## INTERSECTION REDESIGN INTEGRATING TACTICAL URBANISM

Kaylie Duffy | BE 505 Studio | Winter 2018

## CONTEXT MAP

The crosswalk at the intersection of Rainier Ave and Mt Baker Blvd is unsafe. The er Ave to see pedestrians crossing the intersection. Quick right turns onto Mt Baker Blvd could cause a serious or fatal accident. Thankfully, the Accessible Mt Baker project plans to redesign this intersection; however, in the meantime the crosswalk neecs to be shorten


## PLAN VIEW



PRECEDENT \#1: AUSTIN, TX
The busy intersection of East Sixth Street and Waller Street in Austin, Texas needed some safety upgrades. There were 20 crashes there during 2015 alone. To mitigate
further accidents, the citys Transportation Department installed an all-way stop along with more viside pedestrian markings. They used colorul polka dots and bolards to mark the pedestrian space.


EAST FACING SECTION

PRECEDENT \#2: CHICAGO, IL
The Lincoln/Wellington/Southport intersection on Chicagos North Side was redesigned in 2015 using polka dots to mark expanded pedestrian space at street corner
Plastic bollards and large planters provided additional protection for pedestrians. The temporary dots are supposed to last for three years, at which point the city has planned a permanent improvement.


REDESIGN MATERIALS \& COST The tactical urbanism elements of the proposed design are low in price, while the me
 erformance delineator posts Typical Dimensions: 27 in. -36 in. high Estimated Cost: $\$ 84-\$ 90 /$ per delineator
Overview: Place along edge of curb extension every few feet Overview: Place along edge of curb extension every few feet
as desired. They remain flexible and can fully rebound even after 100 hits at 60 mph .
acrylic asphalt paint
Typical Dimensions: Usually sold in 5 gallon containers Estimated Cost: $\$ 110 /$ unit Overview: Acrylic asphalt paint can be used to paint the interior of the crosswalk. Anyone can apply the paint, and
it will last typically $1-3$ years.

THERROPLASTIC
Typical Din Estimated Cost: $\$ 14-\$ 20 /$ sq. fft Overview: Use white retroffective thermoplastic pre-
formed strips for borders of crosswalk.
median island with two curb ramps Typical Dimensions: 6 ft . wide
Estimated Cost: $\$ 535-\$ 1,065 / \mathrm{sq}$
overview: The raised island is placed in the center of the street to protect pedestrians from motor vehicles. Typical total costs range from $\$ 3,500$ to $\$ 40,00$, depending on the de
sign, site conditions, and whether the median can be added as part of a utility improvement or other street construction project.

SOUTHEAST FACING PERSPECTIVE


