

Operational Evaluation of Virginia's First Mini-Roundabout

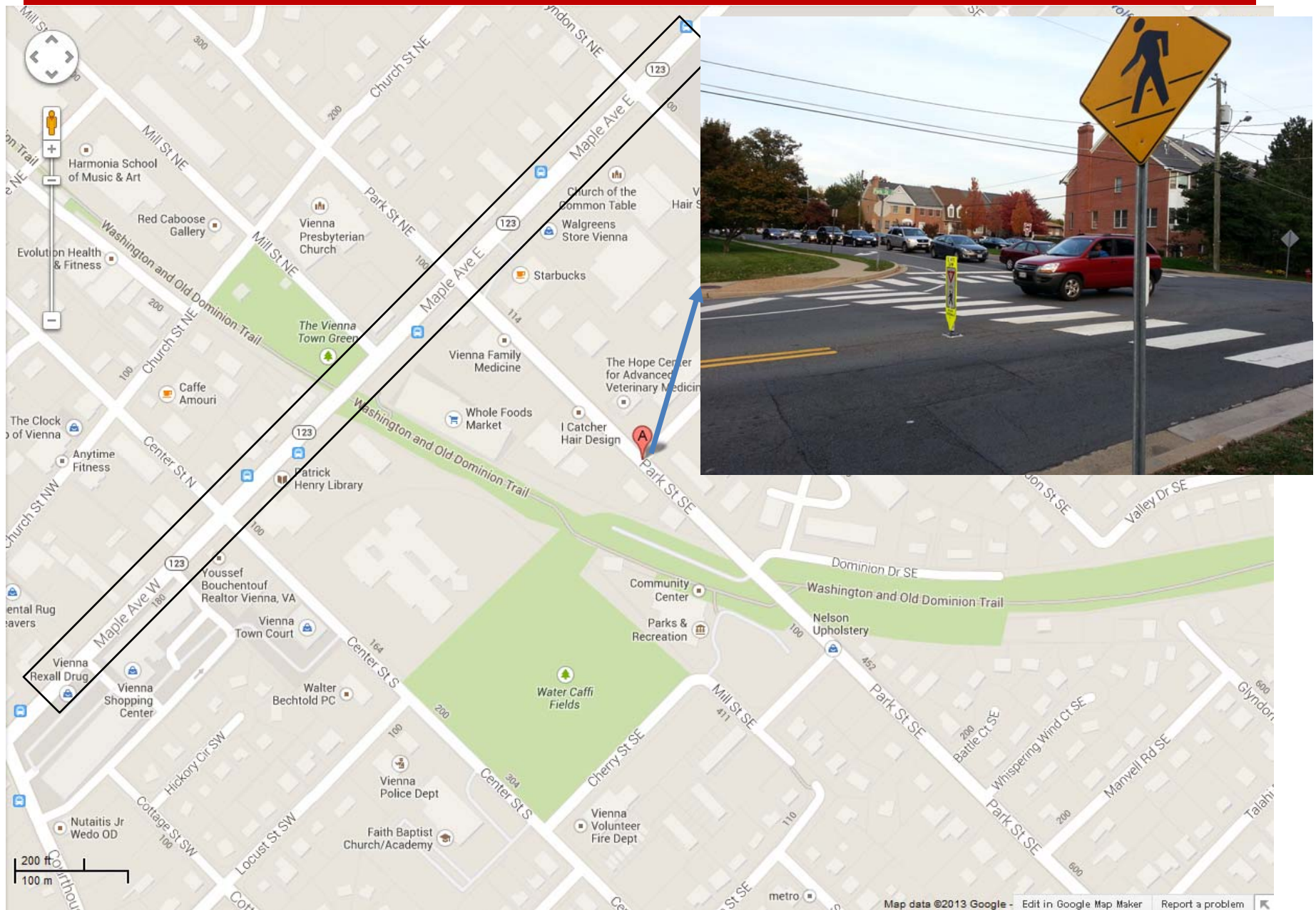
**Wei Zhang, Ph.D., P.E.
Highway Research Engineer
Federal Highway Administration**

**Nopadon Kronprasert, Ph.D.
Lecturer
Chiang Mai University**

**Ahmed Amer, Ph.D.
Transportation Engineer
VHB**

**S14 What is Happening Lightning Round
10:30 am – 12:00 pm, May 23, 2017
5th Urban Street Symposium
Raleigh, NC**

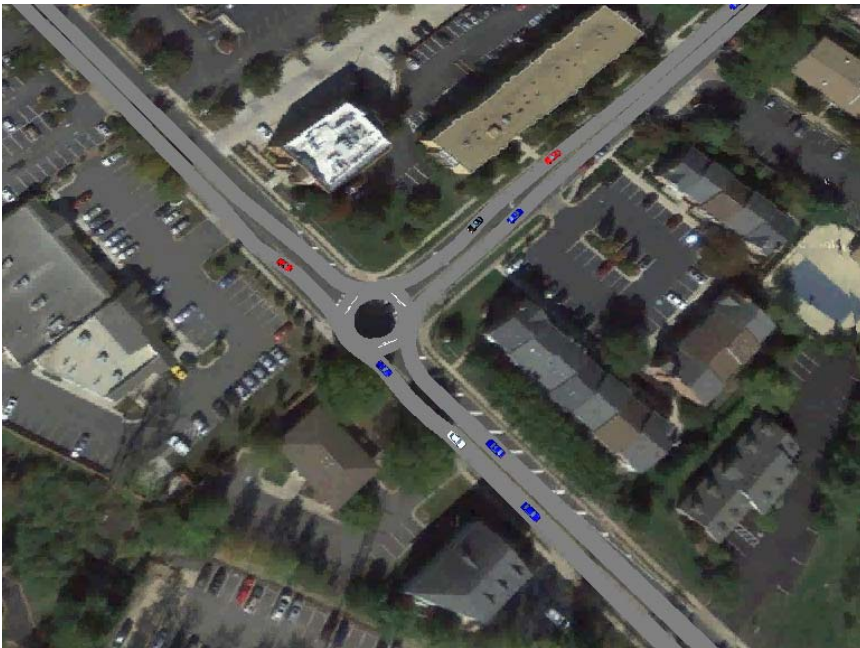
Background



Scenarios Considered



← No Build,
TWSC



← Mini-
Roundabout



↑
AWSC

Completed August 2016



Funding:

FHWA \$211,200

Local match: \$52,800

Other: about \$50,000

Results

- **Queue on Locust St. eliminated**
- **Pedestrians and Bicyclists feel much safer to cross the street**
- **Remaining issues**
 - **Still have drivers stop in the circulating lane**
 - **School district needs to be educated**

Questions?

**Wei Zhang, Ph.D., P.E.
Highway Research Engineer
Federal Highway Administration**

**Tel: 202-493-3317
Email: [wei.zhang @dot.gov](mailto:wei.zhang@dot.gov)**