goal #5: Our town will be a place where people of all ages can safely use bicycles for transportation and recreation.	8. Create and implement a Greenfield Bikes Initiative Program.	This strategy shall begin with establishing a bike committee that will oversee the development of a bike master plan. As part of this master plan further studies will be needed to develop improvement plans that accommodate bicyclists and are used to build consensus with key stakeholders before implementation.	Support Franklin County's bike tourism that will: (i.) lobby with Amtrak for bicycle access to trains; (ii.) seek/encourage bike rental/bike share service located at Transit Center; (iii.) promote and market Franklin County Bikeway; and (iv.) explore improved on-/off-road bicycle connection to Old Deerfield.	In process- GfD Bike Committee wking FRCOG to find grant	Program	(i) Boston Bikes (http://www.cityofboston.gov/bikes/); (ii) Smith College Bicycle Kitchen (http://japhia.smith.edu/bikekitchen/Bike_Kitchen_Site/index.html)	Land Use and Housing	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: CDBG*, MassWorks Grant*	New Strategy	Planning/Recreation/FRCOG/GPS Administration/SGIC+Greenfield Bike Committee+Planning Bd as needed
2. Transport	Goal #5: Our town will be a place where people of all ages can safely use bicycles for transportation and recreation.	8. Create and implement a Greenfield Bikes Initiative Program.	This strategy shall begin with establishing a bike committee that will oversee the development of a bike master plan. As part of this master plan further studies will be needed to develop improvement plans that accommodate bicyclists and are used to build consensus with key stakeholders before implementation.	Seek/encourage pedal-powered services.	In process- GfD Bike Committee wking FRCOG to find grant	Program	(i) Boston Bikes (http://www.cityofboston.gov/bikes/); (ii) Smith College Bicycle Kitchen (http://japhia.smith.edu/bikekitchen/Bike_Kitchen_Site/index.html)	Land Use and Housing	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: CDBG*, MassWorks Grant*	New Strategy	Planning/Recreation/FRCOG/GPS Administration/SGIC+Greenfield Bike Committee+Planning Bd as needed
2. Transport	Goal #5: Our town will be a place where people of all ages can safely use bicycles for transportation and recreation.	8. Create and implement a Greenfield Bikes Initiative Program.	This strategy shall begin with establishing a bike committee that will oversee the development of a bike master plan. As part of this master plan further studies will be needed to develop improvement plans that accommodate bicyclists and are used to build consensus with key stakeholders before implementation.	Endorse Senate bills # 1639 "An Act to Protect Vulnerable Road Users" and #1640 "The Act to Protect Bicyclists in Bicycle Lanes".	In process- GfD Bike Committee wking FRCOG to find grant	Program	(i) Boston Bikes (http://www.cityofboston.gov/bikes/); (ii) Smith College Bicycle Kitchen (http://japhia.smith.edu/bikekitchen/Bike_Kitchen_Site/index.html)	Land Use and Housing	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: CDBG*, MassWorks Grant*	New Strategy	Planning/Recreation/FRCOG/GPS Administration/SGIC+Greenfield Bike Committee+Planning Bd as needed
2. Transport	Goal #5: Our town will be a place where people of all ages can safely use bicycles for transportation and recreation.	8. Create and implement a Greenfield Bikes Initiative Program.	This strategy shall begin with establishing a bike committee that will oversee the development of a bike master plan. As part of this master plan further studies will be needed to develop improvement plans that accommodate bicyclists and are used to build consensus with key stakeholders before implementation.	Implement Complete Streets Initiatives and evaluate options to add bike lanes to all major corridors with sufficient width.	In process- GfD Bike Committee wking FRCOG to find grant	Program	(i) Boston Bikes (http://www.cityofboston.gov/bikes/); (ii) Smith College Bicycle Kitchen (http://japhia.smith.edu/bikekitchen/Bike_Kitchen_Site/index.html)	Land Use and Housing	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: CDBG*, MassWorks Grant*	New Strategy	Planning/Recreation/FRCOG/GPS Administration/SGIC+Greenfield Bike Committee+Planning Bd as needed
2. Transport	Goal #5: Our town will be a place where people of all ages can safely use bicycles for transportation and recreation.	8. Create and implement a Greenfield Bikes Initiative Program.	This strategy shall begin with establishing a bike committee that will oversee the development of a bike master plan. As part of this master plan further studies will be needed to develop improvement plans that accommodate bicyclists and are used to build consensus with key stakeholders before implementation.	Place "Share the Road" signs (and appropriate pavement markings/"sharrows") on all major corridors that can't accommodate bike lanes.	In process- GfD Bike Committee wking FRCOG to find grant	Program	(i) Boston Bikes (http://www.cityofboston.gov/bikes/); (ii) Smith College Bicycle Kitchen (http://japhia.smith.edu/bikekitchen/Bike_Kitchen_Site/index.html)	Land Use and Housing	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: CDBG*, MassWorks Grant*	New Strategy	Planning/Recreation/FRCOG/GPS Administration/SGIC+Greenfield Bike Committee+Planning Bd as needed
2. Transport	Goal #5: Our town will be a place where people of all ages can safely use bicycles for transportation and recreation.	8. Create and implement a Greenfield Bikes Initiative Program.	This strategy shall begin with establishing a bike committee that will oversee the development of a bike master plan. As part of this master plan further studies will be needed to develop improvement plans that accommodate bicyclists and are used to build consensus with key stakeholders before implementation.	Further evaluate 2001 Bikeway Committee recommendation for town Designated Bike Route signage.	In process- GfD Bike Committee wking FRCOG to find grant	Program	(i) Boston Bikes (http://www.cityofboston.gov/bikes/); (ii) Smith College Bicycle Kitchen (http://japhia.smith.edu/bikekitchen/Bike_Kitchen_Site/index.html)	Land Use and Housing	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: CDBG*, MassWorks Grant*	New Strategy	Planning/Recreation/FRCOG/GPS Administration/SGIC+Greenfield Bike Committee+Planning Bd as needed
2. Transport	Goal #5: Our town will be a place where people of all ages can safely use bicycles for transportation and recreation.	8. Create and implement a Greenfield Bikes Initiative Program.	This strategy shall begin with establishing a bike committee that will oversee the development of a bike master plan. As part of this master plan further studies will be needed to develop improvement plans that accommodate bicyclists and are used to build consensus with key stakeholders before implementation.	Create bicycle boulevards ("streets with low motorized traffic volumes and speeds, designated and designed to give bicycle travel priority" -- Urban Bikeway Design Guide); most obvious candidate is Franklin/North Streets, parallel between busy Federal & High Streets and providing a link to the Federal Street & Middle schools.	In process- GfD Bike Committee wking FRCOG to find grant	Program	(i) Boston Bikes (http://www.cityofboston.gov/bikes/); (ii) Smith College Bicycle Kitchen (http://japhia.smith.edu/bikekitchen/Bike_Kitchen_Site/index.html)	Land Use and Housing	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: CDBG*, MassWorks Grant*	New Strategy	Planning/Recreation/FRCOG/GPS Administration/SGIC+Greenfield Bike Committee+Planning Bd as needed
2. Transport	Goal #5: Our town will be a place where people of all ages can safely use bicycles for transportation and recreation.	8. Create and implement a Greenfield Bikes Initiative Program.	This strategy shall begin with establishing a bike committee that will oversee the development of a bike master plan. As part of this master plan further studies will be needed to develop improvement plans that accommodate bicyclists and are used to build consensus with key stakeholders before implementation.	Endorse and disseminate the "SameRoadsSameRules" driver/cyclist education campaign (created by the Massachusetts Bike Committee in partnership with MassDOT) including outreach to drivers' education programs and the Registry of Motor Vehicles.	In process- GfD Bike Committee wking FRCOG to find grant	Program	(i) Boston Bikes (http://www.cityofboston.gov/bikes/); (ii) Smith College Bicycle Kitchen (http://japhia.smith.edu/bikekitchen/Bike_Kitchen_Site/index.html)	Land Use and Housing	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: CDBG*, MassWorks Grant*	New Strategy	Planning/Recreation/FRCOG/GPS Administration/SGIC+Greenfield Bike Committee+Planning Bd as needed
2. Transport	Goal #5: Our town will be a place where people of all ages can safely use bicycles for transportation and recreation.	8. Create and implement a Greenfield Bikes Initiative Program.	This strategy shall begin with establishing a bike committee that will oversee the development of a bike master plan. As part of this master plan further studies will be needed to develop improvement plans that accommodate bicyclists and are used to build consensus with key stakeholders before implementation.	Expand Safe Routes to School implementation to include biking to school.	In process- GfD Bike Committee wking FRCOG to find grant	Program	(i) Boston Bikes (http://www.cityofboston.gov/bikes/); (ii) Smith College Bicycle Kitchen (http://japhia.smith.edu/bikekitchen/Bike_Kitchen_Site/index.html)	Land Use and Housing	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: CDBG*, MassWorks Grant*	New Strategy	Planning/Recreation/FRCOG/GPS Administration/SGIC+Greenfield Bike Committee+Planning Bd as needed
2. Transport	Goal #5: Our town will be a place where people of all ages can safely use bicycles for transportation and recreation.	8. Create and implement a Greenfield Bikes Initiative Program.	This strategy shall begin with establishing a bike committee that will oversee the development of a bike master plan. As part of this master plan further studies will be needed to develop improvement plans that accommodate bicyclists and are used to build consensus with key stakeholders before implementation.	Encourage the development of a bike-share program; develop a feasibility study to justify and locate areas to implement bike-share program.	In process- GfD Bike Committee wking FRCOG to find grant	Program	(i) Boston Bikes (http://www.cityofboston.gov/bikes/); (ii) Smith College Bicycle Kitchen (http://japhia.smith.edu/bikekitchen/Bike_Kitchen_Site/index.html)	Land Use and Housing	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: CDBG*, MassWorks Grant*	New Strategy	Planning/Recreation/FRCOG/GPS Administration/SGIC+Greenfield Bike Committee+Planning Bd as needed
2. Transport	Goal #6: There will be dramatically increased ridership of all forms of public transportation, which will offer expanded service and accessibility.	9. Increase collaboration with public transit and improve connections between public transit and other modes of travel.	Collaboration is the key to success for this strategy as public transit services have limited funding available to expand new services and enhancements. This strategy goes hand and hand with other strategies such as improving sidewalk connectivity for residents so that better access to transit can be provided. Also, transportation improvements at intersections are key to keep buses moving and on schedule.	SEE BELOW	In process + DONE-Amtrak N/S working	Plan	(i) Franklin Regional Transit Authority (FRTA), (ii) Pioneer Valley Transit Authority (PVTa) and (iii) MassDOT Rail and Transit Division (http://www.massdot.state.ma.us/transit/)	Land Use and Economic Development	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: STIP*, MassWorks Grant*	New Strategy	Planning/DPW/FRTA
2. Transport	Goal #6: There will be dramatically increased ridership of all forms of public transportation, which will offer expanded service and accessibility.	9. Increase collaboration with public transit and improve connections between public transit and other modes of travel.	Collaboration is the key to success for this strategy as public transit services have limited funding available to expand new services and enhancements. This strategy goes hand and hand with other strategies such as improving sidewalk connectivity for residents so that better access to transit can be provided. Also, transportation improvements at intersections are key to keep buses moving and on schedule.	Create a Transit Committee. (OR participate in existing FRTA meetings??)	In process + DONE-Amtrak N/S working	Plan	(i) Franklin Regional Transit Authority (FRTA), (ii) Pioneer Valley Transit Authority (PVTa) and (iii) MassDOT Rail and Transit Division (http://www.massdot.state.ma.us/transit/)	Land Use and Economic Development	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: STIP*, MassWorks Grant*	New Strategy	Planning/DPW/FRTA

Greenfield Sustainable Master Plan
Transportation Implementation Table

Element	Goal	Strategy	Description of Strategy	Implementation Actions	STATUS Done? In process?	Policy, Program, Plan or Infrastructure Action	Best Practices and Resources	Additional Element(s) this Strategy Addresses	Time to Implement (\$hort, Mid, Long Term)	Estimated Cost (\$, \$\$\$, \$\$\$\$)	Existing Implementation Funding Available? (Y/N and Description)	New Strategy or Part of Another Plan? (List Plan)	Lead Department or Stakeholder
2. Transport	Goal #6: There will be 9.	9. Increase collaboration with public	Collaboration is the key to success for this strategy	<ul style="list-style-type: none"> Support and participate in marketing campaigns for FRTA and passenger rail services. 	In process + DONE-Amtrak N/S working	Plan	(i) Franklin Regional Transit Authority (FRTA), (ii) Pioneer Valley Transit Authority (PVT) and (iii) MassDOT Rail and Transit Division (http://www.massdot.state.ma.us/transt/)	Land Use and Economic Development	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: STIP*, MassWorks Grant*	New Strategy	Planning/DPW/FRTA
2. Transport	Goal #6: There will be 9.	9. Increase collaboration with public	Collaboration is the key to success for this strategy	<ul style="list-style-type: none"> Support increase in FRTA amenities (labeled stops, bus shelters, interactive and Wi-Fi technology). 	In process + DONE-Amtrak N/S working	Plan	(i) Franklin Regional Transit Authority (FRTA), (ii) Pioneer Valley Transit Authority (PVT) and (iii) MassDOT Rail and Transit Division (http://www.massdot.state.ma.us/transt/)	Land Use and Economic Development	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: STIP*, MassWorks Grant*	New Strategy	Planning/DPW/FRTA
2. Transport	Goal #6: There will be 9.	9. Increase collaboration with public	Collaboration is the key to success for this strategy	<ul style="list-style-type: none"> Support increase in frequency of in-town bus route. 	In process + DONE-Amtrak N/S working	Plan	(i) Franklin Regional Transit Authority (FRTA), (ii) Pioneer Valley Transit Authority (PVT) and (iii) MassDOT Rail and Transit Division (http://www.massdot.state.ma.us/transt/)	Land Use and Economic Development	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: STIP*, MassWorks Grant*	New Strategy	Planning/DPW/FRTA
2. Transport	Goal #6: There will be 9.	9. Increase collaboration with public	Collaboration is the key to success for this strategy	<ul style="list-style-type: none"> Support the resumption of evening and Saturday FRTA service. 	In process + DONE-Amtrak N/S working	Plan	(i) Franklin Regional Transit Authority (FRTA), (ii) Pioneer Valley Transit Authority (PVT) and (iii) MassDOT Rail and Transit Division (http://www.massdot.state.ma.us/transt/)	Land Use and Economic Development	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: STIP*, MassWorks Grant*	New Strategy	Planning/DPW/FRTA
2. Transport	Goal #6: There will be 9.	9. Increase collaboration with public	Collaboration is the key to success for this strategy	<ul style="list-style-type: none"> Support expansion of FRTA routes to Bernardston/Northfield and Conway/Ashfield. 	In process + DONE-Amtrak N/S working	Plan	(i) Franklin Regional Transit Authority (FRTA), (ii) Pioneer Valley Transit Authority (PVT) and (iii) MassDOT Rail and Transit Division (http://www.massdot.state.ma.us/transt/)	Land Use and Economic Development	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: STIP*, MassWorks Grant*	New Strategy	Planning/DPW/FRTA
2. Transport	Goal #6: There will be 9.	9. Increase collaboration with public	Collaboration is the key to success for this strategy	<ul style="list-style-type: none"> Explore creating ordinance mandating vehicles yield to buses pulling out into traffic. 	In process + DONE-Amtrak N/S working	Plan	(i) Franklin Regional Transit Authority (FRTA), (ii) Pioneer Valley Transit Authority (PVT) and (iii) MassDOT Rail and Transit Division (http://www.massdot.state.ma.us/transt/)	Land Use and Economic Development	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: STIP*, MassWorks Grant*	New Strategy	Planning/DPW/FRTA
2. Transport	Goal #6: There will be 9.	9. Increase collaboration with public	Collaboration is the key to success for this strategy	<ul style="list-style-type: none"> Increase opportunities to come and go from Greenfield: (Dec 2014--Amtrak N/S service resumed!) 	In process + DONE-Amtrak N/S working	Plan	(i) Franklin Regional Transit Authority (FRTA), (ii) Pioneer Valley Transit Authority (PVT) and (iii) MassDOT Rail and Transit Division (http://www.massdot.state.ma.us/transt/)	Land Use and Economic Development	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: STIP*, MassWorks Grant*	New Strategy	Planning/DPW/FRTA
2. Transport	Goal #6: There will be 9.	9. Increase collaboration with public	Collaboration is the key to success for this strategy	<ul style="list-style-type: none"> Lobby for multiple daily trips on Amtrak's north/south route. 	In process + DONE-Amtrak N/S working	Plan	(i) Franklin Regional Transit Authority (FRTA), (ii) Pioneer Valley Transit Authority (PVT) and (iii) MassDOT Rail and Transit Division (http://www.massdot.state.ma.us/transt/)	Land Use and Economic Development	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: STIP*, MassWorks Grant*	New Strategy	Planning/DPW/FRTA
2. Transport	Goal #6: There will be 9.	9. Increase collaboration with public	Collaboration is the key to success for this strategy	<ul style="list-style-type: none"> Work toward development of an east/west passenger rail or bus route. 	In process + DONE-Amtrak N/S working	Plan	(i) Franklin Regional Transit Authority (FRTA), (ii) Pioneer Valley Transit Authority (PVT) and (iii) MassDOT Rail and Transit Division (http://www.massdot.state.ma.us/transt/)	Land Use and Economic Development	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: STIP*, MassWorks Grant*	New Strategy	Planning/DPW/FRTA
2. Transport	Goal #6: There will be 9.	9. Increase collaboration with public	Collaboration is the key to success for this strategy	<ul style="list-style-type: none"> Support increased awareness of and access to commercial bus lines. 	In process + DONE-Amtrak N/S working	Plan	(i) Franklin Regional Transit Authority (FRTA), (ii) Pioneer Valley Transit Authority (PVT) and (iii) MassDOT Rail and Transit Division (http://www.massdot.state.ma.us/transt/)	Land Use and Economic Development	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: STIP*, MassWorks Grant*	New Strategy	Planning/DPW/FRTA
2. Transport	Goal #6: There will be 9.	9. Increase collaboration with public	Collaboration is the key to success for this strategy	<ul style="list-style-type: none"> Advocate for bicycle access on trains and commercial buses. (Greenfield Bike Committee) 	In process + DONE-Amtrak N/S working	Plan	(i) Franklin Regional Transit Authority (FRTA), (ii) Pioneer Valley Transit Authority (PVT) and (iii) MassDOT Rail and Transit Division (http://www.massdot.state.ma.us/transt/)	Land Use and Economic Development	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: STIP*, MassWorks Grant*	New Strategy	Planning/DPW/FRTA
2. Transport	Goal #6: There will be 9.	9. Increase collaboration with public	Collaboration is the key to success for this strategy	<ul style="list-style-type: none"> Build municipal parking garage as connection to trains/buses. (\$\$ secured for garage, Hapco building coming down soon to make space) 	In process + DONE-Amtrak N/S working	Plan	(i) Franklin Regional Transit Authority (FRTA), (ii) Pioneer Valley Transit Authority (PVT) and (iii) MassDOT Rail and Transit Division (http://www.massdot.state.ma.us/transt/)	Land Use and Economic Development	Long (>5 years)	\$555 (-\$250,000)	N Possibilities: STIP*, MassWorks Grant*	New Strategy	Planning/DPW/FRTA
2. Transport	Goal #7: Fuel use, climate change emissions, and air pollution of vehicles will be reduced.	10. Develop a Transportation Demand Management Program (an approach that emphasizes the movement of people and goods rather than vehicles, increasing efficiency by expanding travel options and encouraging a shift from single-occupant vehicles).	The TDM Program is an approach that emphasizes the movement of people and goods rather than vehicles, increasing efficiency by expanding travel options and encouraging a shift from single-occupant vehicles. This can be encouraged through the Major Development Review process when new developments are proposed in Town.	SEE BELOW	Need grant?-Plan	Program	Cambridge, MA: Parking and Transportation Management Ordinance	Land Use	Mid (2-5 years)	\$55 (\$100,001 - \$250,000)	N	New Strategy	Planning/DPW/FRCOG/GBA/ Mayor's Office -Planning Bd as needed
2. Transport	Goal #7: Fuel use, climate change emissions, and air pollution of vehicles will be reduced.	10. Develop a Transportation Demand Management Program (an approach that emphasizes the movement of people and goods rather than vehicles, increasing efficiency by expanding travel options and encouraging a shift from single-occupant vehicles).	The TDM Program is an approach that emphasizes the movement of people and goods rather than vehicles, increasing efficiency by expanding travel options and encouraging a shift from single-occupant vehicles. This can be encouraged through the Major Development Review process when new developments are proposed in Town.	<ul style="list-style-type: none"> Work with businesses to develop shared parking areas and connections, which could allow developments to increase building or landscape areas with less parking, which would normally make a site non-conforming to zoning. 	Need grant?-Plan	Program	Cambridge, MA: Parking and Transportation Management Ordinance	Land Use	Mid (2-5 years)	\$55 (\$100,001 - \$250,000)	N	New Strategy	Planning/DPW/FRCOG/GBA/ Mayor's Office -Planning Bd as needed
2. Transport	Goal #7: Fuel use, climate change emissions, and air pollution of vehicles will be reduced.	10. Develop a Transportation Demand Management Program (an approach that emphasizes the movement of people and goods rather than vehicles, increasing efficiency by expanding travel options and encouraging a shift from single-occupant vehicles).	The TDM Program is an approach that emphasizes the movement of people and goods rather than vehicles, increasing efficiency by expanding travel options and encouraging a shift from single-occupant vehicles. This can be encouraged through the Major Development Review process when new developments are proposed in Town.	<ul style="list-style-type: none"> Lead a public education campaign about the health, economic, and environmental benefits of people-powered transport: public transit, car-pooling and ride-sharing, and using low-emission and fuel-efficient vehicles. (Greenfield Bike Committee + YMCA's walk program could at least start this) 	Need grant?-Plan	Program	Cambridge, MA: Parking and Transportation Management Ordinance	Land Use	Mid (2-5 years)	\$55 (\$100,001 - \$250,000)	N	New Strategy	Planning/DPW/FRCOG/GBA/ Mayor's Office -Planning Bd as needed
2. Transport	Goal #7: Fuel use, climate change emissions, and air pollution of vehicles will be reduced.	10. Develop a Transportation Demand Management Program (an approach that emphasizes the movement of people and goods rather than vehicles, increasing efficiency by expanding travel options and encouraging a shift from single-occupant vehicles).	The TDM Program is an approach that emphasizes the movement of people and goods rather than vehicles, increasing efficiency by expanding travel options and encouraging a shift from single-occupant vehicles. This can be encouraged through the Major Development Review process when new developments are proposed in Town.	<ul style="list-style-type: none"> Ensure that non-motorized travel and public transit are addressed in every development and re-development project. 	Need grant?-Plan	Program	Cambridge, MA: Parking and Transportation Management Ordinance	Land Use	Mid (2-5 years)	\$55 (\$100,001 - \$250,000)	N	New Strategy	Planning/DPW/FRCOG/GBA/ Mayor's Office -Planning Bd as needed
2. Transport	Goal #7: Fuel use, climate change emissions, and air pollution of vehicles will be reduced.	10. Develop a Transportation Demand Management Program (an approach that emphasizes the movement of people and goods rather than vehicles, increasing efficiency by expanding travel options and encouraging a shift from single-occupant vehicles).	The TDM Program is an approach that emphasizes the movement of people and goods rather than vehicles, increasing efficiency by expanding travel options and encouraging a shift from single-occupant vehicles. This can be encouraged through the Major Development Review process when new developments are proposed in Town.	<ul style="list-style-type: none"> Facilitate car-pooling to reduce single occupancy vehicles (for example, through information about electronic ride-sharing services, creating ride-share lots). 	Need grant?-Plan	Program	Cambridge, MA: Parking and Transportation Management Ordinance	Land Use	Mid (2-5 years)	\$55 (\$100,001 - \$250,000)	N	New Strategy	Planning/DPW/FRCOG/GBA/ Mayor's Office -Planning Bd as needed
2. Transport	Goal #7: Fuel use, climate change emissions, and air pollution of vehicles will be reduced.	10. Develop a Transportation Demand Management Program (an approach that emphasizes the movement of people and goods rather than vehicles, increasing efficiency by expanding travel options and encouraging a shift from single-occupant vehicles).	The TDM Program is an approach that emphasizes the movement of people and goods rather than vehicles, increasing efficiency by expanding travel options and encouraging a shift from single-occupant vehicles. This can be encouraged through the Major Development Review process when new developments are proposed in Town.	<ul style="list-style-type: none"> Encourage employers to offer telecommuting to their employees. 	Need grant?-Plan	Program	Cambridge, MA: Parking and Transportation Management Ordinance	Land Use	Mid (2-5 years)	\$55 (\$100,001 - \$250,000)	N	New Strategy	Planning/DPW/FRCOG/GBA/ Mayor's Office -Planning Bd as needed

Greenfield Sustainable Master Plan
Transportation Implementation Table

Element	Goal	Strategy	Description of Strategy	Implementation Actions	STATUS Done? In process?	Policy, Program, Plan or Infrastructure Action	Best Practices and Resources	Additional Element(s) this Strategy Addresses	Time to Implement (\$ Short, Mid, Long Term)	Estimated Cost (\$, \$\$\$, \$\$\$\$)	Existing Implementation Funding Available? (Y/N and Description)	New Strategy or Part of Another Plan? (List Plan)	Lead Department or Stakeholder
2. Transport	Goal #7: Fuel use, climate	10. Develop a Transportation Demand Management Program	The TDM Program is an approach that	<ul style="list-style-type: none"> Strengthen and enforce anti-idling laws, increase public awareness about the negative impacts of idling. (DEP & Bike Committee & Greening Greenfield have started this) Improve infrastructure to support low-emission and alternative-fuel vehicles, such as electric vehicles, plug-in hybrids, and those that run on vegetable oil. (Town has installed Electric charging stations) 	Need grant?-Plan	Program	Cambridge, MA: Parking and Transportation Management Ordinance	Land Use	Mid (2-5 years)	\$55 (\$100,001 - \$250,000)	N	New Strategy	Planning/DPW/FRCOG/GBA/Mayor's Office-Planning Bd as needed
2. Transport	Goal #7: Fuel use, climate	10. Develop a Transportation Demand Management Program	The TDM Program is an approach that	<ul style="list-style-type: none"> Continue to purchase town vehicles that are right-sized for the job, low-emission and/or run on alternative fuels, to meet or exceed Green Community goals (Green Communities is a 2008 Massachusetts law requiring a participating municipality to purchase only fuel-efficient vehicles). 	Need grant?-Plan	Program	Cambridge, MA: Parking and Transportation Management Ordinance	Land Use	Mid (2-5 years)	\$55 (\$100,001 - \$250,000)	N	New Strategy	Planning/DPW/FRCOG/GBA/Mayor's Office-Planning Bd as needed
2. Transport	Goal #8: Transportation infrastructure will have minimal environmental impact wherever possible and will be made resilient to our changing environment.	11. Develop a Green Infrastructure Program	A Green Infrastructure Program presents an alternative approach to improving water quality that integrates "green infrastructure," such as rain gardens and permeable pavements, and planted medians to optimize the existing ecological system.	SEE BELOW	In process	Program	MassDOT GreenDOT Initiative (https://www.massdot.state.ma.us/GreenDOT.aspx)	Land Use and Public Facilities, Services, and Energy	Long (>5 years)	\$555 (>\$250,000)	N	New Strategy	Dept of Planning/DPW/FRCOG/Planning/Greenfield Tree Committee/7SGIC
2. Transport	Goal #8: Transportation	11. Develop a Green Infrastructure Program	A Green Infrastructure Program presents	<ul style="list-style-type: none"> Reduce impermeable (paved) surfaces for redevelopment projects where design allows which results in less water runoff. 	In process	Program	MassDOT GreenDOT Initiative (https://www.massdot.state.ma.us/GreenDOT.aspx)	Land Use and Public Facilities, Services, and Energy	Long (>5 years)	\$555 (>\$250,000)	N	New Strategy	Dept of Planning/DPW/FRCOG/Planning/Greenfield Tree Committee/7SGIC
2. Transport	Goal #8: Transportation	11. Develop a Green Infrastructure Program	A Green Infrastructure Program presents	<ul style="list-style-type: none"> Break up large expanses of pavement, exploring shared parking areas, parking maximums as well as minimums for development. 	In process	Program	MassDOT GreenDOT Initiative (https://www.massdot.state.ma.us/GreenDOT.aspx)	Land Use and Public Facilities, Services, and Energy	Long (>5 years)	\$555 (>\$250,000)	N	New Strategy	Dept of Planning/DPW/FRCOG/Planning/Greenfield Tree Committee/7SGIC
2. Transport	Goal #8: Transportation	11. Develop a Green Infrastructure Program	A Green Infrastructure Program presents	<ul style="list-style-type: none"> Explore more creative solutions to access and circulation. 	In process	Program	MassDOT GreenDOT Initiative (https://www.massdot.state.ma.us/GreenDOT.aspx)	Land Use and Public Facilities, Services, and Energy	Long (>5 years)	\$555 (>\$250,000)	N	New Strategy	Dept of Planning/DPW/FRCOG/Planning/Greenfield Tree Committee/7SGIC
2. Transport	Goal #8: Transportation	11. Develop a Green Infrastructure Program	A Green Infrastructure Program presents	<ul style="list-style-type: none"> Increase the use of "green" infrastructure (planted medians, rain gardens, etc.) to improve water quality. 	In process	Program	MassDOT GreenDOT Initiative (https://www.massdot.state.ma.us/GreenDOT.aspx)	Land Use and Public Facilities, Services, and Energy	Long (>5 years)	\$555 (>\$250,000)	N	New Strategy	Dept of Planning/DPW/FRCOG/Planning/Greenfield Tree Committee/7SGIC
2. Transport	Goal #8: Transportation	11. Develop a Green Infrastructure Program	A Green Infrastructure Program presents	<ul style="list-style-type: none"> expand existing regulations for stormwater management to encourage more LID (Low Impact Development) design: <ul style="list-style-type: none"> lead the way by creative stormwater management in municipal parking lots (See "Streetscape Enhancement and Ecological Parking Lot Design" by the Conway School of Landscape Design, 2012) 	In process	Program	MassDOT GreenDOT Initiative (https://www.massdot.state.ma.us/GreenDOT.aspx)	Land Use and Public Facilities, Services, and Energy	Long (>5 years)	\$555 (>\$250,000)	N	New Strategy	Dept of Planning/DPW/FRCOG/Planning/Greenfield Tree Committee/7SGIC
2. Transport	Goal #8: Transportation	11. Develop a Green Infrastructure Program	A Green Infrastructure Program presents	<ul style="list-style-type: none"> Plant and maintain trees to reduce heat-island effect of paved surfaces and to improve the walkability and aesthetics of our developed areas. 	In process	Program	MassDOT GreenDOT Initiative (https://www.massdot.state.ma.us/GreenDOT.aspx)	Land Use and Public Facilities, Services, and Energy	Long (>5 years)	\$555 (>\$250,000)	N	New Strategy	Dept of Planning/DPW/FRCOG/Planning/Greenfield Tree Committee/7SGIC
2. Transport	Goal #8: Transportation	11. Develop a Green Infrastructure Program	A Green Infrastructure Program presents	<ul style="list-style-type: none"> develop an inventory of street trees (GIS); (2014-downtown section done) 	In process	Program	MassDOT GreenDOT Initiative (https://www.massdot.state.ma.us/GreenDOT.aspx)	Land Use and Public Facilities, Services, and Energy	Long (>5 years)	\$555 (>\$250,000)	N	New Strategy	Dept of Planning/DPW/FRCOG/Planning/Greenfield Tree Committee/7SGIC
2. Transport	Goal #8: Transportation	11. Develop a Green Infrastructure Program	A Green Infrastructure Program presents	<ul style="list-style-type: none"> create plan for increasing canopy, especially in the downtown area; 	In process	Program	MassDOT GreenDOT Initiative (https://www.massdot.state.ma.us/GreenDOT.aspx)	Land Use and Public Facilities, Services, and Energy	Long (>5 years)	\$555 (>\$250,000)	N	New Strategy	Dept of Planning/DPW/FRCOG/Planning/Greenfield Tree Committee/7SGIC
2. Transport	Goal #8: Transportation	11. Develop a Green Infrastructure Program	A Green Infrastructure Program presents	<ul style="list-style-type: none"> fund and plan for tree replacements; 	In process	Program	MassDOT GreenDOT Initiative (https://www.massdot.state.ma.us/GreenDOT.aspx)	Land Use and Public Facilities, Services, and Energy	Long (>5 years)	\$555 (>\$250,000)	N	New Strategy	Dept of Planning/DPW/FRCOG/Planning/Greenfield Tree Committee/7SGIC
2. Transport	Goal #8: Transportation	11. Develop a Green Infrastructure Program	A Green Infrastructure Program presents	<ul style="list-style-type: none"> explore feasibility of underground utilities to mitigate impact of trees around wires; 	In process	Program	MassDOT GreenDOT Initiative (https://www.massdot.state.ma.us/GreenDOT.aspx)	Land Use and Public Facilities, Services, and Energy	Long (>5 years)	\$555 (>\$250,000)	N	New Strategy	Dept of Planning/DPW/FRCOG/Planning/Greenfield Tree Committee/7SGIC
2. Transport	Goal #8: Transportation	11. Develop a Green Infrastructure Program	A Green Infrastructure Program presents	<ul style="list-style-type: none"> consider revoking blanket no-trees-in-tree belt ordinance. 	In process	Program	MassDOT GreenDOT Initiative (https://www.massdot.state.ma.us/GreenDOT.aspx)	Land Use and Public Facilities, Services, and Energy	Long (>5 years)	\$555 (>\$250,000)	N	New Strategy	Dept of Planning/DPW/FRCOG/Planning/Greenfield Tree Committee/7SGIC
2. Transport	Goal #8: Transportation	11. Develop a Green Infrastructure Program	A Green Infrastructure Program presents	<ul style="list-style-type: none"> Upgrade transportation infrastructure to be more resilient during severe storms and weather patterns. 	In process	Program	MassDOT GreenDOT Initiative (https://www.massdot.state.ma.us/GreenDOT.aspx)	Land Use and Public Facilities, Services, and Energy	Long (>5 years)	\$555 (>\$250,000)	N	New Strategy	Dept of Planning/DPW/FRCOG/Planning/Greenfield Tree Committee/7SGIC
2. Transport	Goal #8: Transportation	11. Develop a Green Infrastructure Program	A Green Infrastructure Program presents	<ul style="list-style-type: none"> Pursue construction of zero-net-energy buildings and collaboration between users when rebuilding/updating/constructing facilities for greater efficiencies of scale. 	In process	Program	MassDOT GreenDOT Initiative (https://www.massdot.state.ma.us/GreenDOT.aspx)	Land Use and Public Facilities, Services, and Energy	Long (>5 years)	\$555 (>\$250,000)	N	New Strategy	Dept of Planning/DPW/FRCOG/Planning/Greenfield Tree Committee/7SGIC
2. Transport	Goal #8: Transportation	11. Develop a Green Infrastructure Program	A Green Infrastructure Program presents	<ul style="list-style-type: none"> case in point: FRTA joining Greenfield DPW to construct a joint vehicle maintenance facility which could service vehicles with a variety of fuel sources, minimizing the environmental footprint while maximizing the capacity to use advanced alternative fuel technology. 	In process	Program	MassDOT GreenDOT Initiative (https://www.massdot.state.ma.us/GreenDOT.aspx)	Land Use and Public Facilities, Services, and Energy	Long (>5 years)	\$555 (>\$250,000)	N	New Strategy	Dept of Planning/DPW/FRCOG/Planning/Greenfield Tree Committee/7SGIC