

It's Time



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As Administrator, one of my greatest concerns is pedestrian safety and reducing the number of pedestrian fatalities that occur on our roadway network each year. In 2018, pedestrian fatalities on MDOT SHA facilities increased over the previous year, continuing nationwide trends that date back to 2015. One death is one too many, and I am personally affected by every incident that occurs on the roadways we manage. While we cannot discount the roles of education and enforcement, there is always more that we can do as transportation practitioners. Nowhere is this truer than in our urban cores. Urban cores are one of MDOT SHA's six identified context zones, and they are areas that often serve the dual functions of accommodating both regional vehicle traffic and high volumes of pedestrian activity. This combination means that our state's urban cores account for a disproportionate number of pedestrian crashes.

The issue of pedestrian safety requires bold action. The status quo is no longer acceptable. I have empowered our MDOT SHA team to not only use nationwide best practices but to innovate and propose new solutions that ensure we are leaders in the industry. The data-driven approach outlined in this document represents an organizational shift to better respond to this context-based need. This new approach will ensure that our customers can make it to school, commute to work, and, most importantly, arrive safely at home each day.



Our Commitment to Maryland





Roadmap









Data **Driven**Context **Driven**







- Next Steps







People Driven

Our Commitment to a Safer Maryland Means Thinking Differently





People Going Places



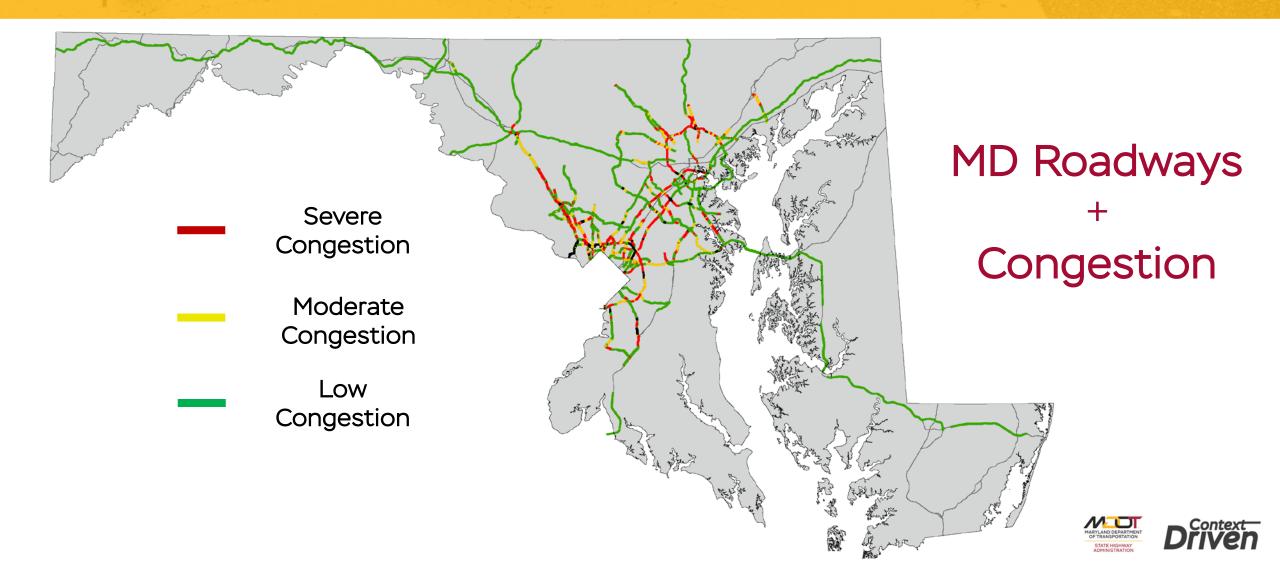
DataDriven

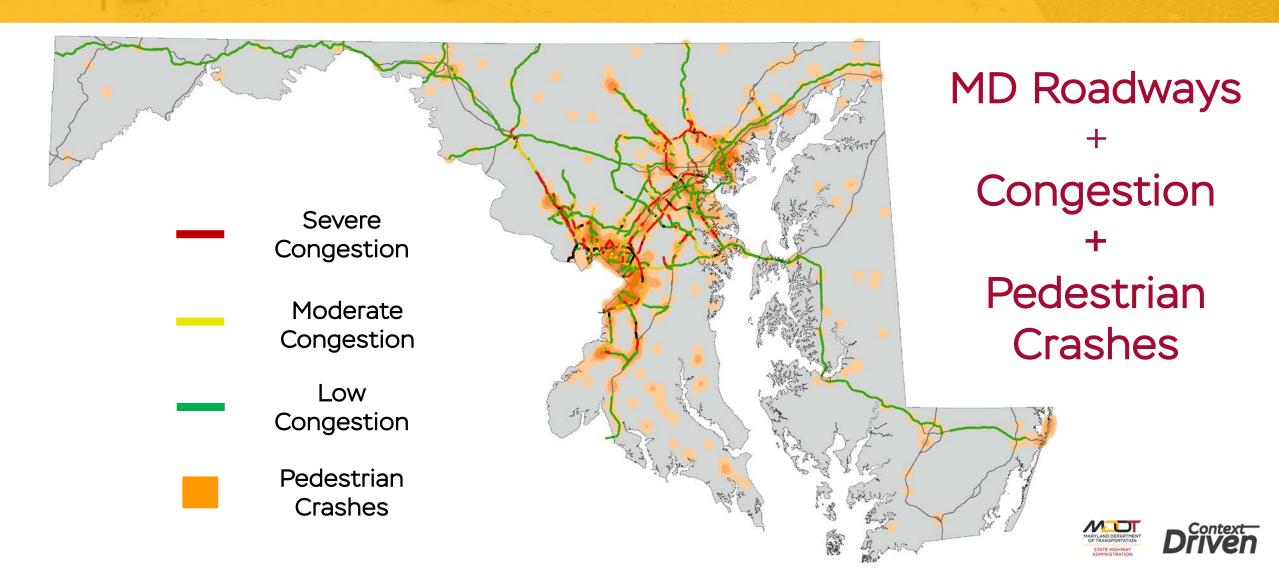
Defining Maryland's Context Zones

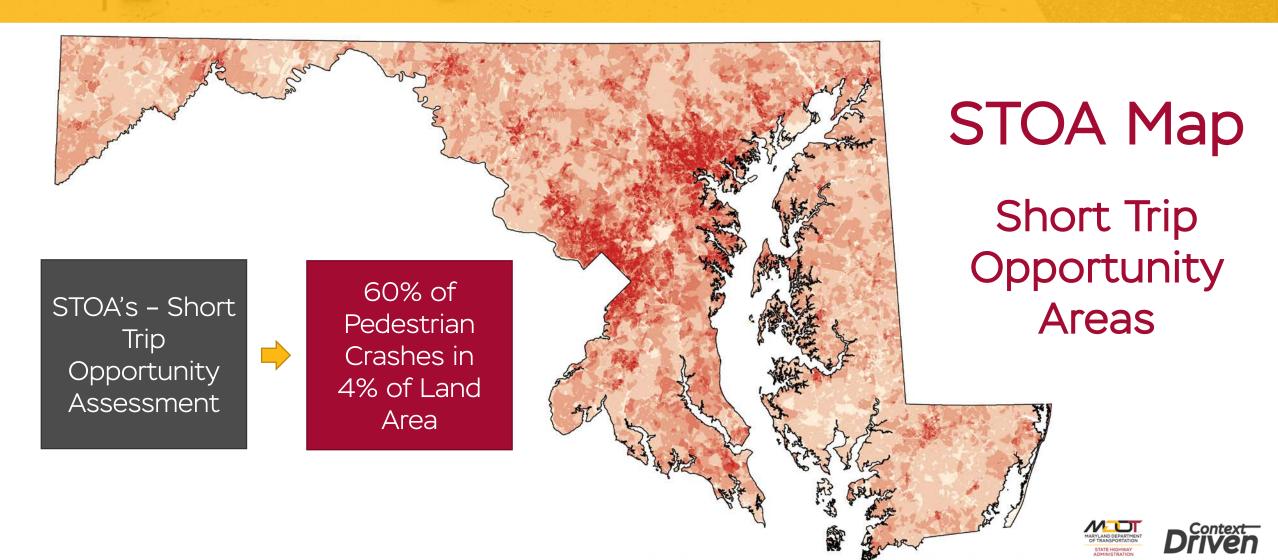












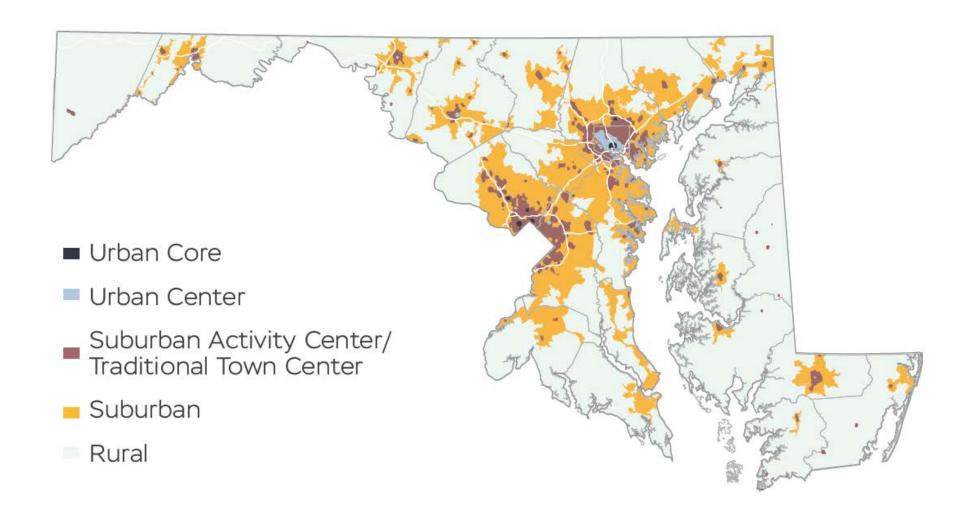
Context Driven

Defining Context in Maryland





Maryland Context Zones







Balancing Access & Mobility



How many places can you get to?



How far can you go?





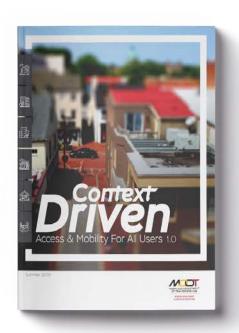
Context Driven

Exploring the Context Guide





An Evolving Resource





- Guide with Context Profiles
- Toolbox of Treatments
- Library of Case Studies













Considered the typical downtown or central business typically included. Because of its development density and

district area, the Urban Core zone is defined by a high diversity of uses, this land-use pattern generates a high diversity of uses, including multi-family residential, office, prevalence of non-motorized trips, including walking, transit, retail, entertainment, civic, and cultural facilities, as well as and bicycling. While the need for mobility through these a high density of development. Development includes areas does exist, it is far exceeded by the need for internal high-rise structures with minimal setbacks, high street wall dirculation within the zone. The Urban Core represents less frontage, and minimal building gaps. Off-street parking is than one tenth of one percent of the land area in the State.



Guide **Components**



Zone Name & Icon





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Guide **Components**



Typical Characteristics





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Guide **Components**



DATA-DRIVEN TRANSFORMATIONS



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25-MPH SPEED LIMIT

Decreasing speed

significantly reduces

the possibility of a

limits to 25 mph

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Guide **Components**



PROTECTED INTERSECTION

Provides a higher degree of comfort and safety for bicyclists by keeping bicycles physically separated from motor vehicles at the intersection5

LEADING PEDESTRIAN INTERVAL

Reduce pedestrian crashes by 60%7 and can also provide prioritization to bicycles

PROTECTED BICYCLE LANE

Has the lowest injury risk of all urban bicycle facilities⁶

FLOATING BUS STOP

Confers the highest priority to transit operations at most signalized intersections8

CONTINENTAL CROSSWALK STRIPING

(For All Crosswalks In This Context) Promotes the highest driver compliance and is the most visible of all crosswalk markings9

RIGHT-ON-RED RESTRICTIONS

Reduces right-turn injury crashes by 38%10

pedestrian fatality 1111111111111111 ** ** ** ** ** **



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Data-Driven **Transformations**



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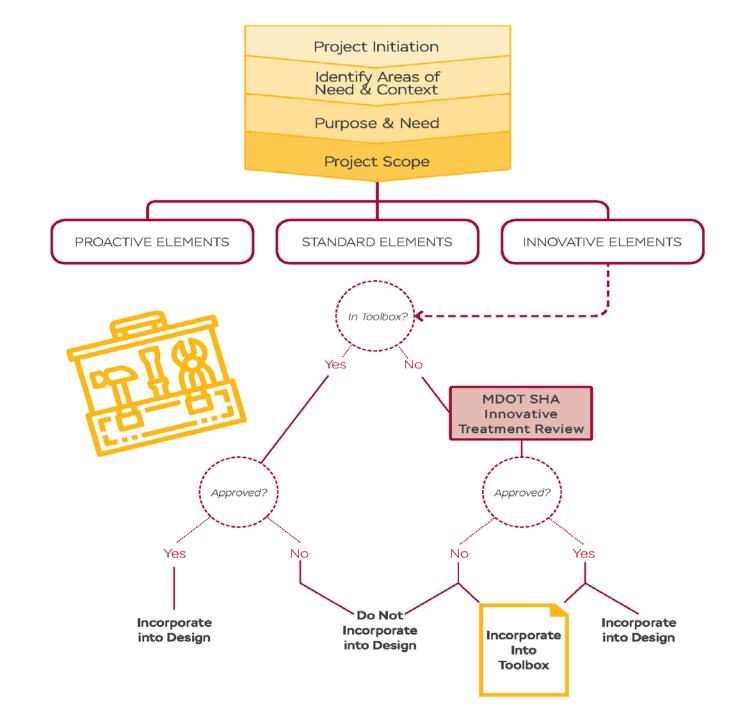






A New Approach

- Flexible
- Encourages
 Innovation
- Continuously
 Updated



Next Steps

Continually Supporting Innovative Solutions





CREATING **GUIDANCE** for today's **TRANSPORTATION CHALLENGES**

















Case Studies

Implementation of Lessons Learned

Stakeholder Feedback





- Proven solutions rooted in the surrounding context
- Flexibility to encourage innovation and communityspecific solutions



