

Safety Pilot Project

Fort Myer Drive & Eastbound Langston Blvd Pedestrian Safety Pilot Data Overview

Project Description: This pilot (1) reduced vehicle turning conflicts with people walking or biking across the east leg of the intersection and (2) increased visibility and awareness of people crossing eastbound Langston Blvd by removing one of the southbound Fort Myer Drive left turn lanes. Left turns are still permitted from the far-left lane. The project team also added a Leading Pedestrian Interval (LPI) to give the pedestrian a heads start during the walk phase.

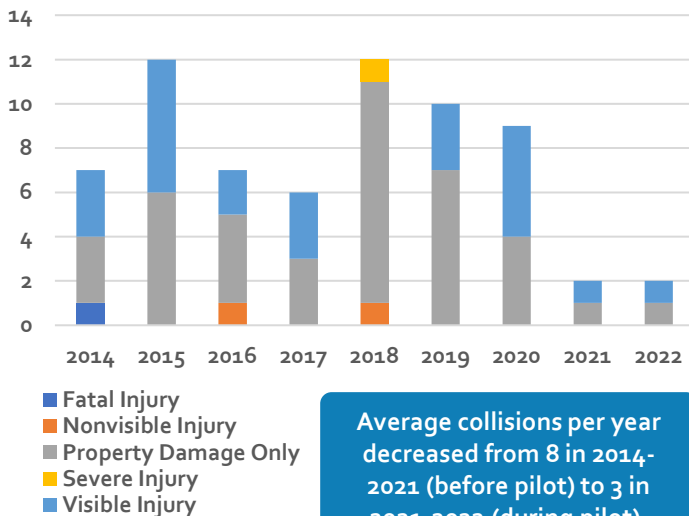
Performance Measures:

- Qualitative before/after review of driver-pedestrian interactions (via 2-day video footage)
- Qualitative review of traffic queuing on Fort Myer Dr (via CCTV streaming checks conducted over a 6-month period)
- Analysis of before/after crash data

Findings: Before and after data from the pilot period showed significant reduction in pedestrian-to-vehicle conflicts given the LPI and turn lane removal and a significant reduction in crash rates. See figures below. Observational data also showed a reduction in potential near misses and only sporadic instances where traffic backed up to the Key Bridge.

Removal of the outer left turn lane and addition of the Leading Pedestrian Interval (LPI) phase now **allows 40% of pedestrians to cross with no vehicle conflict.**

Crashes at Fort Myer & Langston EB



Pedestrian/Bike Crashes at Fort Myer & Langston EB

