

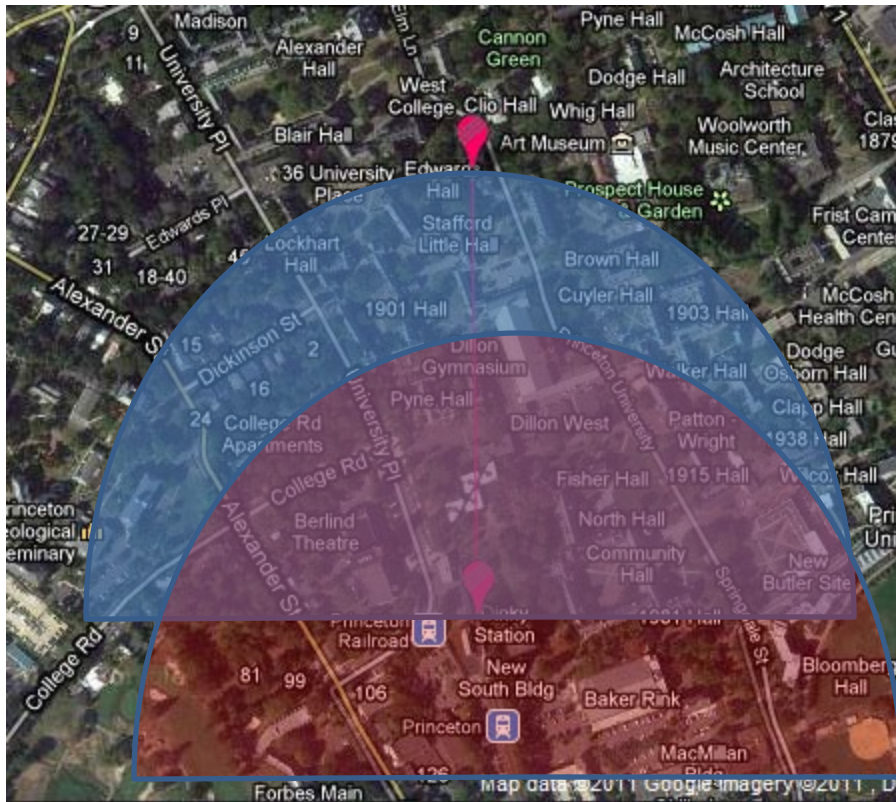
Walk&Ride Accessibility Lost by Moving the Dinky Terminus South

Assumptions:

1. All walk in a straight line to the station
2. All Walk&Ride trips production/attraction are uniformly distributed in the half plane north of the current terminus.
3. Walk&Ride Area Lost $\approx R * D * (2 * \cos \theta + \sin \theta)$
where R = prime walk distance
 D = Distance Terminus moved (460 ft)
 $\theta = \sin^{-1} (D/R)$

¼ Mile Walk&Ride Accessibility Analysis

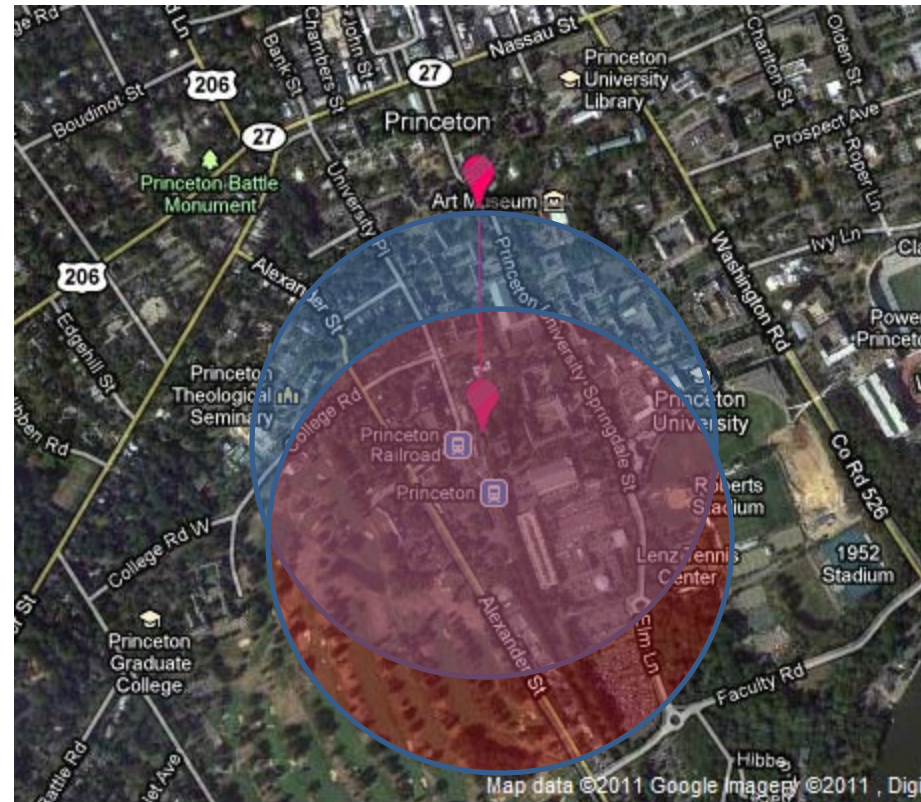
<http://www.daftlogic.com/projects-google-maps-distance-calculator.htm>



¼ Walk&Ride Service Areas
49% Prime Walk&Ride Area Lost

<http://www.daftlogic.com/projects-google-maps-distance-calculator.htm>

0.252 Miles KM Nautical Miles Metres Feet



Nothing is gained to the south to offset the losses to the north

<http://www.daftlogic.com/projects-google-maps-distance-calculator.htm>

0.252 Miles KM Nautical Miles Metres Feet

1/2 Mile Walk&Ride Accessibility Analysis

<http://www.daftlogic.com/projects-google-maps-distance-calculator.htm>



1/2 Walk&Ride Service Areas
24% Prime Walk&Ride Area Lost

<http://www.daftlogic.com/projects-google-maps-distance-calculator.htm>

0.500 Miles KM Nautical Miles Metres Feet



Nothing is gained to the south to off-set the losses to the north

<http://www.daftlogic.com/projects-google-maps-distance-calculator.htm>

0.500 Miles KM Nautical Miles Metres Feet

Conclusions:

Walk&Ride Accessibility Analysis

- 49% loss of ¼ mile prime walking area implies loss of Walk&Riders could be as high as 49% and a 25% loss of Dinky ridership.**
- 24% loss of ½ mile walking area implies at least a 24% loss of Walk&Riders and at least a 13% loss of Dinky ridership**