

COMPLETE STREETS: SAFE, HEALTHY AND GREEN STREETS FOR ALL



Complete Green Streets

Anatomy of a Green Street

Pedestrian friendly

1000 cf soil volume for street tree tree boxes

Landscape areas

Permeable sidewalks

Transit oriented

Shielded,
Energy efficient street fixtures

Recycled materials used

Mature Street Trees

Compost amended soils

Permeable pavement in
parking lane

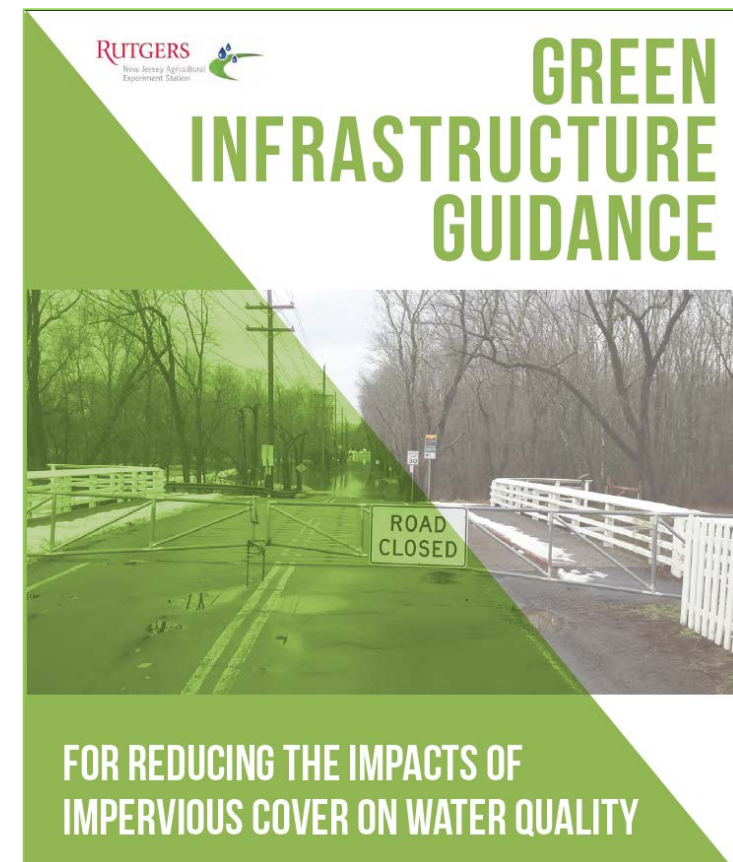
Bike Rack

Bike Lane

Permeable pavement
in transitway

Bioretention

Interpretative signs



Source: US EPA



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Health Benefits of Complete Streets Policies

- ❖ Reduction in rate of **chronic diseases** - diabetes, heart disease, depression etc.
- ❖ Improvement in **road safety**, reduction in injury & fatality rates
- ❖ Reduction in rates of **respiratory diseases** & asthma due to improved air quality
- ❖ Health & wellness benefits to disadvantaged communities through **improved access** to amenities & services
- ❖ Reduction in illnesses related to **water-borne diseases** due to improved storm water infiltration
- ❖ Development of **social capital** & community networking (mental health)





Health & Equity in All Complete Streets

- ❖ Foster improved physical & mental health
- ❖ Include public health professionals
- ❖ Assess community needs
- ❖ Specify health outcomes
- ❖ Address & prioritize needs of communities of concern/high need
- ❖ Monitor implementation & measure outcomes

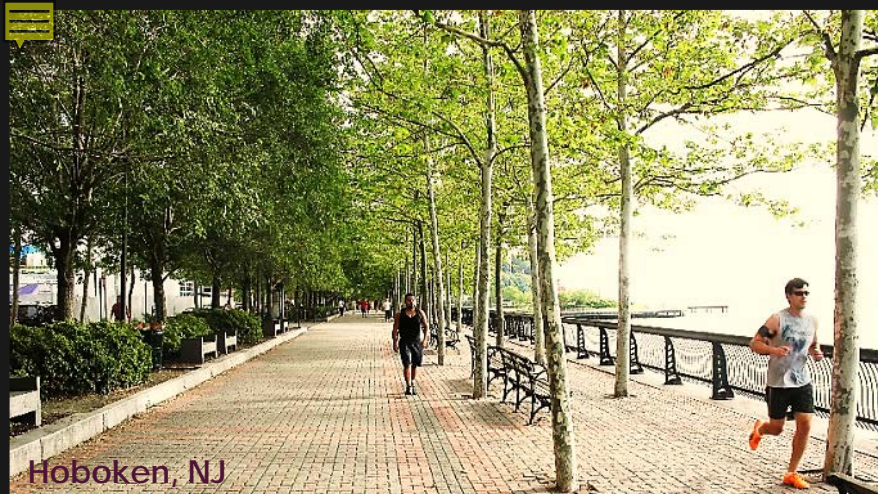




Sustainable Jersey & Complete Streets

- ❖ Municipalities applying for certification or recertification in 2017 and beyond will must apply under the **new actions** for points related to Complete Streets.
- ❖ Adopt Complete Streets – 10 points
- ❖ Institute Complete Streets - 10 points
 - Implementation project –5 point bonus





Hoboken, NJ



New Brunswick, NJ



Chesterfield, NJ



Madison, NJ



Garfield, NJ

SUSTAINABLE JERSEY ACTION

Adopt a Complete Streets Policy - 10 points



Adopt a Complete Streets Policy – Requirements

- ❖ The governing body must adopt a complete streets policy by resolution or ordinance.
- ❖ The resolution must reflect **all** of the items listed below to earn **10 points**:
 1. State an intent to plan, design, build & maintain all roads to meet the needs of all users.
 2. Specify that “all users” include pedestrians, bicyclists, transit & motorists of all ages & abilities.
 3. Commit to create a comprehensive, integrated, connected multi-modal transportation network within the community.
 4. Recognize the need for flexibility in that all streets are different; user needs must be balanced & fit into the context of the community.
 5. Apply to both new & retrofitted projects.



Adopt a Complete Streets Policy – Resolution Requirements (continued)

6. Include the following **8 statements** which acknowledge the potential benefits of complete streets:
“Whereas, complete streets have the potential for improving physical & mental health either directly or indirectly in the following ways:
 - 1) Incorporating physical activity into our daily lives by increasing pedestrian activity & bicycle use
 - 2) Reducing rates of several chronic diseases related to increases in physical activity from walking & bicycling. Key impacted diseases include diabetes, heart disease, depression, & cancer
 - 3) Reducing rates of injury & death from decreased traffic crashes & improved safety for all users
 - 4) Reducing rates of asthma & other respiratory issues due to improved air quality through emissions reductions & vegetative air filtration



Adopt a Complete Streets Policy – Resolution Requirements (continued)

6. Include the following language which acknowledge the potential benefits of complete streets (cont.):
 - 5) Multiplying health & wellness benefits resulting from improved access to necessary amenities for vulnerable populations
 - 6) Reducing risk of illnesses related to water-borne pathogens from improved storm water infiltration
 - 7) Increasing the sense of social connectivity & sense of community belonging
 - 8) Improving aesthetics through decorative & functional vegetation
7. The implementation section of the policy must articulate the intent of the community to consider public health during planning & design program phases.



Quick tips - Adopt a Complete Streets Policy

- ❖ Submit documentation that your policy was distributed to all municipal departments.
- ❖ Include a maintenance commitment in your resolution, new and retrofit projects.
- ❖ Health language is new and prescriptive.
- ❖ Create a Complete Streets workgroup that includes public health professional(s).
- ❖ If the policy is more than 3 years old, be sure to update and re-adopt with new language using the Sustainable Jersey action.
- ❖ Sample policies can be found on the NJ Bicycle and Pedestrian Resource Center website (njbikeped.org), however not all policies listed meet SJ requirements.

❖ NEW MODEL POLICY



Quick tips - Maintenance

- ❖ Points will not be awarded if maintenance is excluded
 - ❖ Snow/Leaf Removal
 - ❖ Resurfacing
 - ❖ Accommodations during construction





Action as Policy – Gibbsboro, Winslow & Voorhees Township

2016-5-81

RESOLUTION TO ADOPT AND ESTABLISH A COMPLETE STREETS POLICY FOR THE BOROUGH OF GIBBSBORO

WHEREAS, Complete Streets describe a comprehensive, integrated, connected and multi-modal transportation network with infrastructure and design that allow safe and convenient travel along and across streets for all users, including pedestrians, bicyclists, transit vehicle users, emergency responders, motorists, and people of all ages and abilities ; and,

WHEREAS, complete streets have the potential for improving physical and mental health either directly or indirectly in the following ways:

1. Incorporating physical activity into our daily lives by increasing pedestrian activity and bicycle use.
2. Reducing rates of several chronic diseases related to increases in physical activity from walking and bicycling. Key impacted diseases include diabetes, heart diseases, depression and some cancers.
3. Reducing rates of injury and death from decreased traffic issues due to improved air quality through emissions reductions and vegetative air filtration.
4. Reducing rates of asthma and other respiratory issues due to improved air quality through emissions reductions and vegetative air filtration.
5. Multiplying health and wellness benefits resulting from improved access to necessary amenities for vulnerable populations.
6. Reducing the risk of illnesses related to water-borne pathogens resulting from improved stormwater infiltration.
7. Increasing the sense of social connectivity and sense of community belonging.
8. Improving aesthetics through decorative and functional vegetation.

What they submitted for points:

- ❖ Incorporated physical & mental health language
- ❖ Statement that all planning & design studies shall consider public health
- ❖ Committee members that includes health professionals
- ❖ How CS policy meets Master Plan goals
- ❖ Complete Streets Checklist



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Madison, NJ



Haddonfield, NJ



South Orange, NJ



New Providence, NJ



Hoboken, NJ

SUSTAINABLE JERSEY ACTION

Institute Complete Streets - 10 Points



Institute Complete Streets Action

- ❖ New in 2016
- ❖ Adopt a Complete Streets action is a pre-requisite.
 - The Adopt a Complete Streets action must be met before earning points for the Institute Complete Streets action, but can be submitted at the same time.



Institute Complete Streets Action

Purpose:

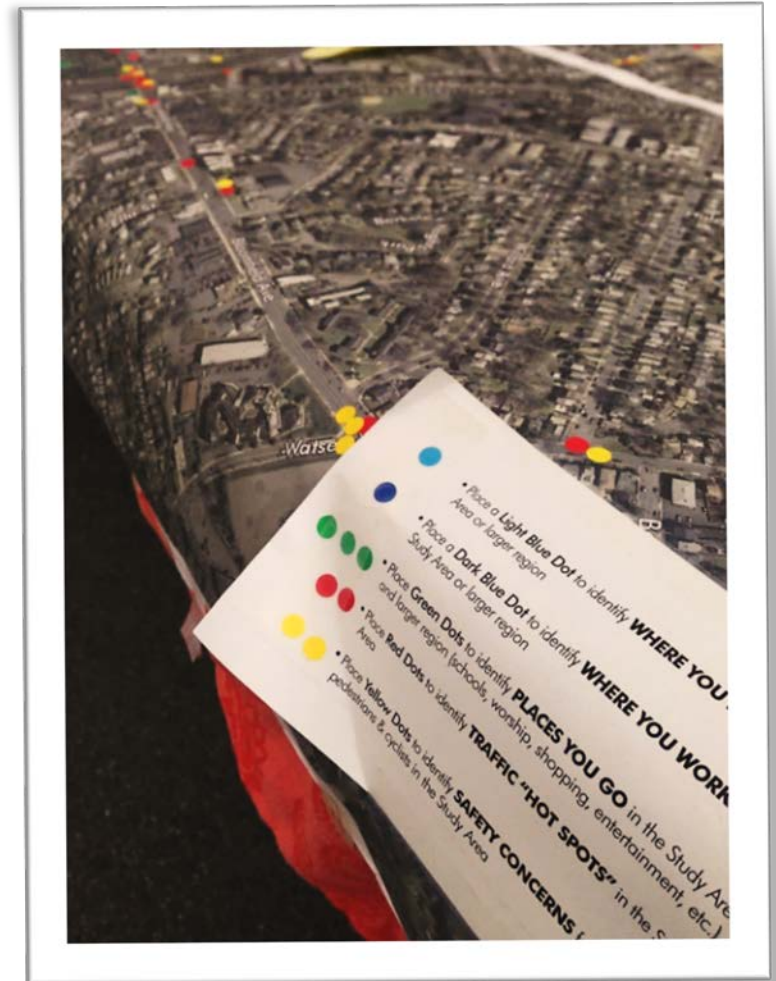
- ❖ Institutionalize Complete Streets Policies
- ❖ Align community actions in funding, planning, design, maintenance & operations with policy goals
- ❖ Update procedures, plans & processes used in transportation decision-making
- ❖ Provide training & educational opportunities to staff and professionals.





Institute Complete Streets - Requirements

1. Build Your Complete Streets Team
 - Include public health professional(s)
2. Establish Internal Review Procedures
 - Adopt checklists to be used to ensure projects adhere to the Complete Streets policy





Institute Complete Streets - Requirements

(continued)

3. Attend training

- ❖ Training should be provided to elected officials, municipal employees, including engineers, public works employees, public health professionals, & planning & zoning officials
- ❖ Possible activities include webinars, conferences, & workshops (internal or by outside experts)

4. Inventory & review of planning & design documents

- ❖ Conduct an audit of guidance documents to ensure consistency with the Complete Streets policy





Institute Complete Streets – Additional Points

Implement a Complete Streets Project – **optional for an additional 5 points**

- ❖ A narrative description along with pictures of the project explaining how it advances the Complete Streets policy.
- ❖ Eligible projects must have been completed within 3 years prior to the submission of the action.





Quick tips - Institute Complete Streets

- ❖ Municipal staff and/or consultants must be involved in the planning and implementation of the Complete Streets policy.
- ❖ Provide at least the minimum requirements for the checklists. NJDOT checklists meet requirements.





Action as Policy – Voorhees Township

Voorhees Township Complete Streets Checklist					
INVENTORY					
Instructions:					
Please provide a brief description for how the item is addressed, not addressed or not applicable and include documentation to support your answer.					
Item to be Addressed	Checklist Consideration	YES	NO	N/A	Required Description
Master Plan Element	Is the project limits located within 200' of a transportation facility identified in the Voorhees Township Master Plan (1998 Master Plan, 2003's expansion of the Bicycle Element, and the 2012 Master Plan Re-Examination)?				
Master Plan Element	Is the project limits located within 200' of a transportation facility identified in the Voorhees Township Bicycle & Pedestrian Bicycle Master Plan and Voorhees Township Bicycle Route Plan?				
Master Plan Element	Is the project limits located within 200' of a transportation facility identified in the Camden County Bicycling and Multi-Use Trails Plan?				
Master Plan Element	Is the project limits located within 200' of a transportation facility identified in the New Jersey Bicycle and Pedestrian Master Plan.				

What they submitted for points:

- ❖ Minutes & attendance list from community meeting
- ❖ Inventory of planning & design documents that need to be updated
- ❖ Narrative description that explains how the checklists are being used
- ❖ Attendance at CS Training (dates & time)

*** includes Complete Streets Summit***





Additional 5 points - Voorhees Township

What they submitted for points:

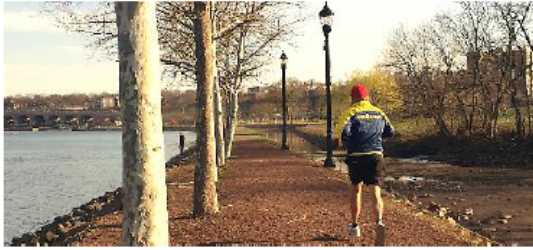
- ❖ Narrative description with design plans and photos of implementation projects
 - Bike lanes
 - Traffic Calming
 - Transit Shelters
 - Crosswalks
 - Bicycle Parking



Voorhees Township, NJ



Tutorials



SUSTAINABLE JERSEY ACTIONS MAKING COMMUNITIES WALKABLE AND BIKEABLE

Action Tutorials are now available online!

Tutorials providing guidance on how to achieve points by implementing actions under the Sustainable Jersey program to make communities more walkable and bikeable are now available online.

Implementing some of these actions also meets requirements toward certification in the NJ Safe Routes to School Recognition Program.

For more information, please visit:
saferoutesnj.org/SustainableJerseyActions



ADOPT A COMPLETE
STREETS POLICY

INSTITUTE
COMPLETE STREETS

BICYCLE AND
PEDESTRIAN PLAN
AND AUDIT

SAFE ROUTES
TO SCHOOL

ANTI-IDLING
ENFORCEMENT
PLAN



Contact us at
srts@ejb.rutgers.edu
842-932-7901



SUSTAINABLE JERSEY FOR SCHOOLS ACTIONS ENCOURAGING SCHOOLS TO GO GREEN & CONSERVE RESOURCES

Action Tutorials are now available online!

Schools that want to go green and conserve resources can achieve points under the Sustainable Jersey for Schools program by encouraging students to walk and bike instead of driving. Tutorials on these actions are available online to provide guidance on how to implement the actions.

Implementing some of these actions also meets requirements toward certification in the NJ Safe Routes to School Recognition Program.

For more information, please visit:
saferoutesnj.org/SustainableJerseyActions



SAFE ROUTES TO
SCHOOL DISTRICT
POLICY

PEDESTRIAN AND
BICYCLE SAFETY
AND PROMOTION
INITIATIVES

SCHOOL TRAVEL
PLAN FOR
WALKING AND
BIKING

ANTI - IDLING
EDUCATION AND
ENFORCEMENT



Contact us at
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848-932-7901

Saferoutesnj.org/SustainableJerseyActions





NEW JERSEY Safe Routes to School



www.saferoutesnj.org

saferoutesnj.org
njbikeped.org

NJ Safe Routes to School Resource Center

Rutgers University – Voorhees Transportation Center

Sustainable Jersey & Sustainable Jersey for Schools Help Desk

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