



Complete Streets Case Study: Appendices

Passaic County, New Jersey



RESOLUTION ADOPTING A COMPLETE STREETS POLICY TO DESIGNATE AND OPERATE A COMPREHENSIVE, INTEGRATED, CONNECTED MULTI-MODAL NETWORK OF TRANSPORTATION OPTIONS

WHEREAS, a Complete Street is defined as a means to provide safe access for all users by designing and operating a comprehensive, integrated, connected multi-modal network of transportation options; and

WHEREAS, the benefits of Complete Streets include improving safety for pedestrians, bicyclists, children, older citizens, non-drivers and the mobility challenged as well as those that cannot afford a car or choose to live car free, providing connections to public transportation, employment, education, residential, recreation, retail centers, tourist attractions, and public facilities, promoting healthy lifestyles; creating more livable communities, reducing traffic congestion and reliance on carbon fuels thereby reducing greenhouse gas emissions; and saving money by incorporating sidewalks, on-street bike facilities, and safe crossings; and

WHEREAS, the Passaic County Board of Chosen Freeholders wishes to establish a Complete Streets Policy through the planning, design, construction, maintenance and operation of new and retrofitted transportation facilities, enabling safe access and mobility; and

WHEREAS, the Transportation Element of the Passaic County Master Plan identifies priority actions and improvement areas along with Complete Streets Guidelines that act as an action plan to propose Complete Streets alternatives that match the context of the surrounding land use in adherence to the Policy;

WHEREAS, the Freeholder Committee for Planning and Economic Development, at its meeting of February 4, 2014, reviewed this matter and is recommending to the full Board for adoption.

NOW THEREFORE BE IT RESOLVED that the Passaic County Board of Chosen Freeholders hereby adopts a Complete

Introduced on: February 11, 2014
Adopted on: February 11, 2014
Official Resolution#: R20140106

Streets Policy to designate and operate a comprehensive integrated, connected multi-modal network of transportation options, with the following goals and objectives:

1. Create a comprehensive, integrated, connected multi-modal transportation network by facilitating connection to bicycling and walking trip generators such as employment, education, residential, recreational and public facilities, as well as retail and transit centers;
2. Provide safe and accessible accommodations for existing and future pedestrian, bicycle and transit facilities;
3. Establish a Complete Streets checklist to document preferred outcomes and ensure that adequate consideration of bicycle, pedestrian and transit needs are incorporated into the planning, concept development, preliminary and final engineering, construction, and maintenance of projects where County jurisdiction applies. This checklist shall also be applied to site plan review and resurfacing projects. The Planning Department Project Manager is responsible for completing the checklist with all supporting documentation and must work with the Project Designer to ensure that the checklist has been completed and all comments addressed prior to advancement of a project to Final Design. The Checklist shall be applied to all new publicly funded transportation and land use projects with the exception of:
 - Sidewalk repairs
 - Bicycle facility roadway markings, striping or signage
 - Installation of bike racks or street signs
 - Installation of ADA curb ramps;
4. Additionally, checklist items shall take into consideration scenic and historic assets that may be impacted by any project as well as any possible “Green Streets” applications that can mitigate the impacts of flooding throughout the County;

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5. Transportation facilities constructed for long-term use shall anticipate likely future demand for bicycling and walking and public transportation facilities and not preclude the provision of future improvements;
6. Designs shall address the need for bicyclists and pedestrians to cross corridors and waterways, as well as travel along them, in a safe, accessible and convenient manner; therefore, the design of intersections, interchanges and bridges shall anticipate use by bicyclists and pedestrians;
7. Bicycle and pedestrian facilities shall be designed and constructed to the most reasonable extents possible to adhere to the Passaic County Complete Streets Guidelines in conjunction with the best currently available standards and practices including the New Jersey Roadway Design Manual, the AASHTO Guide for the Development of Bicycle Facilities, AASHTO's Guide for the Planning, Design and Operation of Pedestrian Facilities, the Manual of Uniform Traffic Control Devices and others as related;
8. The provision of all improvements on County roadways will be compatible with the Transportation Element of the Passaic County Master Plan, October 2012;
9. Provisions shall be made to the most reasonable extent possible for pedestrians and bicyclists when closing roads, bridges or sidewalks for construction projects as outlined in NJDOT Policy #705 – Accommodating Pedestrian and Bicycle Traffic During Construction;
10. Improvements shall also consider connections for Safe Routes to Schools, Safe Routes to Transit, Transit Villages, trail crossings and areas or populations groups with limited transportation options;
11. Improvements shall comply with Title VII Environmental Justice, Americans with Disabilities Act (ADA) and complement the context of the surrounding community; and

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Passaic County Complete Streets Checklist - Concept Development

Project Name

Item to be Addressed	Checklist Consideration	YES	NO	N/A	Required Description
<i>Complete Streets Guidelines</i>	Have the Complete Streets Guidelines been referenced to determine the Complete Streets Classification(s) of the roadway segment(s) included in the project area? Are there any comprehensive planning documents that address bicyclist, pedestrian or transit user conditions within or proximate to the study area? Examples include (but are not limited to): <ul style="list-style-type: none"> • Safe Route To School/Transit Travel Plans • Municipal or County Master Plans, Redevelopment Plans or Visioning Plans • Local, County and Statewide Master Plans or Bicycle and Pedestrian Plans • Road Safety Audit or Walkable Community Plan • NJDOT Designated Transit Village 				
<i>Existing Access and Mobility</i>	Are there any schools, hospitals, senior care facilities, educational buildings, community centers, residences or businesses with disabilities within or proximate to the study area? Is there any existing or potential access to waterways, riverwalks, boat/kayak launch sites within or proximate to the study area? Have you identified the major sites, destinations, and trip generators within or proximate to the study area, including prominent landmarks, employment centers, recreation, commercial, cultural and civic institutions, and public spaces?				
<i>Bicycle, Pedestrian and Transit Accommodations</i>	Does the project area include or provide a connection to any Bicycle and Pedestrian Priority Corridors? Have the bicycle and pedestrian connections been identified? Are there physical or perceived impediments to bicyclist or pedestrian use of the transportation facility? Is there a higher than normal incidence of bicyclist/pedestrian crashes within the study area?				
<i>Mass Transit</i>	Are there existing transit routes and facilities within the study area, including bus and train stops/stations? If so, are there shelters, bicycle racks and pedestrian facilities that service the local development? Does the project area include or provide a connection to any proposed improvements (such as Bus Rapid Transit routes or new commuter rail access)?				
<i>Motor Vehicle Operations</i>	Are there any reported or observed issues with speeding in the project area? Do the existing conditions merit traffic-calming measures including neck-downs, shoulder striping, road diets, chicanes, or additional speed limit signage, etc.?				

Passaic County Complete Streets Checklist - Concept Development

Project Name

Item to be Addressed	Checklist Consideration	YES	NO	N/A	Required Description
	Does the project area include any vehicle or pedestrian hot spot crash locations (Refer to the Transportation Element of the Master Plan for more details)?				
	Are there any roadways that experience highly congested conditions in either the current or future travel demand modeling included as part of the Transportation Element of the Passaic County Master Plan?				
	Would incorporating access management techniques mitigate congestion or safety issues in the project area? This can include signal timing, limiting driveways, aligning access to adjacent sites, Intelligent Transportation Systems (ITS) and driveway design.				
<i>Existing Truck/Freight Operations</i>	Are there existing concerns within the study area, regarding truck/freight safety, volumes, or access? Are there major freight generators or freight priority routes in the study area?				
<i>Green Streets</i>	Are there any issues with flooding in the study area?				
	Are there existing or opportunities to add street trees, planters, buffer strips, or other environmental enhancements such as drainage swales within the study area?				
<i>Existing Historic and Scenic Resources</i>	Are there any historic sites or districts in the study area?				
	Are there any Scenic or Historic Byways within the study area? If so, are any assets that contribute to their status impacted by the project?				

Passaic County Complete Streets Checklist - Preliminary Engineering

Project Name

Item to be Addressed	Checklist Consideration	YES	NO	N/A	Required Description
<i>Complete Streets Guidelines</i>	Have the Complete Streets Guidelines been referenced to determine the Complete Streets Classification(s) of the roadway segment(s) included in the engineering project? Does the proposed project design include accommodations for bicyclists recommended in the Complete Streets Guidelines?				
<i>Bicyclist, Pedestrian, Accommodations</i>	Does the proposed project design address accommodations for pedestrians according to the Complete Streets Guidelines?				
<i>Public Transit</i>	Have you coordinated with the corresponding municipality, Transportation Management Association (TMA) and NJ Transit to accommodate the current and future transit users in the project design?				
<i>Motor Vehicle Operations</i>	Does the proposed design address the existing or the desired future motor vehicle conditions within the project area? This includes safety (i.e., high crash locations), volumes, high speeds through traffic calming (i.e., reduced lane widths, roundabouts, chicanes, etc.), limited access through Intelligent Transportation Systems (ITS), important motor vehicle connections, and the reduction of the negative impacts of motor vehicle traffic?				
<i>Truck/Freight Operations</i>	Does the proposed design address the desired future truck conditions within the project area, including truck routes, volumes, access, way-finding, mobility and the reduction of the negative impacts of truck traffic?				
<i>Access and Mobility</i>	Does the proposed design address accommodations for those with access or mobility challenges such as the disabled, elderly, and children, including ADA compliance?				
<i>Streetside Features</i>	Does the design utilize ITS to reduce the conflicts between all transportation modes and promote safe travel along County roadways?				
	Each County Roadway Classification calls for different treatments and priorities for Streetside Features. Please outline how these priorities are addressed in the following: Frontage Zone: Has consideration been given to features such as awnings, signage, and semi-private space associated with the adjacent buildings and land use? Sidewalk Zone: Have sidewalks been provided in a manner that accommodates the adjoining land uses and meets the Complete Streets Guidelines goals and standards?				
	Are sidewalks provided in a manner that will allow for links to adjoining development and meet the needs of planned future development?				
	Curb Zone: Have features such as bus shelters, kiosks, street furniture, decorative lighting, street trees, signage and pedestrian buffer areas been addressed to meet Complete Streets goals and standards?				

Passaic County Complete Streets Checklist - Preliminary Engineering

Project Name

Item to be Addressed	Checklist Consideration	YES	NO	N/A	Required Description
<i>Parking</i>	<p>Are there any local streetscape standards that are applicable?</p> <p>Has parking access, configurations and striping been applied according to the Complete Streets Roadway Classification?</p> <p>Has way-finding signage for parking been included in the design?</p>				
<i>Design Standards or Guidelines</i>	<p>Does the proposed design follow all applicable design standards or guidelines appropriate for bicycle and/or pedestrian facilities along with the County Complete Streets Guidelines?</p>				
<i>Green Streets</i>	<p>Have any opportunities to address stormwater management been addressed through Green Street measures? This includes (but not limited to):</p> <ul style="list-style-type: none"> · Pervious pavement and/or concrete · Bump-outs, medians, or streetside areas that can be used for stormwater planters, bioswales, rain gardens, tree pits, or other treatments <p>Has the most energy efficient option been selected for pedestrian, safety, or on-street lighting?</p>				
<i>Historic and Scenic Resources</i>	<p>Has all consideration been given to standards and recommendations from the local historic preservation body if the project is along or within a historic district?</p> <p>Have any impacts on historic and/or scenic assets along Scenic and Historic Byways been mitigated in the preliminary engineering design?</p>				

Passaic County Complete Streets Checklist - Road Resurfacing

Roadway Resurfacing Location/Limits

Item to be Addressed	Checklist Consideration	YES	NO	N/A	Required Description
<i>Complete Streets Guidelines</i>	Have the Complete Streets Guidelines been referenced to determine the Complete Streets Classification(s) of the roadway segment(s) being resurfaced?				
<i>Safety</i>	Does the project area for the resurfacing project include any high crash locations (motor vehicle or pedestrian) and/or perceived safety issues? If so, how are they being addressed?				
	Are there any key intersections included in the resurfacing projects that should be considered for new crosswalks or more visible crosswalks (i.e., ladder or zebra)?				
<i>Travel Lanes</i>	Have the dimensions of the travel lanes been minimized within the recommendations of the Complete Street Guidelines? Considerations should be given (but limited to):				
	· Traffic-calming (including reduced width and/or chicanes)				
	· Freight Priority Routes				
	· Potential Bus Rapid Transit Routes/frequent bus service				
	· Minimize the length/time for pedestrian crossings				
	· Provide a buffer area between vehicles and pedestrians				
	· Accommodate dedicated and shared bicycle facilities				
	· Provide shoulders				
<i>Medians</i>	Would the use of medians (striped, curbed and/or landscaped) be appropriate in the repaving project?				
<i>Shoulders/Bicycle Facilities</i>	Does the repaving project follow the Complete Streets Guidelines recommendations for bicycle facilities and/or roadway shoulders? Considerations should be given to (but not limited to):				
	· Bicycle and Pedestrian Priority Corridors				
	· Bicycle and pedestrian way-finding signage				
	· Demonstrated need for traffic-calming measures				
	· Parking				
	· Streetside Features				
	· Public Transportation usage and facilities				
	· Improved Safety at Intersections (curve radii that accommodate the appropriate vehicles speeds, truck and bus traffic, and pedestrian crossings)				
	· Continuous bicycle lanes through intersections				
	· High visibility crosswalks				
	· Major destinations and the land use connections				

Passaic County Complete Streets Checklist - Road Resurfacing

Roadway Resurfacing Location/Limits

Item to be Addressed	Checklist Consideration	YES	NO	N/A	Required Description
<i>Parking</i>	Has parking access, configurations and striping been applied according to the Complete Streets Roadway Classification? Has way-finding signage for parking been included in the design?				

Passaic County Complete Streets Checklist - Development Review

Site Plan/Subdivision Application #

Item to be Addressed	Checklist Consideration	YES	NO	N/A	Required Description
<i>Bicyclist and Pedestrian Accommodations</i>	<p>Are there accommodations for bicyclists, pedestrians (including ADA compliance) and transit users included on or crossing the proposed development? Examples include (but are not limited to): Continuous sidewalks, public seating, bike racks, and transit shelters</p> <p>Are there any existing or proposed bicycle and pedestrian facilities that connect to the proposed development?</p> <p>Is the proposed development friendly to bicyclists and pedestrians? Examples include (but are not limited to): Siting buildings close to streets, eliminating conflicts between pedestrians and automobiles with multiple crossings or slip lanes, minimizing driveway widths, or locating main entrances closest to bicycle and pedestrian facilities</p> <p>Is there access to a waterway from the proposed development? Examples include (but are not limited to): Existing or proposed riverwalks, boat/kayak launch points, fishing piers, and viewsheds</p>				
<i>Public Transportation Operations and Accommodations</i>	<p>Is the proposed development served by any existing or future public transportation? Examples include (but are not limited to): Bus service along the roadway frontage, train stations or park-and-ride facilities within walking distance, private bus/jitney operations, and any other shuttle services</p> <p>What accommodations are provided to support public transportation usage? Examples include (but are not limited to): Transit shelters, bus turnouts, public seating, signage, and sidewalk connections</p>				
<i>Motor Vehicle Operations</i>	<p>Have Access Management techniques been utilized to control the location, spacing and operation of driveways, parking access and connections to County roadways? Examples include (but are not limited to): Providing parking behind buildings, share-parking, reducing the number of driveways accessing County roadways, cross-access to abutting parcels for parking access, and simplifying on-site traffic patterns</p> <p>Are any on-site parking areas screened along County roadways? (i.e., plantings between the parking lot and sidewalk areas)</p> <p>Are there any existing concerns on the site regarding truck/freight safety, volumes or access?</p>				
<i>Truck/Freight Operations</i>	<p>Has on-site truck/freight access been designed to accommodate freight traffic while reducing conflicts with pedestrians, bicyclists and surrounding land uses?</p> <p>Does the proposed development follow all applicable Complete Streets Guidelines for the portion of the County roadway accessing the site?</p>				
<i>Design Standards or Guidelines</i>					

Passaic County Complete Streets Checklist - Development Review

Site Plan/Subdivision Application #

Item to be Addressed	Checklist Consideration	YES	NO	N/A	Required Description
<i>Green Streets</i>	<p>Are there any on-site or streetscape design elements that reduce impervious coverage and prevent runoff in County roadways, in compliance with the County standard resulting in no net increase of stormwater in County roads (i.e. bioswales, rain gardens, rain barrels, pervious pavement, stormwater planters)?</p> <p>Are there any green streets applications along the County roadway such as street trees, energy-efficient lighting, curbside bioswales and/or cisterns?</p>				
<i>Scenic and Historic Resources</i>	<p>Is the site in question along a Historic or Scenic Byway? If so, is it accessible?</p> <p>Does the site provide an opportunity to include historic or interpretive elements?</p> <p>Examples include (but are not limited to): Historic markers, interpretive kiosks, way-finding signage</p> <p>Is the site in a historic district, and/or are there any historic or scenic resources listed on local, state or federal registers located on the site? If so, has the local historic preservation body reviewed the application?</p> <p>Are there any historic or scenic resources not previously documented on the site that should be considered for documentation or protection?</p> <p>Examples include (but are not limited to): Historic structures, old growth trees, scenic vistas, and topographic features</p> <p>How will any impacts on scenic or historic resources be mitigated in the proposed development?</p>				
Other Plans and Studies	<p>Has the site or portion of the County roadway been identified for priority treatments in the County Master Plan, local streetscape plans, technical studies or any other documents?</p> <p>Examples include (but are not limited to): Corridor studies, visioning studies, local master plan elements, streetscape plans, and redevelopment studies</p>				