

SILVERMAN PARK VISION ZERO TRAFFIC CALMING DEMONSTRATION

Final Report



ABOUT THE PROJECT

On June 15, Montbello Walks, Montbello 20/20, Councilwoman Stacie Gilmore, and WalkDenver co-hosted a temporary traffic calming demonstration event at Silverman Park to test out design ideas that would encourage drivers to slow down, improve pedestrian and bicycle connectivity, and make the intersection at Andrews Dr & Tulsa Ct a safer and more pleasant place to access the park.

Using tires, beach balls, and painted roofing paper, we created a traffic circle in the center of the bridge over the Andrews Drive canal to make vehicle turning movements clearer, extended the curbs to reduce the width of the over-sized travel lanes, laid out crosswalks, simulated a pedestrian crossing signal, and even set up a pop-up bus shelter!



WHAT IS VISION ZERO?

Vision Zero is a transportation safety philosophy that was developed to eliminate traffic deaths and serious injuries in the transportation system. Everyone has the right to safely travel on our streets no matter where they are going or how they travel. That is why the City and County of Denver is committed to eliminating traffic deaths and serious injuries by 2030 through a Vision Zero program. Learn more at denvergov.org/visionzero

WHAT IS TRAFFIC CALMING?

Traffic calming uses physical design and other measures to improve safety for all users of a street. Techniques can include curb extensions, reduced turning radii, bike lanes, and raised crosswalks. It aims

to encourage safer, more responsible driving, reduce dangerous traffic speeds, and encourage the use of other modes of travel. Temporary demonstrations like this are used to test out potential design changes and gather community feedback.

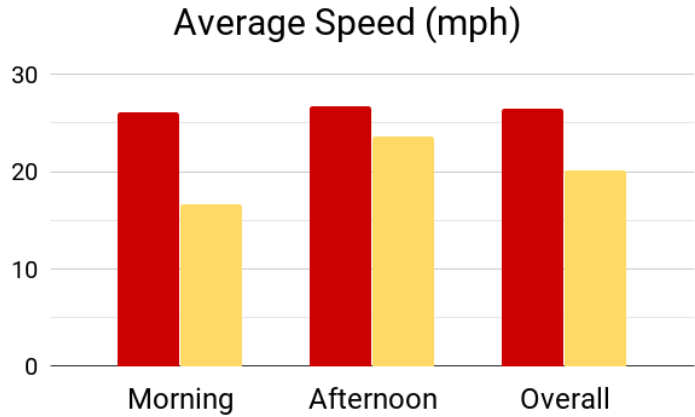


DATA ANALYSIS

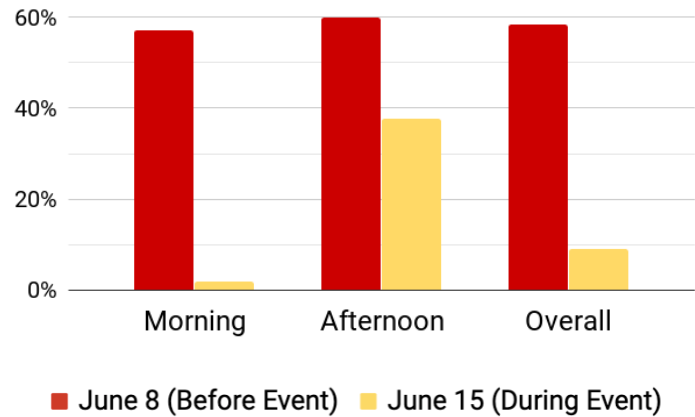
SPEED DATA RESULTS

Vehicle speed data was collected one week before and during the event to measure the effects of the pop-up. Speed management is a critical component of Vision Zero because it is one of the most influential factors in crash severity and frequency.

The speed limit along Andrews Dr is 25 mph but because it is a wide road with few stops, the majority of drivers often speed through the intersection with Tulsa Ct. The demonstration had a significant effect on vehicle speeds, reducing overall speeds from an average of 26 mph to 20 mph and the percentage of drivers traveling over the speed limit near the park from 58% to just 9%.



Percent of Drivers Going Over Speed Limit



SURVEY RESULTS

We also surveyed visitors to the park about the design ideas tested during the demonstration, and the feedback was overwhelmingly positive. The vast majority of respondents said they felt that crosswalks, curb extensions, and a pedestrian crossing signal would make it safer and easier to travel through this intersection.

If these treatments were installed at Andrews & Tulsa, would you...

	...feel safer crossing the street?	...be more likely to walk to the park?
 CROSSWALKS	100% said yes	100% said yes
 PEDESTRIAN CROSSING SIGNALS	86% said yes	80% said yes
 CURB EXTENSIONS	93% said yes	87% said yes