

Context Guide



Pedestrian Safety Action Plan



Toolkit



Case Studies



Web Portal



Training





Spring 2021 Update

Context Driven



Context Guide

DEFINE the context.



IDENTIFY our needs, **PLAN** our actions.



Toolkit

PROVIDE the tools for change.



SHOW where these strategies have worked.



Web Portal COMPILE information.



INVEST in people.

6 components, 1 effort





Context Guide









___ Web Portal



Context Guide

Context Guide

















Describes six contexts in Maryland that influence **how** roadways will be designed.





Context will influence types of safety improvements.

Each context strikes a different balance between **mobility and access**.













Urban Core Urban Center

Traditional Town Center Suburban Activity Center

Suburban

Rural

Context Guide

Rural



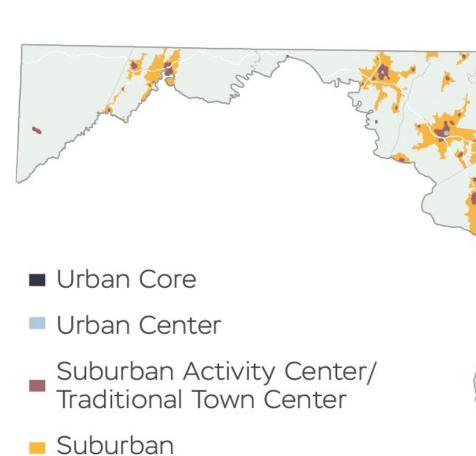












Context Guide



Context Guide





Pedestrian Safety Action Plan





Case



Neb Porta



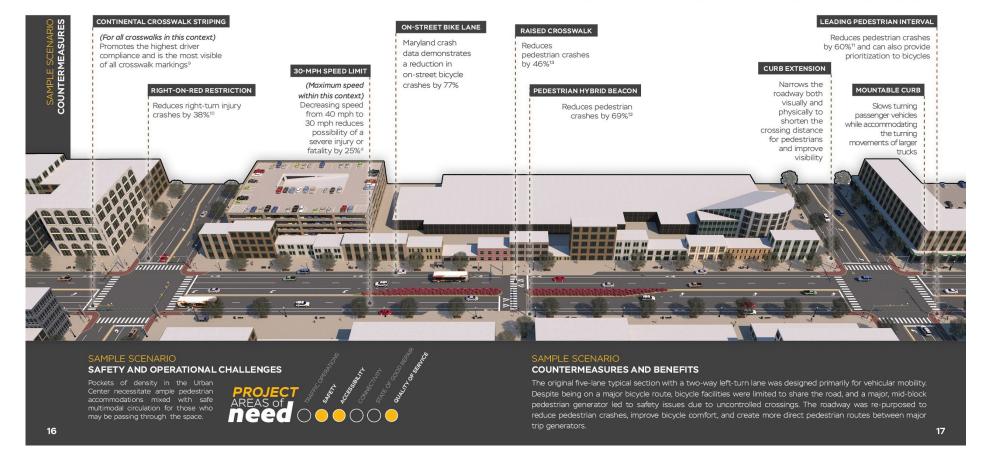


URBAN CENTER

Similar to Urban Core, the Urban Center context is characterized by a high diversity of uses, including and cultural facilities, while having a moderately highdensity of development. Urban Center areas are typically characterized by mid-rise structures, minimal setbacks, Urban Centers may be either large commercial business than 0.1% of the land area in the State.

districts in historic towns or newer transit-oriented developments centered around a metro station. Because multi-family residential, office, retail, entertainment, civic, of its development density and diversity of uses, this landuse pattern generates a moderate to high volume of nonmotorized trips. While the need for mobility through these areas does exist, it is exceeded by the need for internal a variety of street wall frontages, and off-street parking. circulation within this context. These areas represent less

















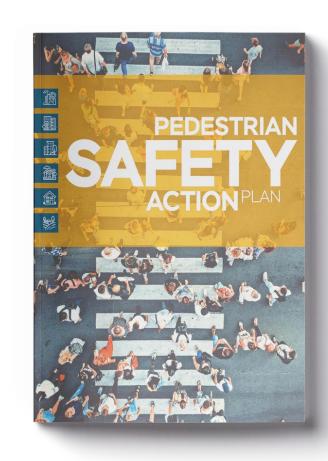


In progress ••••••

Identifies areas of need for future pedestrian safety improvements by examining crash data, existing conditions, and public input.

Improvements will be **prioritized** within each area of need.

Information and results from the Toolkit and the Context Guide will **inform recommendations.**





Context Guide





Toolki



Case Studies







Coordinate

Support agency partner and peer pedestrian and bicycle safety programs



Invest

Direct investment and implement countermeasures where there are known pedestrian and bicycle safety challenges



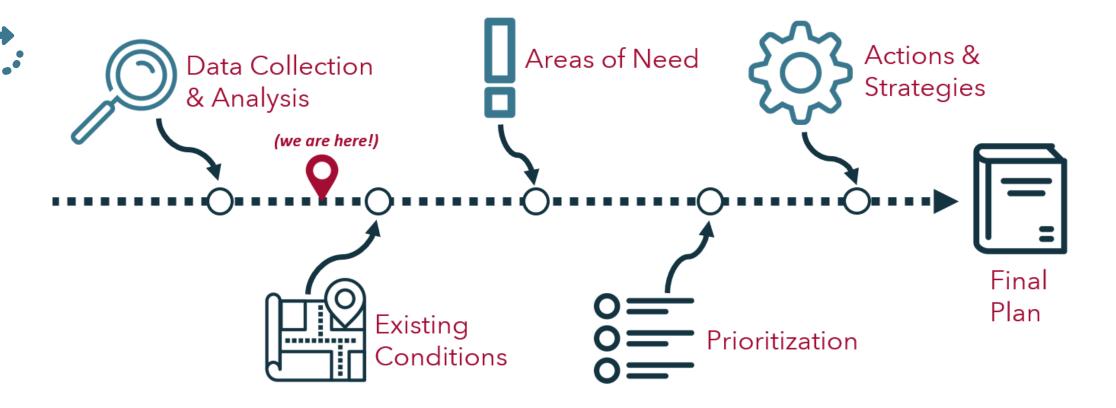


Leverage innovation and technology to improve pedestrian safety











TOOKIT

Toolkit













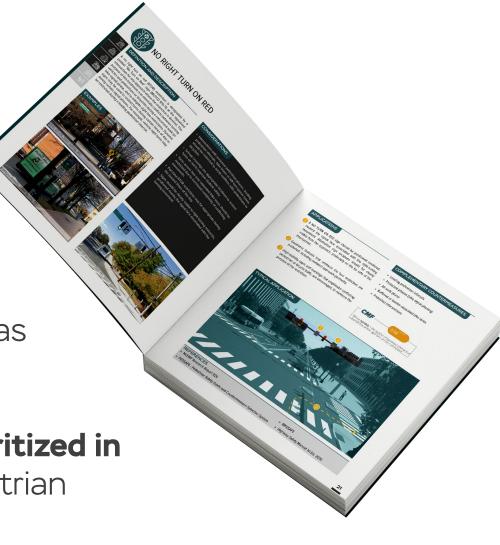


In progress •••••

Provides specifications for safety improvements ("countermeasures").

Connects improvements to context as outlined in the Context Guide.

Toolkit countermeasures will be **prioritized in areas of need** identified in the Pedestrian Safety Action Plan.



Toolkit



Context Guide



Pedestrian Safety Action Plan



Toolkit







Web Portal



Training



NO RIGHT TURN ON RED



DEFINITION AND DESCRIPTION

A no right turn on red (RTOR) restriction is designated by a posted "No Turn on Red" sign (MUTCD R10-11) at the signalized intersection for any approach where the restriction is desired. The purpose of this treatment is to eliminate conflicts between turning vehicles and pedestrians or bicyclists during a concurrent walk (or bike signal) phase, and to mitigate sight line restrictions. Dynamic signs may be used to restrict turns during certain times of day or during certain signal phases. For example, vehicle right turns may be restricted during a leading pedestrian interval.





CONSIDERATIONS

- » Intersections with exclusive pedestrian phases, leading pedestrian intervals, bike boxes or left-turn queue boxes should be restricted to avoid conflicts with pedestrians or bicyclists
- School crossings are appropriate locations to restrict turns on red to improve student safety.
- » Turns across two-way separated bike lanes should be restricted due to increased complexity of conflicting movements
- » Part-time RTOR restrictions may be appropriate during the busiest times of the day
- » Signs should be clearly visible to right-turning motorists, positioned nearby the signal face associated with the turning movement.



APPLICATIONS

- 1 A NO TURN ON RED sign should be positioned overhead, nearest the signal face associated with the right-turning movement. Alternative sign locations should be clearly visible from the approach, preferably on the far side of the intersection.
- Geometric features that reinforce the turn restriction are preferred, including compact approach geometry.
- 3 High-visibility signs and markings that emphasize conflicting pedestrian or bicycle traffic are encouraged, to reinforce the purpose of the restriction.

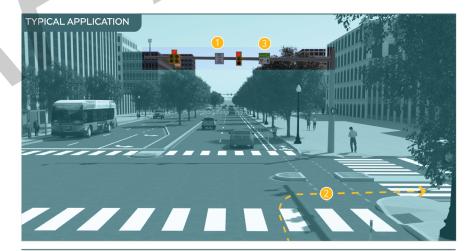
COMPLEMENTARY COUNTERMEASURES

- » Leading pedestrian intervals
- » Protected phases (bike signal phasing)
- » All walk phase
- » Buffered or barrier-separated bike lanes
- » Protected intersections



0.98

Where **nprohib** = the number of signalized intersection approaches where right turn on red is prohibited



REFERENCES

- » NCHRP Research Report 926
- » PEDSAFE Pedestrian Safety Guide and Countermeasure Selection System
- » BIKESAFE
- » Highway Safety Manual 1st Ed. 2010

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Case Studies

Case Studies



Context









Context Driven Case Studies will showcase best practices in support of Toolkit countermeasures.

Classifies case studies by context so practitioners can locate examples that are applicable to their communities.



PROJECT NAME

Project Location:	
Project Date:	

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Intext Driven Technical Space

Context Driven Technical Specs		
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The Challenge

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The Solution

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Context Zones



Before







After







Lessons Learned

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Web Portal

Web Portal















A single Context Driven Web Portal is being developed for content for all six components.

A new section of the web portal will be added for each component, and online public involvement will be centralized on this web portal.

The Context Driven Web Portal will be a one-stop-shop for practitioners and the public.















Training



Taining

Training

















Context Driven is a complex effort. Training on how to implement the guidance and recommendations of Context Driven will be provided to the public, MDOT staff, local governments, elected officials,

industry/advocacy/interest groups.

Investing in training and communications will be essential to increasing awareness and facilitating change.





Context Guide



Pedestrian Safety Action Plan









Training

Recap

Recap

























Context Guide



Pedestrian Safety Action Plan









Training

Contact

Contact













Maryland Department of Transportation State Highway Administration SHAContextGuide@mdot.maryland.gov

More Information:

roads.maryland.gov/contextdriven