NEW YORK STATE GIS ASSOCIATION

2017 GIS Applications Award
FINALIST

ONONDAGA COUNTY SUSTAINABLE STREETS PROJECT: SIDEWALKS

In 2013, the Syracuse Metropolitan Transportation Council (SMTC) developed the region's first pedestrian demand model, designed to assist municipalities in prioritizing pedestrian infrastructure investments (sidewalks, pedestrian signals, etc.). This model uses GIS software to combine factors like distance to schools, population density and a variety of demographic features. Where these inputs overlap, the model produces higher scores, shown graphically as "hot" areas on a heat map. These hotspots form the basis for the Priority Zones: areas identified as having a high potential for pedestrian activity. In the Priority Zones the costs of sidewalks, particularly on major roadways, are likely to be more than outweighed by their benefits.

It is with great pleasure that we recognize the Syracuse Metropolitan Transportation Council for the achievements in the development of the regions first pedestrian demand model.

Awarded: October 2017

Colin Reilly, President