

CAC SAFETY IDEAS

Highlighting Similar FHWA and NHTSA Countermeasures

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National Capital Region
Transportation Planning Board

CAC Generated Safety Improvement Ideas

Law & Order

- Prohibit right turn on red. Make laws consistent across the region.
- Reciprocity is uniquely cross jurisdictional.
- Require red light and speeding cameras around all schools in the region. (Cameras will be difficult in Virginia)
- Update laws so that attribution of blame is consistent in each jurisdiction.
- **Enforce speeding on neighborhood streets.**
- Automated enforcement of bike lanes, crosswalks, etc.
- Periodic (random) driver tests.
- Bike speed, stop at red lights, consistent rules for cyclists in the region.



CAC Generated Safety Improvement Ideas

Behavior

- Behavior modification (regional programs to deal with distracted driving).
- **Pedestrian safety enforcement in high-risk areas.**
- Too many new vehicles make it is easy to be distracted.
- How does congestion impact behavior? Are drivers in congested areas more distracted?
- Update driver education / re-testing drivers / understand bicycle hand signals



CAC Generated Safety Improvement Ideas

Engineering / Infrastructure

- Relationship between safety and land-use. How does land-use drive engineering / infrastructure decisions?
- Harden left-turns on intersections with speed limits greater than 40 miles per hour.
- **Actuated pedestrian crossings (blinking cross-walks). Pedestrian activated red lights.**
- Remove “slip” (right-turn) lanes.
- Provide more modal options.
- Understand the process for changing infrastructure in response to repeat collisions. How is it different jurisdiction to jurisdiction?
- Fences on traffic islands to prevent mid-block crossings (Maryland, Ocean City, etc.)
- Protected bike lanes. Regional protected bike lane targets.
- Close roads during commute times for bicycle and transit access.
- **Rumble / mumble strips in center line and edge line**
- **Make markers in street more visible**
- Limit local/cross jurisdictional traffic



Links to FHWA / NHTSA Countermeasures

CAC Idea	FHWA/NHTSA Safety Resources
Enforce speeding on neighborhood streets.	<p>NHTSA Countermeasures That Work: https://www.nhtsa.gov/sites/nhtsa.dot.gov/files/documents/812478_countermeasures-that-work-a-highway-safety-countermeasures-guide-.pdf</p> <p>See Chapter 3 pages 3-12 through 3-32. Current research indicates that the most effective speed-related enforcement countermeasures are 1) reducing speed limits, 2) automated enforcement, and 3) communication and outreach that supports enforcement.</p>



Links to FHWA / NHTSA Countermeasures

CAC Idea	FHWA/NHTSA Safety Resources
Pedestrian safety enforcement in high-risk areas	<p>NHTSA Countermeasures That Work:</p> <p>https://www.nhtsa.gov/sites/nhtsa.dot.gov/files/documents/812478_countermeasures-that-work-a-highway-safety-countermeasures-guide-.pdf</p> <p>Chapter 8 pages 8-8- and 8-9 provide this helpful summary...</p> <p>“Basic countermeasure principles include addressing those issues identified specifically through problem identification at the community level. Common themes include:</p> <ul style="list-style-type: none"><li>• Reducing vehicle speed, which allows pedestrians and drivers more time to react and reduces impact forces if crashes do occur.<li>• Conducting speed enforcement, especially at high risk crash locations (for pedestrian/motorist interactions).<li>• Reducing exposure to known risky situations through behavioral and environmental countermeasures (without necessarily discouraging walking).

Links to FHWA / NHTSA Countermeasures

CAC Idea	FHWA/NHTSA Safety Resources
Pedestrian safety enforcement in high-risk areas	<p>Continued...</p> <ul style="list-style-type: none">• Increasing enforcement of pedestrian-friendly laws addressing behaviors of both pedestrians and motorists.• Increasing the conspicuity of pedestrians and/or encouraging walking in areas of enhanced lighting for road crossing.• Reducing distracted walking or driving behaviors (cell phones, headphones, etc.). See the chapter on distracted and drowsy driving for countermeasures targeting drivers.• Decreasing walking or driving while impaired. See the chapter on strategies to reduce alcohol-impaired driving. Some of the countermeasures would be applicable to address any type of impaired roadway use.• Educating motorists and pedestrians on required safety behaviors related to specific laws to enhance safe interaction between motorists and pedestrians on the roadway.

Links to FHWA / NHTSA Countermeasures

CAC Idea	FHWA/NHTSA Safety Resources
Pedestrian safety enforcement in high-risk areas	<p>Continued...</p> <ul style="list-style-type: none">• Tailoring countermeasures to diverse populations, including groups such as recent immigrants who may not be familiar with U.S. traffic laws, the U.S. traffic environment, may not speak or read English or may not be literate in their native language.”



Links to FHWA / NHTSA Countermeasures

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Actuated pedestrian crossings (blinking cross-walks). Pedestrian activated red lights.	FHWA Proven Safety Countermeasure: https://safety.fhwa.dot.gov/provencountermeasures/ped_hybrid_beacon/ Related countermeasures: https://safety.fhwa.dot.gov/provencountermeasures/lead_ped_in/ https://safety.fhwa.dot.gov/provencountermeasures/ped_medians/ https://safety.fhwa.dot.gov/provencountermeasures/blackplate/



Links to FHWA / NHTSA Countermeasures

CAC Idea	FHWA/NHTSA Safety Resources
Rumble / mumble strips in center line and edge line	FHWA Proven Safety Countermeasure: https://safety.fhwa.dot.gov/provencountermeasures/long_rumble_strip/
Make markers in street more visible	Related countermeasure: https://safety.fhwa.dot.gov/provencountermeasures/enhanced_delineation/

