



Princeton, NJ



Jamesburg, NJ



South Orange, NJ



New Providence, NJ



Edison, NJ

# BICYCLE AND/OR PEDESTRIAN AUDIT ACTION

Sustainable Jersey - 5 Points





## Significance of Bicycling & Walking

- ❖ Viable transportation option
- ❖ Improved health & quality of life
- ❖ Economic vitality
- ❖ Reduction in traffic congestion & air pollution
- ❖ Reduction in dependence on automobiles

## Purpose of Bicycle and/or Pedestrian Audit

- ❖ Address pedestrian & bicycling safety
- ❖ Identify safe, comfortable, accessible & welcoming bicyclist/pedestrian environment
- ❖ Understand challenges & opportunities for future planning, design & construction
- ❖ Provide benchmark for judging future success





# Leadership & Involvement

- ❖ Municipal Staff - Engineer, Planner, Public Works, Police Department
- ❖ Community members (parents, student, seniors, etc.)
- ❖ State & County Planners & Engineers
- ❖ School Administration & Staff
- ❖ Bicycle or pedestrian advocacy group(s)
- ❖ Environmental Commission
- ❖ Health or Recreation Committee
- ❖ School Committee/Parent Organization(s)
- ❖ Transportation Management Association



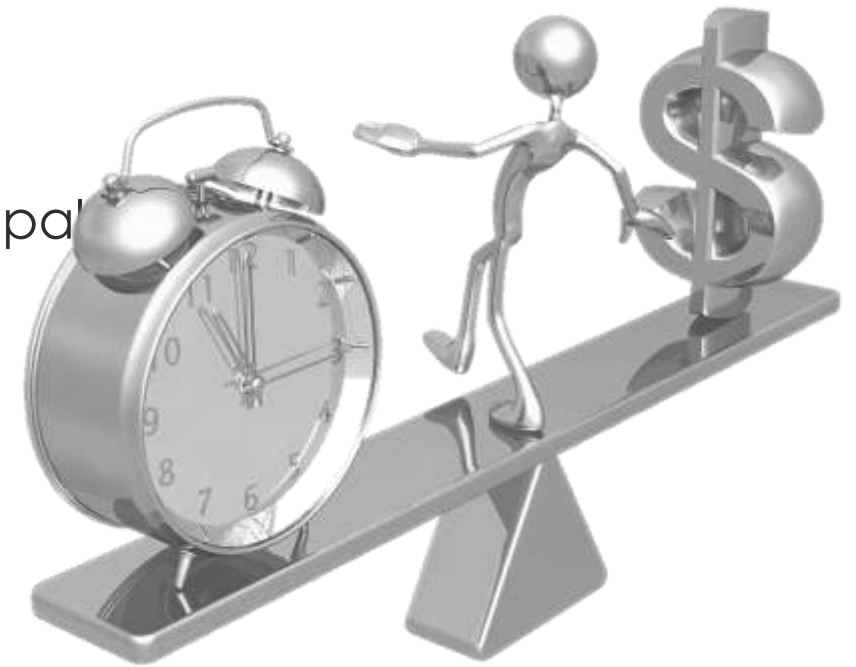




## Timeline for Bike or Pedestrian Audit Completion

The time required to complete the audit depends on a number of factors such as:

- ❖ Municipality's transportation network
- ❖ Entity conducting the assessment (volunteers, municipal staff or consultants)
- ❖ Methodology used to conduct the assessment

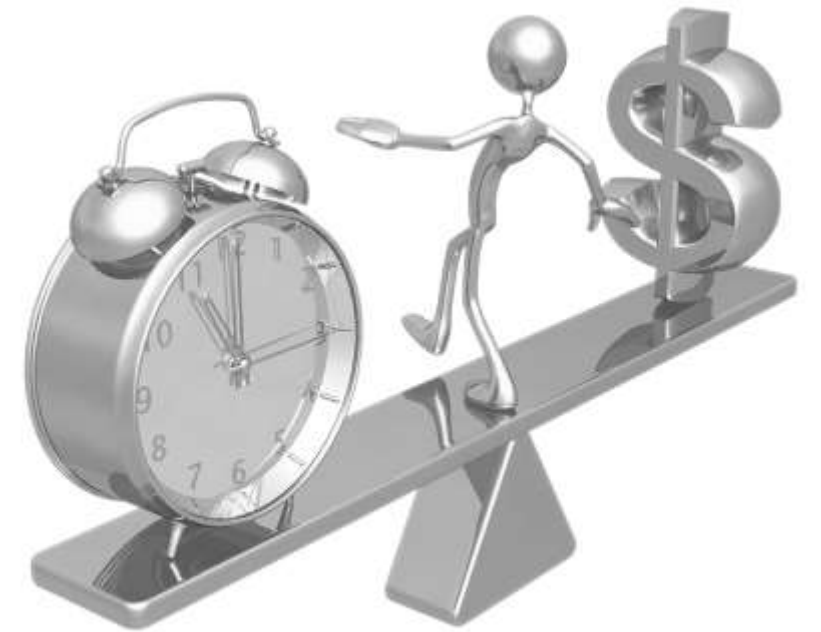




# Project Cost & Resource Requirement

The cost of a bike or pedestrian audit can vary, depending on the following factors:

- ❖ Entity conducting the audit
- ❖ Methodology used for conducting the assessment
- ❖ Community participation
- ❖ Inventory facilities for walking and bicycling







# Importance of Bike or Pedestrian Audit

- ❖ Assess existing conditions that measure safety & desirability of using the routes.
- ❖ Identify barriers & opportunities for walking & bicycling which can be more than infrastructure such as plans, policies, ordinances, etc.
- ❖ Prioritize improvements to create walkable and bikeable communities.

**Promoting health equity & physical activity for vulnerable populations**

<p style="text-align: center;">South Orange, NJ</p>	<p style="text-align: center;">Atlantic City, NJ</p>
<b>Walking &amp; biking for recreation or transportation</b>	
<p style="text-align: center;">Bordentown, NJ</p>	<p style="text-align: center;">Lambertville, NJ</p>



## Bicycle and/or Pedestrian Audit Requirements:

The Bike or Pedestrian Audit must include the following components to earn 5 points:

1. Survey of existing infrastructure conditions – (the audit)
2. Description of opportunities & constraints (gaps & barriers)

Note: The Bike/Pedestrian Audit must be no more than 5 years at time of submission.





# Guidance & Recommendations

- ❖ Survey existing infrastructure conditions.
- ❖ Identify opportunities & constraints.
- ❖ Review & summarize related documents to determine how bike or pedestrian audit fits into broader planning context.
- ❖ Map/list & describe existing land use patterns, including major bicycle & walking trip generators & attractors.
- ❖ Perform public feedback & community engagement.







# Submission Documentation Requirements for Sustainable Jersey

1. Bicycle and/or Pedestrian Audit including the following components:
  - a) Survey of existing infrastructure conditions (the audit)  
e.g. photos with descriptions, maps, etc.
  - b) Description of opportunities & constraints (gaps & barriers)
2. Short narrative (300 word max) about what was accomplished & steps taken.



## Quick Tips for Pedestrian/Bike Audit

- \* The Bike & /or Pedestrian Audit must not be more than 5 years old.
- \* Take plenty of photos and show context of the issues.
- \* Examples of opportunities and barriers can be found on <http://www.saferoutesnj.org/resources/stp/barriers-and-opportunities/>





# Resources

- ❖ Walkable Community Workshops - North Jersey Transportation Planning Authority (NJTPA).

<http://www.njtpa.org/Plan/Element/BikePed/walkable.aspx>

- ❖ Walk/Bike Assessments – NJ Safe Routes to School.

<http://www.saferoutesnj.org/resources/stp/walkbike-assessments/>

- ❖ Road Safety Assessments –Rutgers Center for Advanced Infrastructure & Transportation.

<http://cait.rutgers.edu/tsrc/audits>

- ❖ Bicycle Friendly Community Application - League of American Bicyclists.

<http://apply.bikeleague.org/member.php?act=register&categoryId=34>

- ❖ Walk Friendly Communities Assessment Tool - Pedestrian & Bicycle Information Center.

<http://www.walkfriendly.org/index.cfm>

- ❖ Web-based Mapping Programs

- ❖ Community Walk.

<http://www.communitywalk.com/>

- ❖ ESRI Mapping for Everyone.

<http://www.esri.com/software/mapping-for-everyone>

- ❖ ArcGIS App for Smartphones & Tablets.

<http://www.esri.com/software/arcgis/smartphones/app.html>

- ❖ Google Maps & Google Earth.

<http://earth.google.com/outreach/index.html>

Sustainable Jersey: Bicycle & /or Pedestrian Audit [5 Points]



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