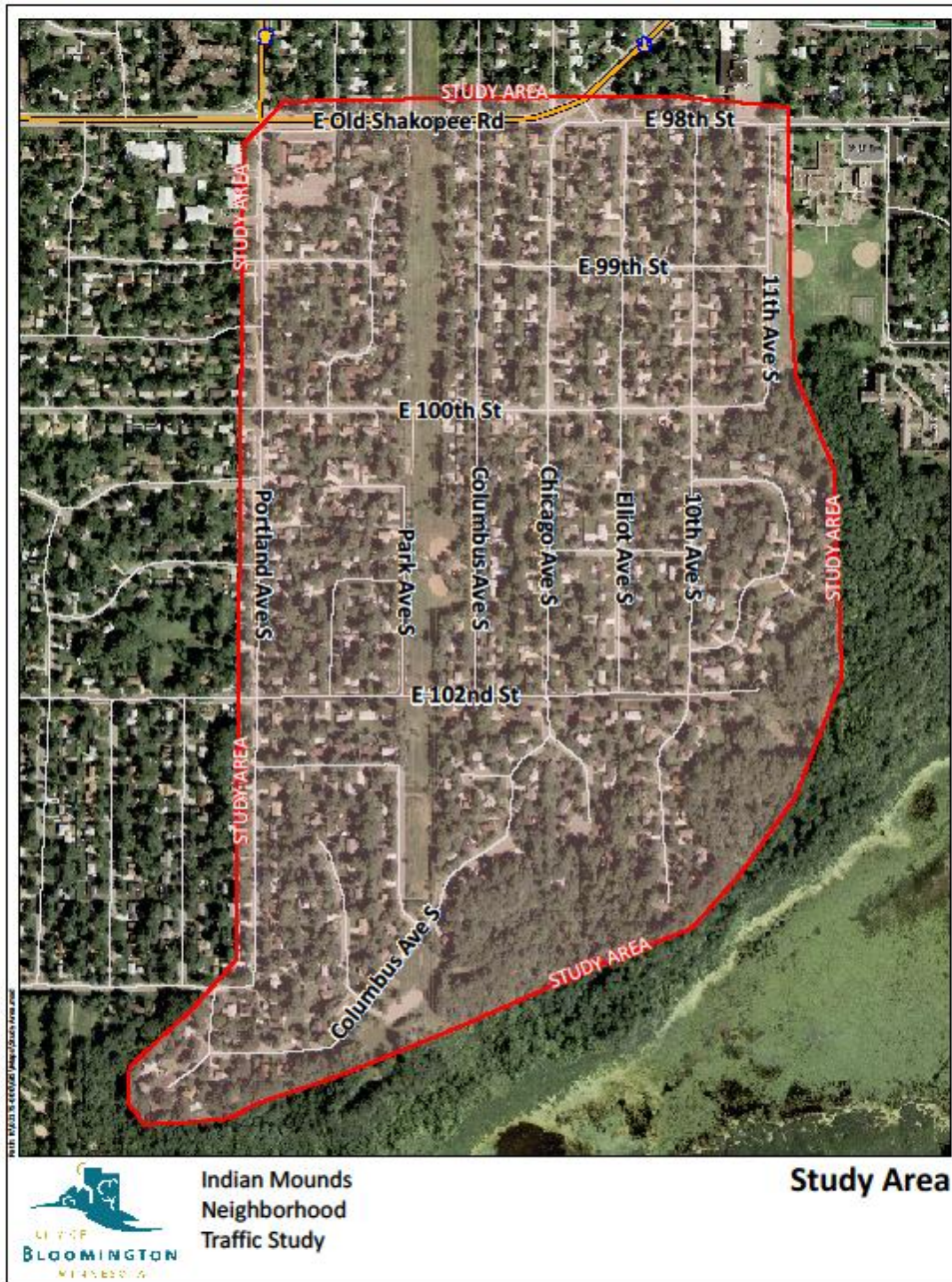


INDIAN MOUNDS NEIGHBORHOOD TRAFFIC STUDY

Public Open House
Indian Mounds Elementary School
April 25, 2013





Purpose of Open House

- ▣ Review study purpose, objective and process
- ▣ Update neighborhood on data collection
- ▣ Discuss identified neighborhood traffic issues and concerns
- ▣ Discuss alternative solutions
- ▣ Receive public input on issues and solutions

Study Objectives

- ▣ Improve safety
- ▣ Apply least restrictive control type possible
- ▣ Intersection control consistency
- ▣ Not to promote cut-through traffic or diversion of traffic
- ▣ Not to promote speeding

Study Purpose

- ▣ Identify neighborhood issues:
 1. Traffic operations (signing, pavement markings, pedestrians, sight distance, etc.)
 2. Crashes
 3. Speeding
 4. Cut-through traffic
- ▣ Determine potential low impact, low cost improvements

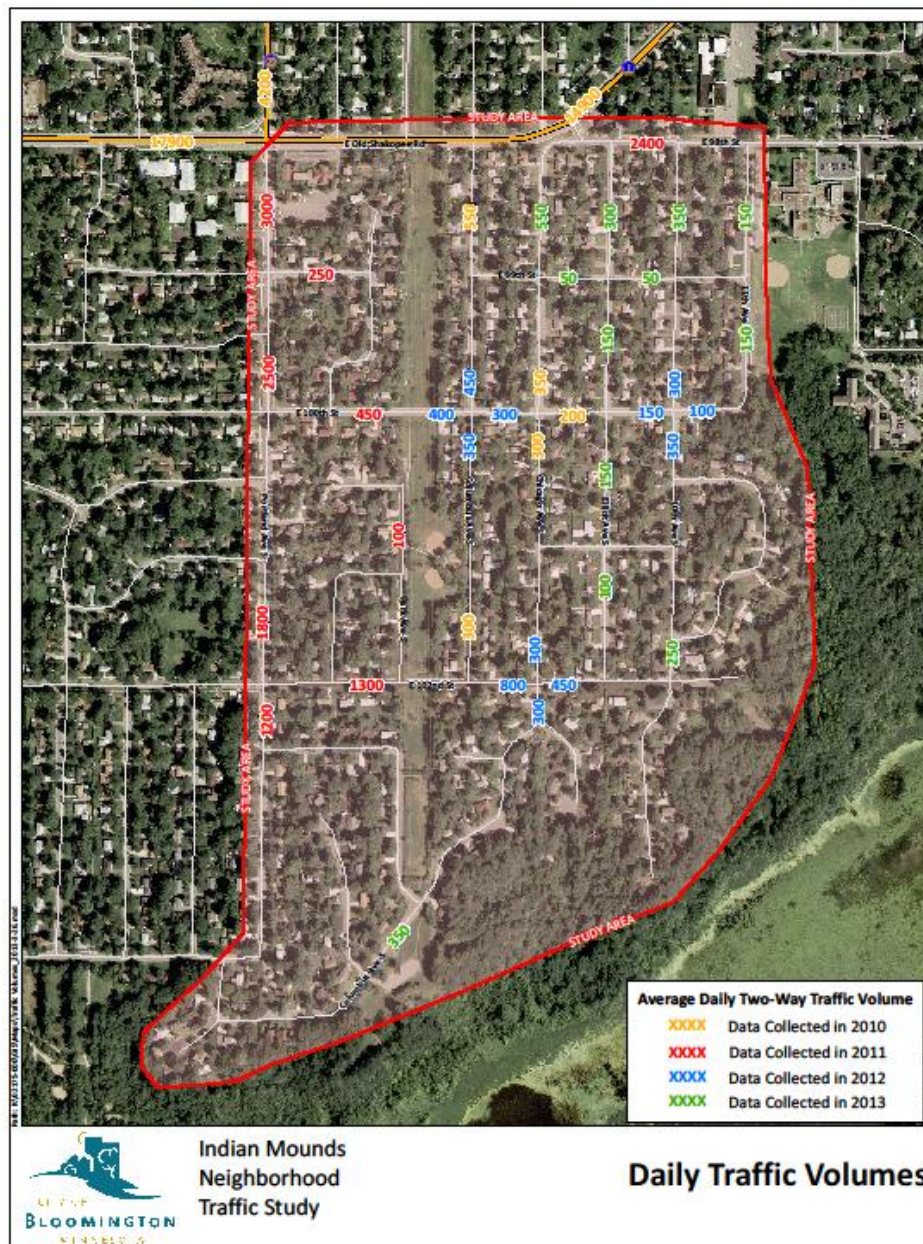
Study Process

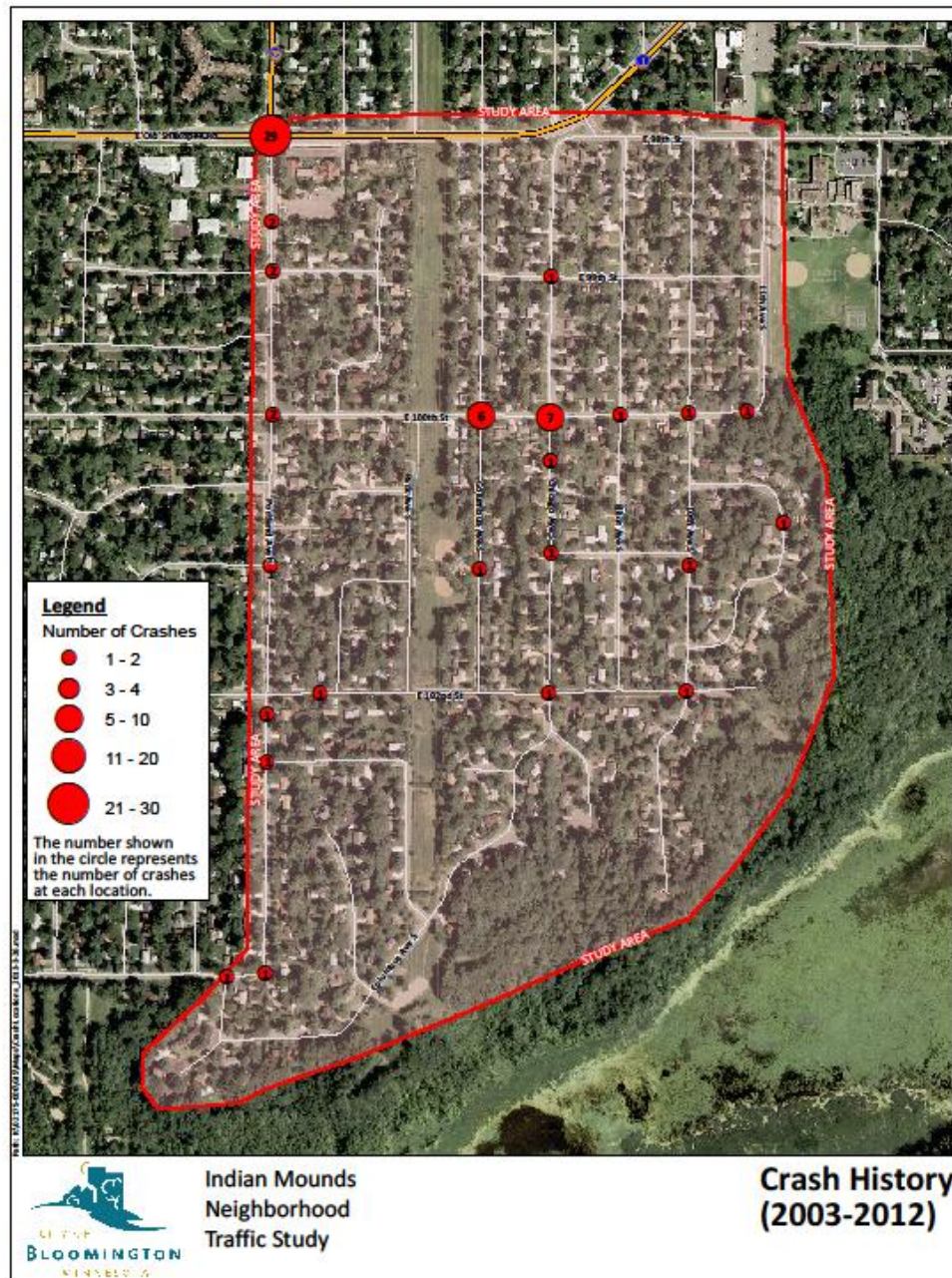
- ▣ Collect existing data – Completed
- ▣ Gather neighborhood input - Completed
- ▣ Collect additional data – Completed
- ▣ Conduct preliminary analysis - Completed
- ▣ Present findings to neighborhood for additional input – Tonight
- ▣ Present findings to City Council
- ▣ Prepare final report and recommendations

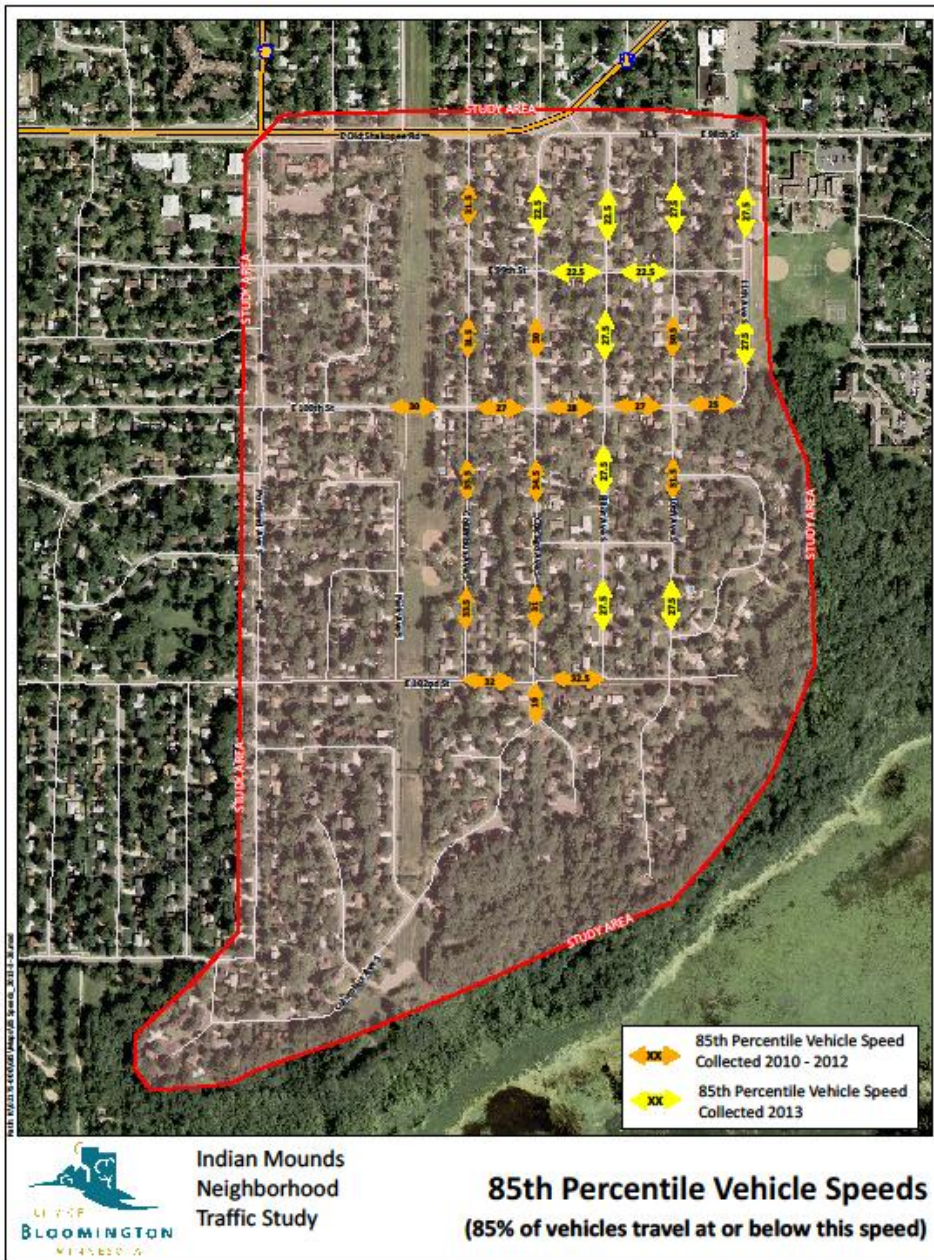
Updated Data Collected

- ▣ Traffic Volumes
- ▣ Crashes
- ▣ Speed









Identified Issues

- ▣ Neighborhood comments:
 - Intersections (Safety)
Columbus Ave at 100th St , 10th Ave at 100th St,
Chicago Ave at 102nd St, 98th St at Old Shakopee Rd
 - Street segments (Speed)
Columbus Ave, Chicago Ave, Elliot Ave,
10th Ave, 100th St, 102nd St
 - Pedestrians
Sidewalks, school access

Identified Issues (cont.)

- ▣ Safety
 - Criteria
 - ▣ 1 crash/year for three years, or
 - ▣ More than 3 crashes in one year
 - Columbus Ave at 100th St
 - ▣ Balanced approach traffic (vehicle right-of-way)
 - Chicago Ave at 100th St
 - ▣ Balanced approach traffic (vehicle right-of-way)

Identified Issues (cont.)

▣ Speed

■ Criteria

- ▣ 85% speed greater than posted speed (30 mph)
- Columbus Ave south of 100th St = 35.5 mph
- Columbus Ave north of 100th St = 31.5 mph
- Chicago Ave south of 100th St = 34.5 mph / 31 mph
- Chicago Ave north of 100th St = 30.5 mph
- 10th Ave south of 100th St = 31.5 mph
- 10th Ave north of 100th St = 30.5 mph
- 102nd St , 10th Ave to Columbus Ave = 32 mph / 32.5 mph
- 100th west of Columbus Ave = 30 mph

Identified Issues (cont.)

- ▣ Cut-through Traffic
 - Area traffic generation
 - ▣ ITE Trip Generation = 4100 trips
 - ▣ Screen line count = 3900 trips
 - Travel time
 - ▣ Old Shakopee Rd at 98th St to Lyndale Ave at 102nd St
 - ▣ One minute saving via Columbus Ave to 102nd St
 - ▣ Traffic signal delays on Old Shakopee Road

Opportunities

▣ Safety

- Crash history – 1/yr for three years or greater than 3 in one year
- Signing and pavement markings -
 - Advance warning signs – where intersection control is in place and/or crashes indicate that sight line to intersection is an issue
 - Advance warning “Blinker” signs – should be used in extreme cases with limited sight distance
 - Pavement markings – where crashes indicate issues with vehicles staying in there own lane

Opportunities (cont.)

- ▣ Safety (cont.)
 - Sight distance – adequate sight triangle
 - Lighting – significant crashes at night
 - Traffic control change
 - Yield signs – used to assign right-of-way where there is balanced traffic on all approaches
 - Stop signs – where sight distance can not be improved or, where traffic volumes meet MnMUTCD warrants for an all-way stop

Opportunities (cont.)

- ▣ Speed
 - Additional enforcement
 - Speed Limit signs
 - Driver feed-back (dynamic) speed signs
- ▣ Cut-through traffic
 - Traffic Calming for Bloomington Neighborhood Local Streets

Recommendations

- ▣ Safety
 - Yield Signs -
 - Columbus Ave at 100th St approaching 100th St
 - Chicago Ave at 100th St approaching 100th St
 - Monitor Intersections – observation after 1 year and follow up after 3 years
 - Elliot Ave at 100th St
 - 10th Ave at 100th St
 - Columbus Ave at 102nd St
 - Chicago Ave at 102nd St

Recommendations (cont.)

- ▣ Speed
 - Additional enforcement –
 - Columbus Ave north of 100th St
 - 10th Avenue south of 100th St
 - 102nd St, 10th Ave to Portland Ave
 - 100th St west of Columbus
 - Driver feed-back signs -
 - Columbus Ave south of 100th St
 - Chicago Ave south of 100th St
- ▣ Cut-through traffic
 - Signal timing / phasing changes at Old Shakopee Rd and Portland Ave

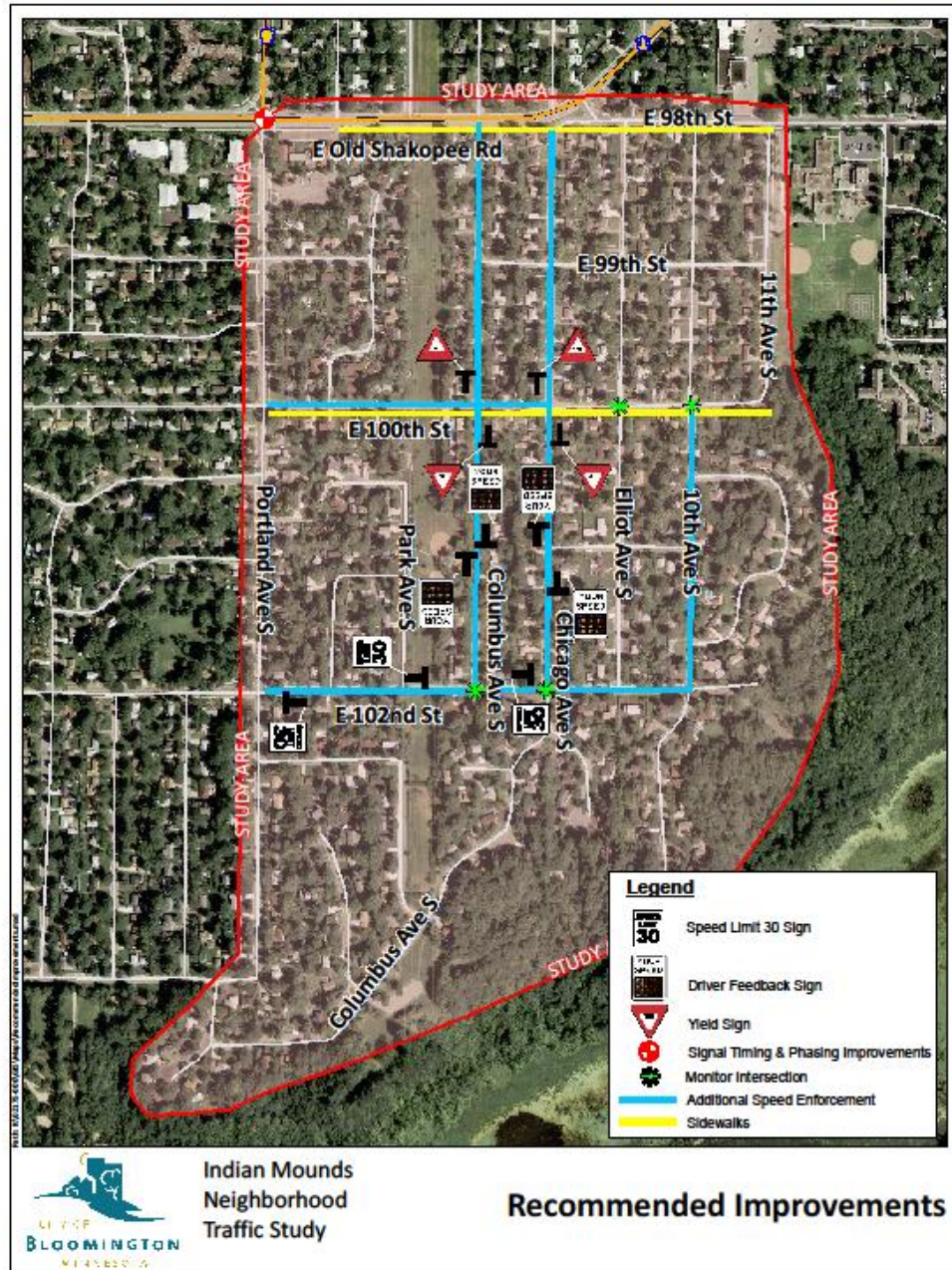
Recommendations (cont.)

▣ Pedestrians

- Safe Route to School recommendations
 - Sidewalk on 100th St, Portland Ave to 11th Ave
 - Sidewalk on south side of 98th St, Portland Ave to 11th Ave
 - Pedestrian ramps on 11th Ave at 99th St

▣ General

- Observation of recommendations in one year and follow up review of data in three years.
- If issues still persist follow the Cities “Traffic Calming for Bloomington Neighborhoods Local Streets” policy and procedures



Next Steps

- ▣ May – City Council meetings
- ▣ June – Final report
- ▣ Summer 2013 – Implement approved recommendation (based on funding availability)

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Keyword – Indian Mounds



Questions ??

