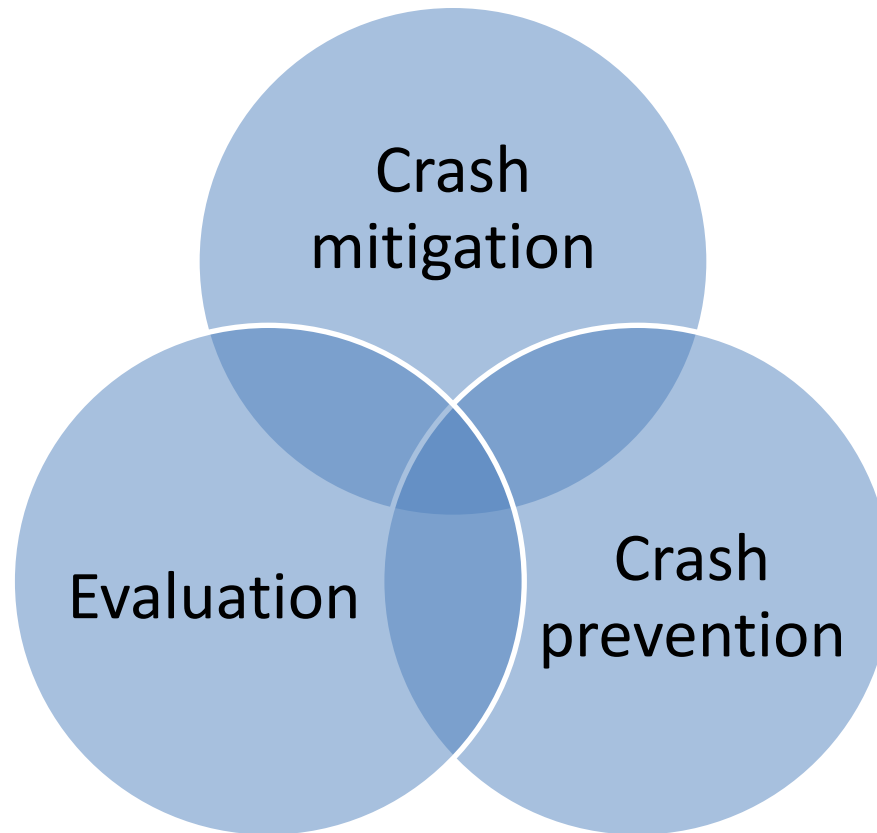


# A comprehensive “Safe Truck” approach



# Evaluate and prioritize to save the most lives

- Different sideguard designs
- Bus wheel guards
- Blind spot mirrors
  - Front
  - Side
- Blind spot cameras
  - Directional
  - 360-degree
- Blind spot Fresnel lenses
- External sensors
  - Ultrasonic, radar, etc.
  - Interior/exterior alerts
- Turn alarms (manual or automated)
  - Audible
  - Visual
- Human factor and operator training implications
- Educational messaging: external and internal



# Opportunity for Cambridge

- ❑ Lead other U.S. cities and the nation in truck/bus-based safety for bicyclists and pedestrians
  - Pilot **multiple** safety technologies (including different sideguard, mirror, lens, sensor, and messaging designs) with limited U.S. experience but with international precedence
  - Launch innovative public awareness and education programming
  - Transfer key findings statewide or nationally to other cities via USDOT
  - Potentially develop voluntary program for all truck fleets that operate on Cambridge streets to promote the most effective safety technologies
- ❑ Start where these Boston and NYC safety initiatives left off:
  - <http://www.volpe.dot.gov/news/engineers-resourcefulness-drives-investment-boston-bike-safety-initiative>
  - <http://www.volpe.dot.gov/news/engineers-passion-pedestrian-and-bike-safety-leads-partnership-with-nyc>

## Mayor Walsh Wants ‘Truck Side Guards’ on All Vehicles Contracted by the City

The guards would keep cyclists from getting pulled under a vehicle’s wheels in the event that a driver doesn’t see them.

By Steve Annear | Boston Daily | September 9, 2014 10:13 am

**NYC** Citywide Administrative Services | Fleet

## NYC FLEET NEWSLETTER



Bill de Blasio, Mayor  
Stacey Cumberbatch, DCAS Commissioner  
Keith T. Kerman, Chief Fleet Officer

MAY 16, 2014

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DCAS PARTNERS WITH US DOT TO STUDY TRUCK SIDE GUARDS KEITH KERMAN