

# Transportation Engineering Tools for City Engineers

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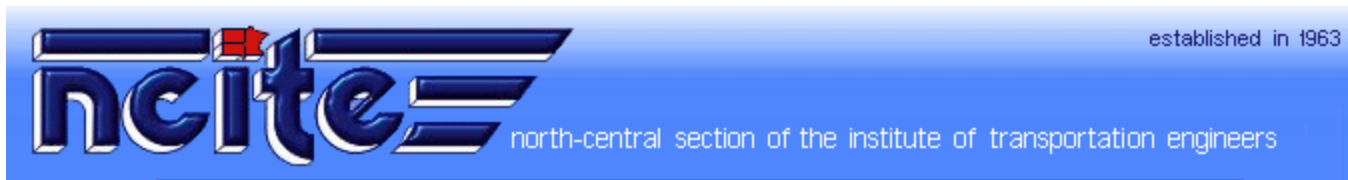


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- [www.ite.org](http://www.ite.org)
  - Technical Website Links
    - Past Journal Articles, Archives of Discussion Groups
  - Bookstore
- [www.nc-ite.org](http://www.nc-ite.org)
  - Traffic/Transportation Related Technical Committees
  - Newsletter
  - Affiliate memberships available

# Need a Signal?

<http://www.dot.state.mn.us/trafficeng/safety/ice/ICE-TechMemo.pdf>





# Stop Sign Call

- Stop signs are effective at assigning right-of-way, not controlling speed
- All Way Stops
  - MUTCD Volume and Accident warrants
  - Restricted Sight Distance
  - <http://www.ci.troy.mi.us/TrafficEngineering/Multiway.htm>
- Underlying issue SPEED
  - Perception Only?
  - “Traffic Calming” Techniques
  - [www.mn-traffic-calming.org](http://www.mn-traffic-calming.org)



# School Safety

- CDC: 1/2 of kids who die are killed in a crash
- <http://spackconsulting.com/resources.php>
- <http://safety.fhwa.dot.gov/saferoutes/>
- <http://www.dot.state.mn.us/saferoutes/>
- <http://www.dot.state.mn.us/trafficeng/otepubl/mutcd/mnmutcd2007/Part7.pdf>
- Safe Routes to School



# Crosswalks

- MARKED vs. UNMARKED crosswalks
- NCITE DRAFT Pedestrian Crosswalk Guidelines
- <http://ntl.bts.gov/lib/19000/19000/19031/PB2002104240.pdf>
- Minnesota State Statutes (169.21)
- <http://www.dot.state.mn.us/peds/>
- <http://www.dot.state.mn.us/metro/trafficeng/pedguide.pdf>



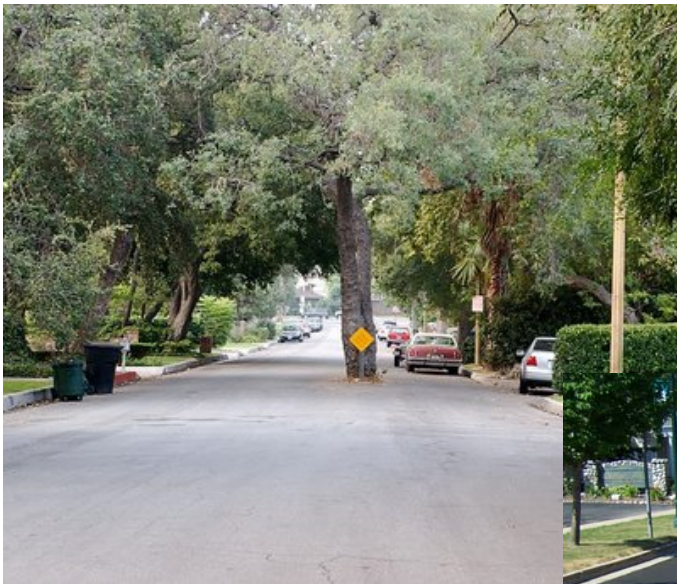
# MN Crash Mapping Analysis Tool

- [http://www.dot.state.mn.us/stateaid/res\\_crash\\_map\\_tool.html](http://www.dot.state.mn.us/stateaid/res_crash_map_tool.html)
- <http://www.dot.state.mn.us/trafficeng/otepubl/fundamentals/safetyfundamentals.pdf>
- # vs. Rate
- Comprehensive or Spot



# Neighborhood Safety Audits

<http://safety.fhwa.dot.gov/rsa/rsaguidelines/html/index.htm>



# Signals

- Signal Timing Updates
- Signal Maintenance/Preventive Maintenance
- [http://www.nc-ite.org/inter\\_control.html](http://www.nc-ite.org/inter_control.html)
- <http://www.ite.org/reportcard/>



# Field Checks



# Field Checks Top 10.5

1. Trees Blocking Signs
2. Bad Signs
3. Sight Corners
4. Signal Bulbs
5. Bad Queues
6. Bad Pavement
7. Street Lights
8. Running Stop Signs or Signals
9. Speeding
10. Bad Construction Zones/Detours
- 10.5 Trees Hanging Over Sidewalks

# Thank You!

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Additional Links and Resources @ [www.nc-ite.org/ceam](http://www.nc-ite.org/ceam)

Presentation @ <http://spackconsulting.com/resources.php>