

Complete & Green Streets for All: Model Complete Streets Policy & Guide

Preliminary Engineering Checklist

*This document is a text-only version of the Preliminary Engineering Checklist included in the New Jersey Department of Transportation **Complete and Green Streets for All: Model Complete Streets Policy & Guide**, published in July 2019. For guidance on how to use this template to create your own policy and checklists, view the full guide at <https://www.state.nj.us/transportation/enq/completestreets/resources.shtm>.*

Pre Preliminary Engineering Checklist

item to be addressed	checklist consideration	yes	no	n/a	required description
BICYCLIST, PEDESTRIAN, AND TRANSIT ACCOMMODATIONS	<p>Does the proposed project design include accommodations for bicyclists described in the NJDOT Complete Streets Design Guide?</p> <p>Examples include (but are not limited to):</p> <p>Bicycle facilities:</p> <ul style="list-style-type: none"> • Bicycle path/bicycle lane/ bicycle route/bicycle boulevard • Bicycle actuation at signals (loop detectors and stencil or other means) • Signs, signals and pavement markings specifically related to bicycle operation on roadways or shared-use facilities • Bicycle safe inlet grates <p>Bicycle amenities:</p> <ul style="list-style-type: none"> • Call boxes (for trail or bridge projects) • Drinking fountains (also for trail projects) • Secure long term bicycle parking (e.g., for commuters and residents) • Secure short-term bicycle parking 				

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<p>BICYCLIST, PEDESTRIAN, AND TRANSIT ACCOMMODATIONS (continued)</p>	<p>Does the proposed project design address accommodations for pedestrians?</p> <p>Examples include (but are not limited to):</p> <p>Pedestrian facilities: Sidewalks (preferably on both sides of the street); mid-block crosswalks; striped crosswalks; geometric modifications to reduce crossing distances such as curb extensions (bulb-outs); pedestrian-actuated traffic signals such as High Intensity Activated Crosswalk Beacons, Rapid Rectangular Flashing Beacons; dedicated pedestrian phase; pedestrian signal heads and pushbuttons; pedestrian signs for crossing and wayfinding, lead pedestrian intervals; high visibility crosswalks (e.g., ladder or zebra); pedestrian-level lighting; in-road warning lights; pedestrian safety fencing; pedestrian detection system; pedestrian overpass/underpass; and median safety islands for roadways with (two or more) traffic lanes in each direction)</p> <p>Pedestrian amenities: Shade trees; public seating; drinking fountains</p>				

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BICYCLIST, PEDESTRIAN, AND TRANSIT ACCOMMODATIONS (continued)	Have you coordinated with the corresponding transit authority to accommodate transit users in the project design? <u>Transit facilities:</u> transit shelters, bus turnouts <u>Transit amenities:</u> public seating, signage, maps, schedules, trash and recycling receptacles				
BICYCLIST AND PEDESTRIAN OPERATIONS	Is the proposed design consistent with the desired future bicycling, walking and trail plans (e.g., Master Plan/ Elements) within the project area including safety, volumes, comfort and convenience of movement, important walking and/or bicycling connections, and the quality of the walking environment and/or availability of bicycle parking?				
TRANSIT OPERATIONS	Does the proposed design address the desired/anticipated future transit conditions within the project area, including bus routes and operations and transit station access to support transit usage and users?				

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MOTOR VEHICLE OPERATIONS	Does the proposed design address the desired future motor vehicle conditions within the project area, including volumes, access, important motor vehicle connections, appropriateness of motor vehicle traffic to the particular street (e.g., local versus through traffic) and the reduction of the negative impacts of motor vehicle traffic?				
TRUCK/FREIGHT OPERATIONS	Does the proposed design address the desired future truck conditions within the project area, including truck routes, volumes, access, mobility and the reduction of the negative impacts of truck traffic?				
ACCESS AND MOBILITY	<p>Does the proposed design address accommodations for those with access or mobility challenges such as the disabled, elderly, and children, including ADA compliance?</p> <p>Examples include (but are not limited to):</p> <p>Curb ramps, including detectable warning surface; accessible signal actuation; adequate sidewalk or paved path (length & width or linear feet); acceptable slope and cross- slope (particularly for driveway ramps over sidewalks, over crossings and trails); and adequate green signal crossing time</p>				

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LAND USE	Is the proposed design compatible with the predominant land uses and densities within the project area, including any historic districts, main streets, or special zoning districts?				
MAJOR SITES	Can the proposed design support the major sites, destinations, and trip generators within or proximate to the project area, including prominent landmarks, commercial, cultural and civic institutions, and schools, public spaces?				
STREETSCAPE	Does the proposed design include landscaping, street trees, planters, buffer strips, or other environmental enhancements such as drainage swales?				
DESIGN STANDARDS OR GUIDELINES	<p>Does the proposed design follow all applicable design standards or guidelines appropriate for bicycle and/or pedestrian facilities?</p> <p>Examples include (but are not limited to):</p> <p>American Association of State Highway and Transportation Officials (AASHTO) – <i>A Policy on Geometric Design of Highway and Streets, Guide for the Development of Bicycle Facilities, Guide for the Planning, Design, and Operation of Pedestrian Facilities; Public Right-of-Way Accessibility Guide (PROWAG);</i></p>				

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<p>DESIGN STANDARDS OR GUIDELINES (continued)</p>	<p><i>Manual on Uniform Traffic Control Devices (MUTCD); Americans with Disabilities Act Accessibility Guidelines (ADAAG); National Association of City Transportation Officials (NACTO) – Urban Bikeway Design Guide; Urban Streets Stormwater Guide; New Jersey Department of Transportation (NJDOT) – Complete Streets Design Guide; Roadway Design Manual; Smart Transportation Guidebook. Rutgers University – Green Infrastructure Guidance Manual; ITE – Designing Walkable Urban Thoroughfares</i></p>				
<p>SAFETY</p>	<p>Does the proposed project design include elements from the FHWA Proven Safety Countermeasures? Examples include, but are not limited to, road diets, medians and pedestrian islands, lead pedestrian intervals, etc.</p>				
<p>STORMWATER MANAGEMENT</p>	<p>Has an impervious cover assessment been performed and have impervious surface areas been minimized while meeting engineering standards and guidelines?</p>				

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STORMWATER MANAGEMENT (continued)	Has an impervious cover reduction action plan been completed for the project area, and does the project design include elements to reduce the impacts of stormwater runoff from impervious surfaces? Examples include (but are not limited to): <ul style="list-style-type: none"> • Bioretention and rain gardens • Bioswales • Stormwater planters • Tree filter boxes 				
Municipal or County Engineer Sign-Off					
statement of compliance		yes	no	If NO , please describe why (refer to Exemptions Clause)	
The plan or roadway improvement accommodates bicyclists, pedestrians, transit users of all ages and abilities, and addresses the related public health, Priority Communities, and environmental goals as set forth in the [municipality/ county] Complete Streets Policy.					