WELCOME!

The Manchester Road Meeting #1 Will Begin Soon.

Please use this time to complete an optional, anonymous demographic questionnaire

Technology Overview – Things to Know

- Attendee video cameras are disabled (we can't see you)

- Attendee screen share is disabled

- All attendees are muted (instructions to unmute will be covered)

- You can leave and rejoin the meeting at any time (unless the meeting is at capacity, or you are removed for inappropriate behavior)

- Multiple opportunities for questions will be provided throughout the presentation

- Presentation and additional materials are available at a2gov.org/TCManchester

Project Team

Lori Pawlik, PE, PTOE (she/her)
Wade Trim
Consultant Traffic Engineer
PE: Professional Engineer
PTOE: Professional Traffic Operations
Engineer

Kristy Thullen, EIT (she/her)
Wade Trim
Consultant Engagement
Coordinator
EIT: Engineer-in-Training

Chris Wall, PE, PTOE (he/him)
Wade Trim
Consultant Client Manager
PE: Professional Engineer
PTOE: Professional Traffic Operations
Engineer

Ann Arbor Support Staff

Andrea Wright (she/her)
City of Ann Arbor
Engineering Analyst
Program Facilitator

Luke Liu, PE (he/him)
City of Ann Arbor
Transportation Engineer
PE: Professional Engineer

Meeting Agenda

I. Zoom Technology Overview
II. Meeting Norms
III. Traffic Calming Process
- Resident-Initiated Petition
- Initial Questionnaire
- Meeting #1
  - Device Toolbox
  - Starter Idea
  - Feedback Exercise
- Meeting #2
- Final Polling
IV. Next Steps

Technology Overview – Ask a question/share a comment

Note: When you raise your hand, the host will enable your microphone. The host will disable your microphone after your question.
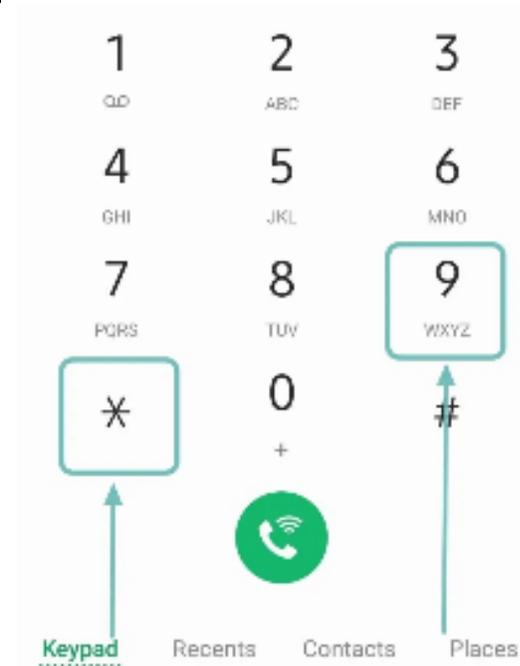
Computer

- Select **Raise Hand**
  - You will be identified by the name provided when you entered the meeting
  - Select **Lower Hand** if needed
- **Q&A:**
  - Type your question
  - Check **Send Anonymously** if you do not want your name to be publicly visible with your Question
  - Click **Send**
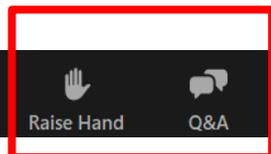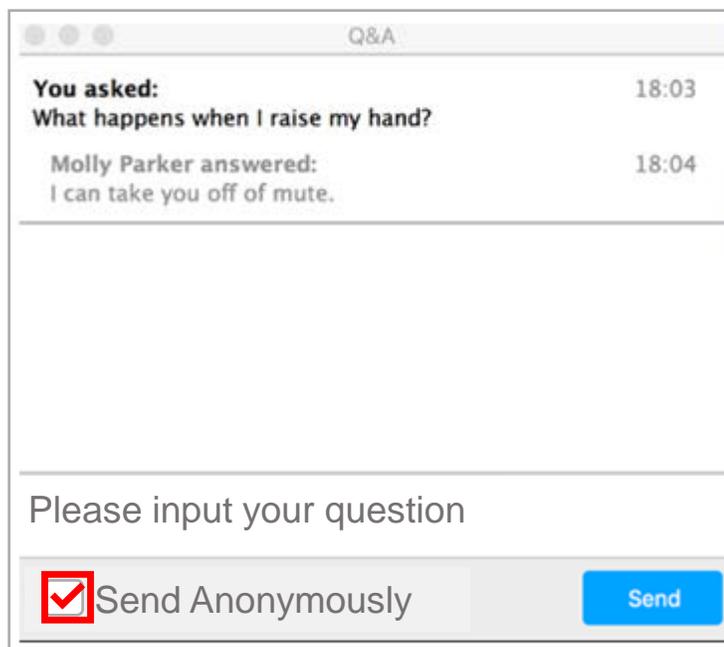
Phone

- Select *9 to raise your hand
- You will be identified by the last 3 digits of your phone number

Q&A

You asked: 18:03
What happens when I raise my hand?

Molly Parker answered: 18:04
I can take you off of mute.

Please input your question

☑ Send Anonymously   Send

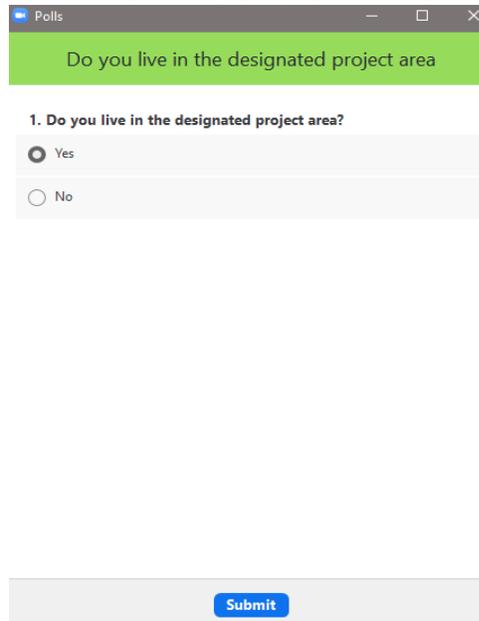Audio Settings ^   Raise Hand   Q&A   Leave

Technology Overview – Polling

Note: When you raise your hand, the host will enable your microphone. The host will disable your microphone after your question.

Computer

- During an active poll
  - Click your answer
  - Press submit

- When the poll closes
  - View results
  - Press close

Note: Computer polling is anonymous. Your name will not be viewable with your response

Phone

- Raise your hand (*9)
- The host will unmute you
- Say your answer to the poll

Note: Phone polling is not anonymous. Everyone in the meeting will be able to hear your response.

Polling

Zoom Meeting Norms

- Start on time . . . end on time.

- Raise your hand to be recognized to talk; there will be one speaker at a time

- Move to a quiet area and silence any background sounds when speaking

- Speak loud and clear so everyone can hear

- Everyone will be provided a chance to speak before a repeat speaker

- Be respectful of other ideas and perspectives – no finger pointing!

- Try to differentiate between I know (facts), and I think (opinions).

- Inappropriate written and/or verbal comment or language, including personal attacks and accusations, will result in the attendee being removed from the meeting.

Have we missed anything?

Traffic Calming Process
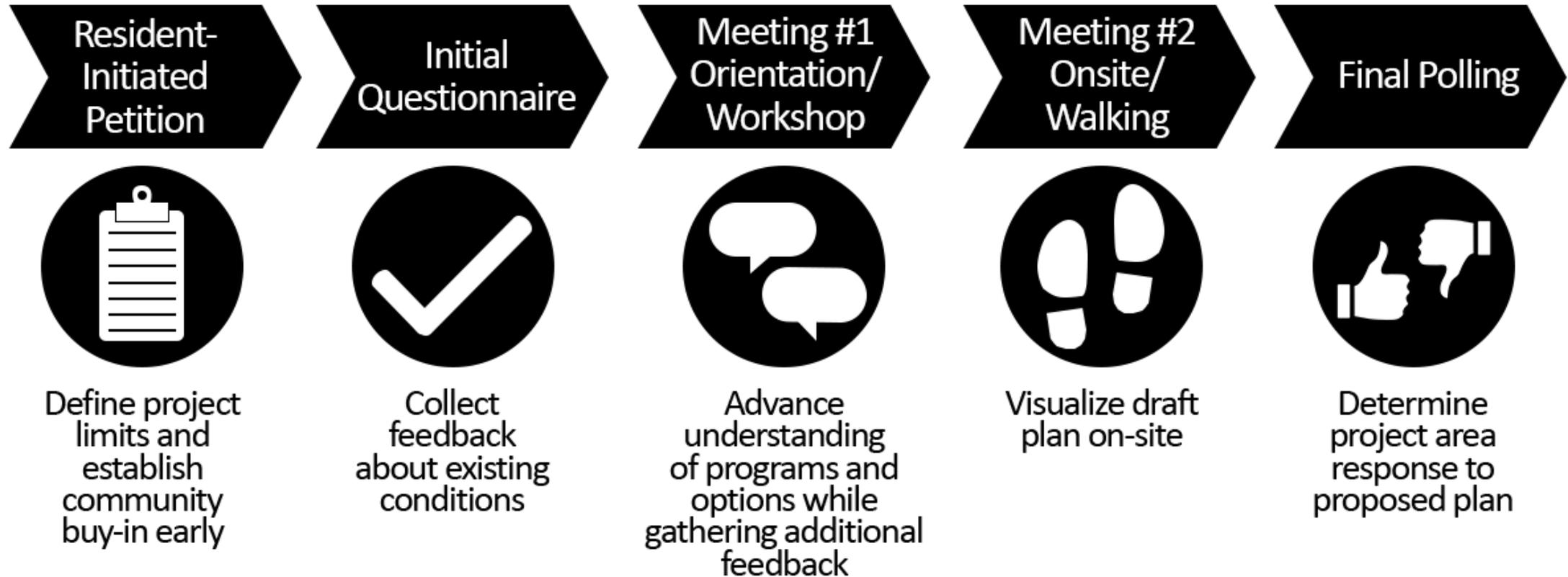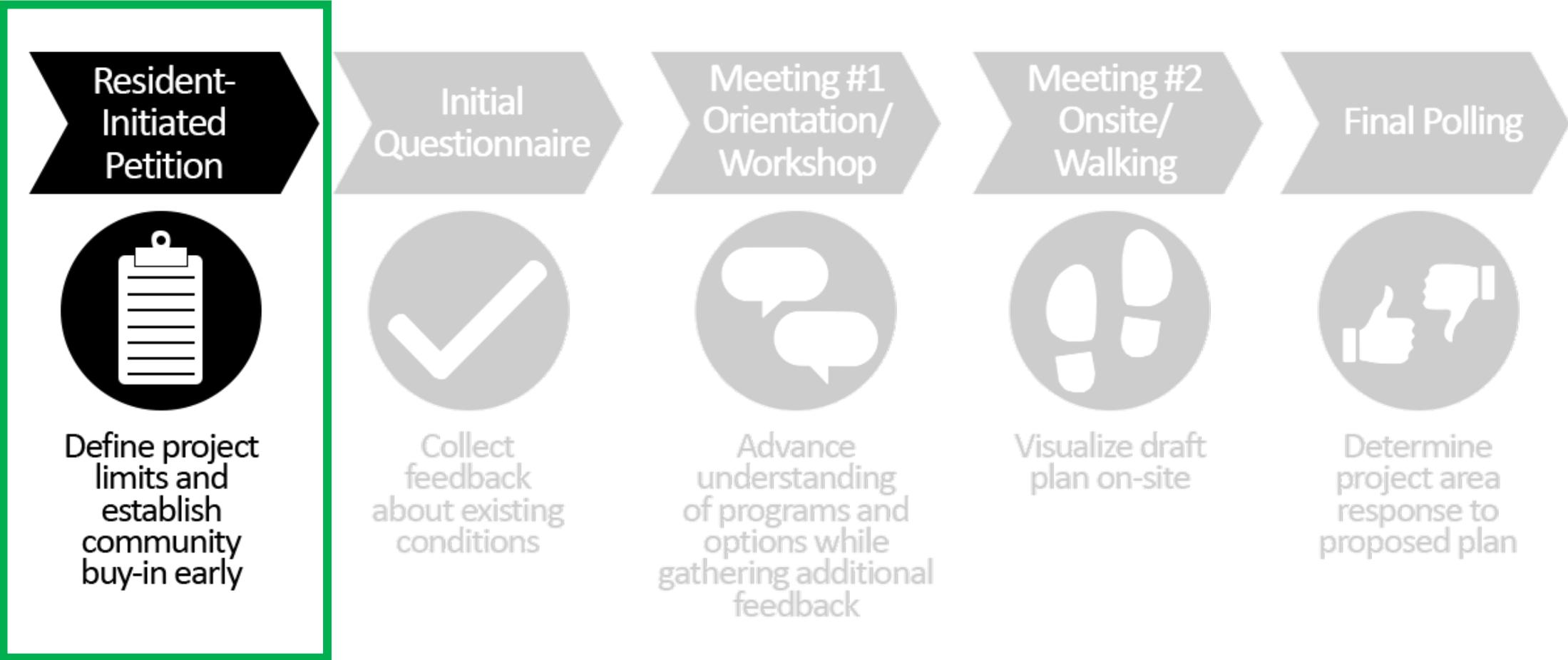
What is Traffic Calming?

"Traffic Calming is the combination of mainly physical measures that reduce the negative effects of motor vehicle use, alter driver behavior, and improve conditions for non-motorized street users."

Lockwood, Ian. *Institute of Transportation Engineers (ITE) Traffic Calming Definition.* ITE Journal, July 1997, pg. 22.

Traffic Calming in Ann Arbor

Resident-Initiated Petition	Initial Questionnaire	Meeting #1 Orientation/ Workshop	Meeting #2 Onsite/ Walking	Final Polling
Define project limits and establish community buy-in early	Collect feedback about existing conditions	Advance understanding of programs and options while gathering additional feedback	Visualize draft plan on-site	Determine project area response to proposed plan

Step 1: Resident-Initiated Petition

Resident-Initiated Petition

Define project limits and establish community buy-in early

Initial Questionnaire

Collect feedback about existing conditions

Meeting #1 Orientation/Workshop

Advance understanding of programs and options while gathering additional feedback

Meeting #2 Onsite/Walking

Visualize draft plan on-site

Final Polling

Determine project area response to proposed plan

Resident-Initiated Petition Results

resident-initiated petition

> **50%**

minimum addresses properly represented within area of interest

☑ **50%** representation achieved

10 minimum points required

Qualifying Petition Support

85th Percentile Speed

Percent Violators

Average Daily Traffic

Major Pedestrian Generators

School Travel

Speed-Related Crashes
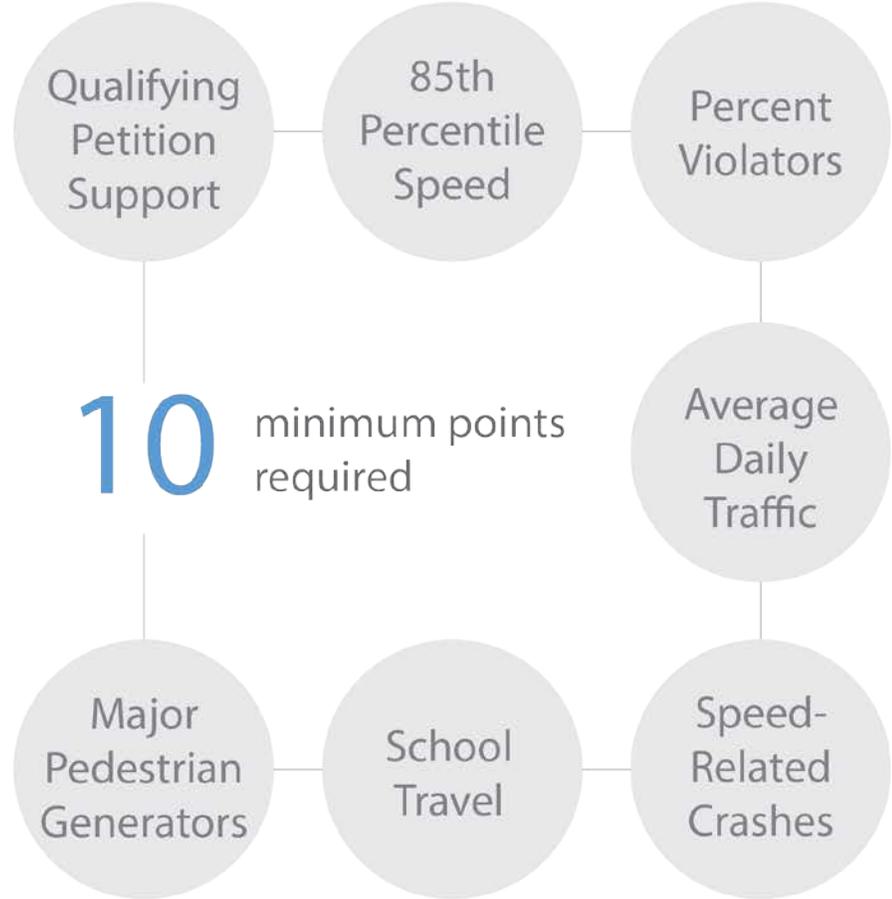
☑ **29**pts earned

Step 2: Initial Questionnaire
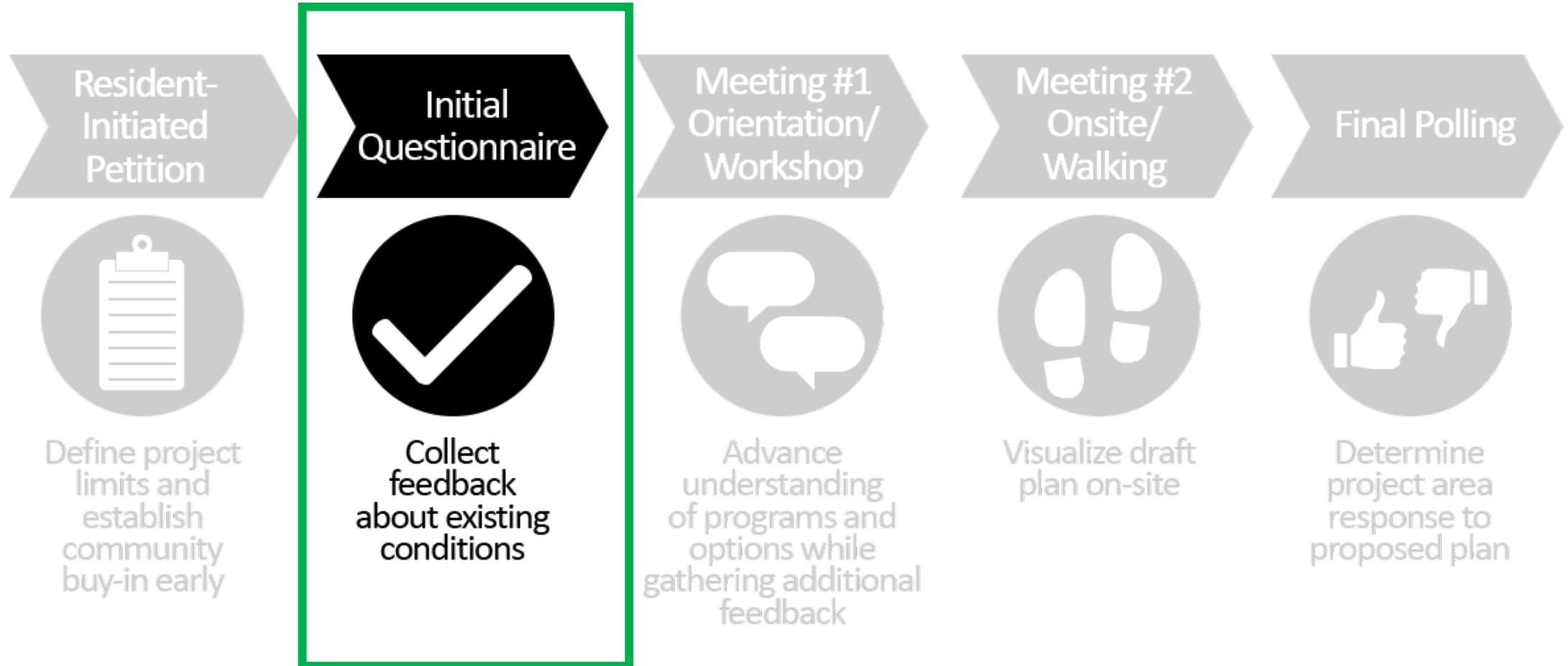
Initial Questionnaire Results
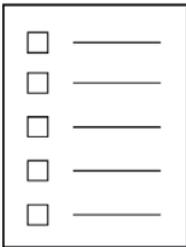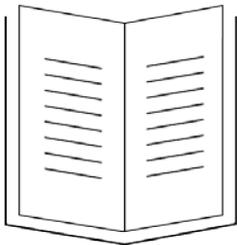
Initial Questionnaire Package

50%
minimum response support required

73%
response support received
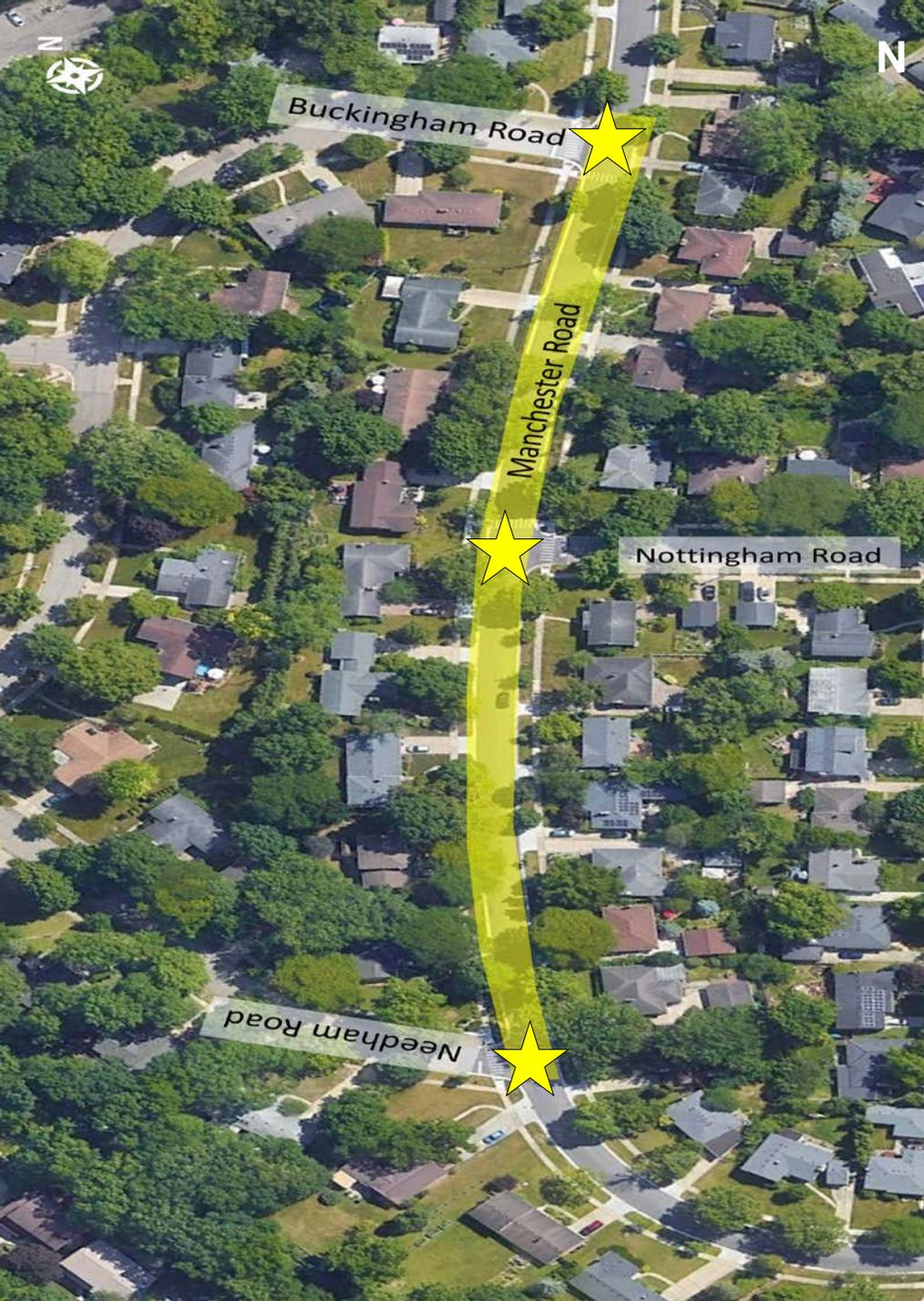
Initial Questionnaire Summary

Detailed summary at a2gov.org/TCManchester

- Speeding

- Hill at Manchester and Buckingham

- Traffic Volumes

- Pick-Up and Drop-Off traffic from nearby schools

- Important pedestrian crossings ⭐

Do you have any additional concerns or clarifications related to the project area?

Step 3: Meeting #1 Orientation/Workshop
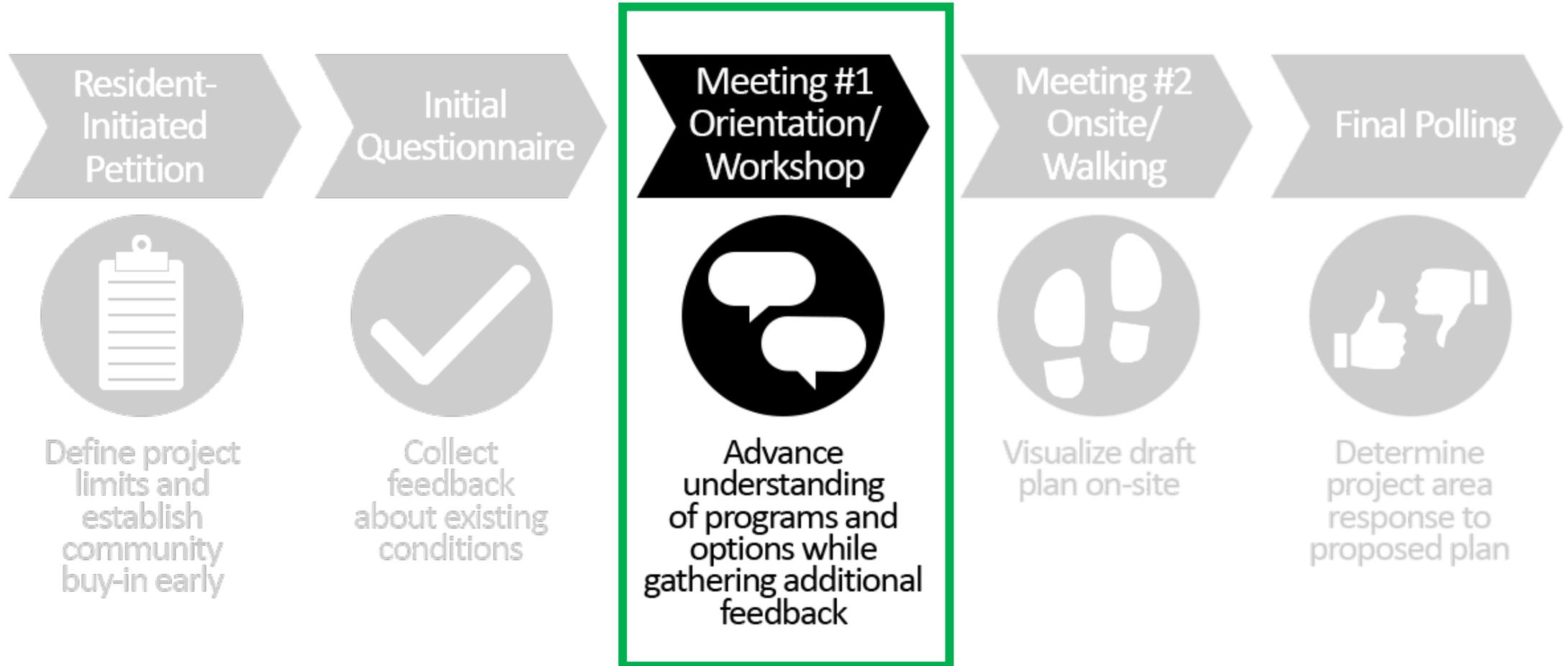
Polling

Orientation: Device Toolbox

NOT Included

- Stop Signs

- Cul-de-Sac/Street Closure

- Police Enforcement

- New Sidewalk Installation

- Removal of Existing Devices

Additional information and resources can be found in the guidebook or on the a2gov website

Orientation: Device Toolbox
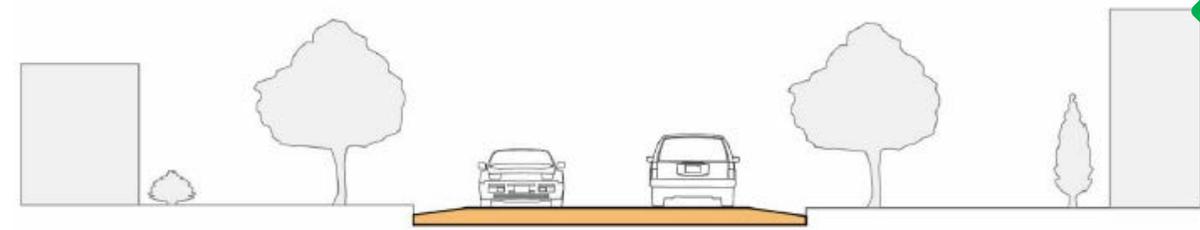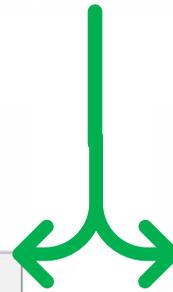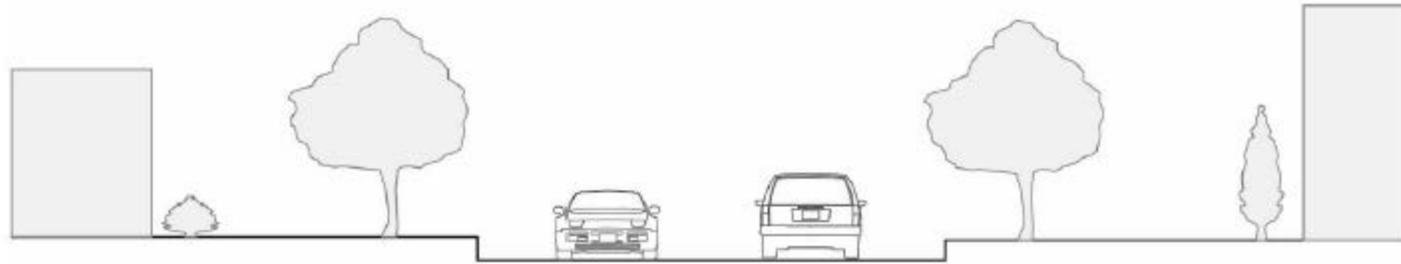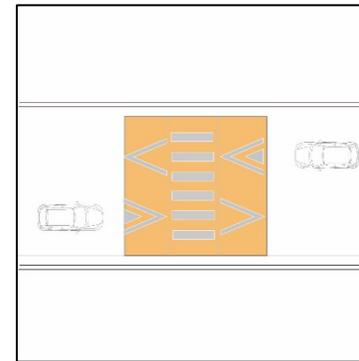

things you drive over
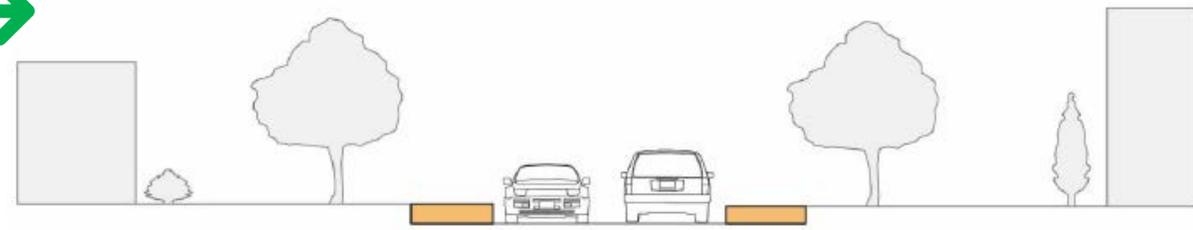
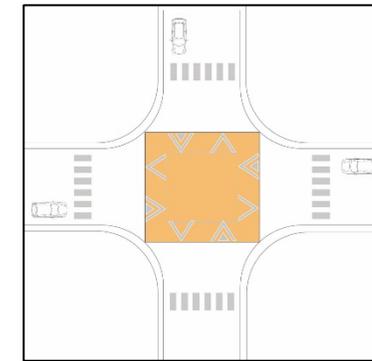things you drive around

Orientation: Device Toolbox

things you drive over
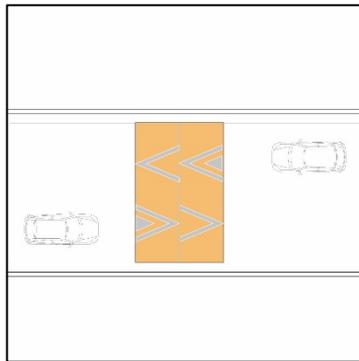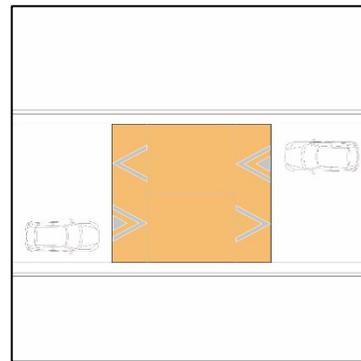
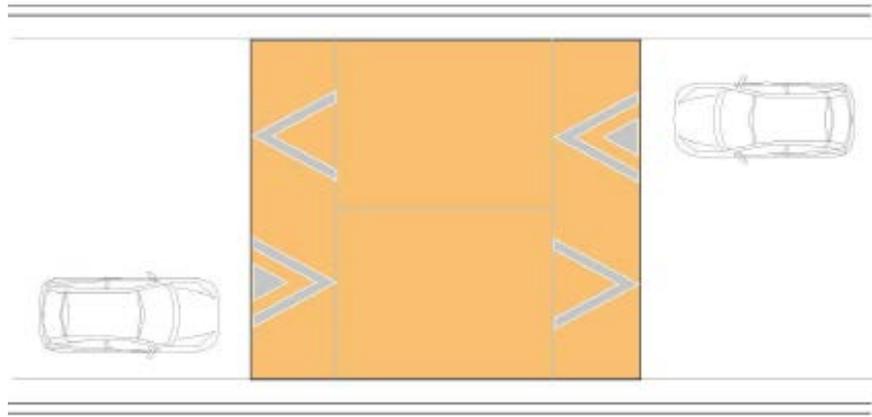Speed Hump

Speed Table

Raised Crosswalk

Raised Intersection
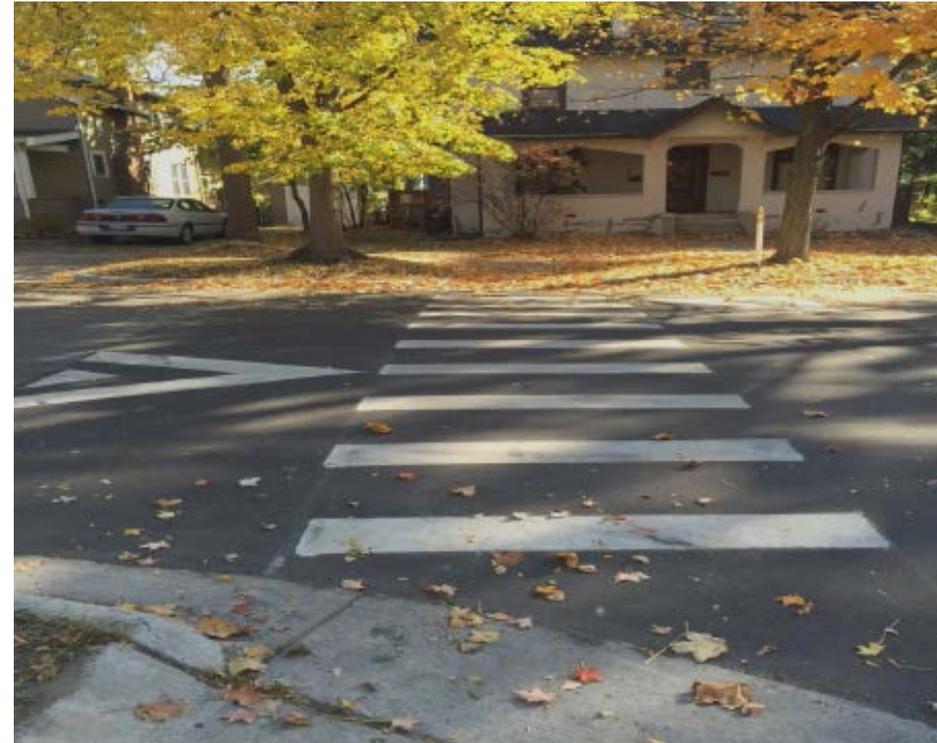
Things You Drive Over: Speed Humps
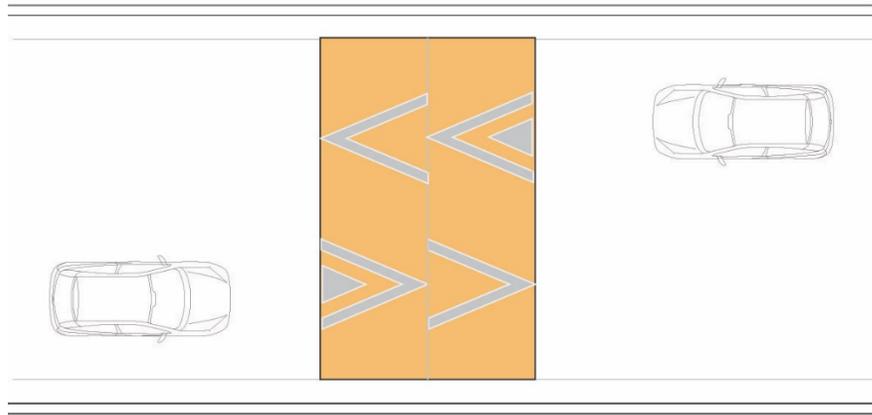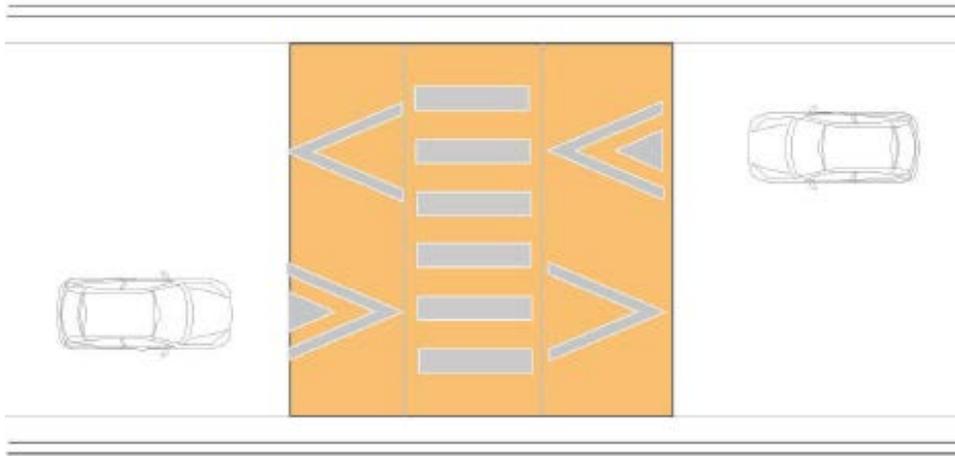

Example: Wells Street

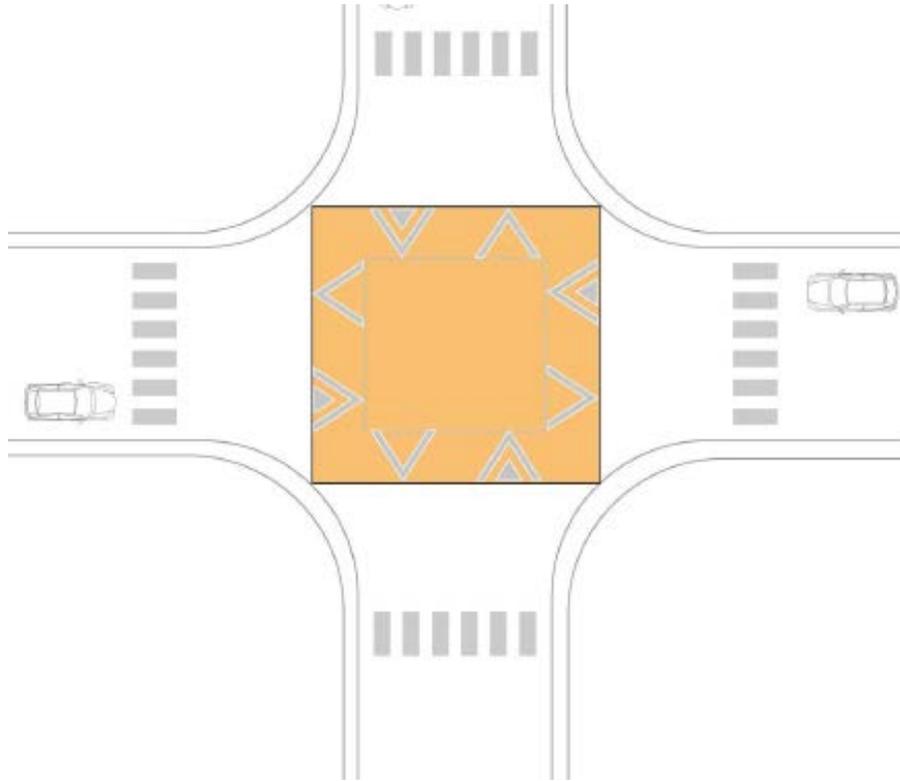# **Things You Drive Over:** Speed Tables

Example: Glenwood Road

Things You Drive Over: Raised Crosswalk

Example: S. Forest Avenue

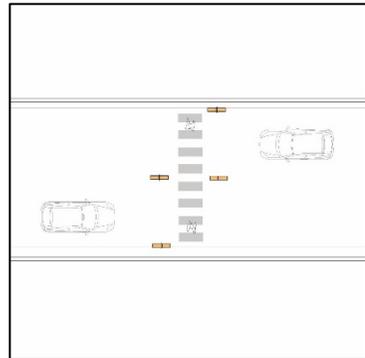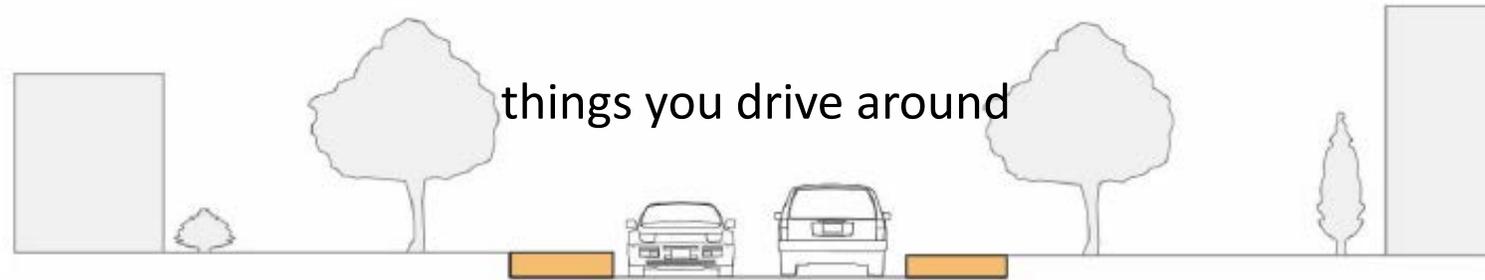# **Things You Drive Over:** Raised Intersection
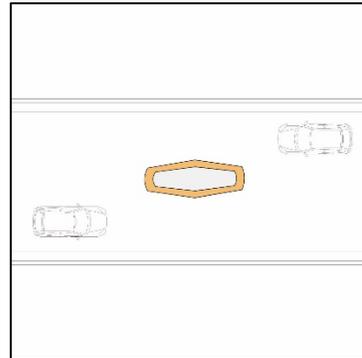

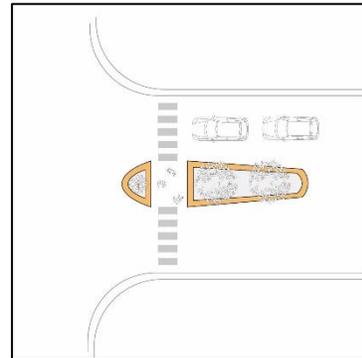Example: Maplewood Avenue

Questions?

Orientation: Device Toolbox
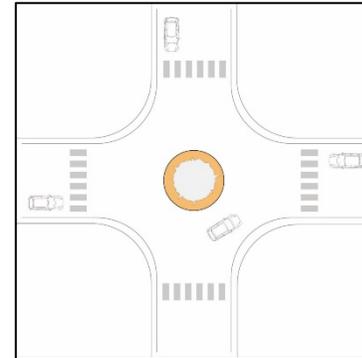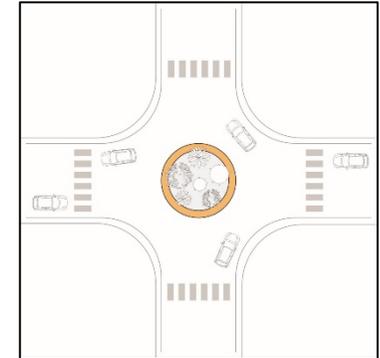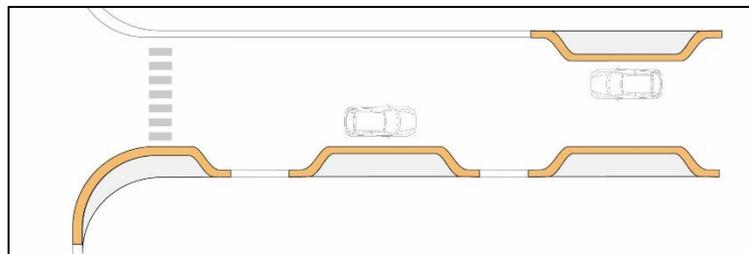
things you drive around

Pedestrian Gateway

Median Island

Pedestrian Island

Residential
Traffic Circle

Mini Roundabout

Curb Extensions
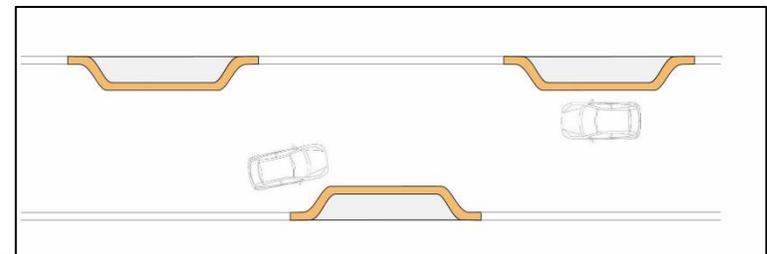
Chicanes

Orientation: Device Toolbox

things you drive around

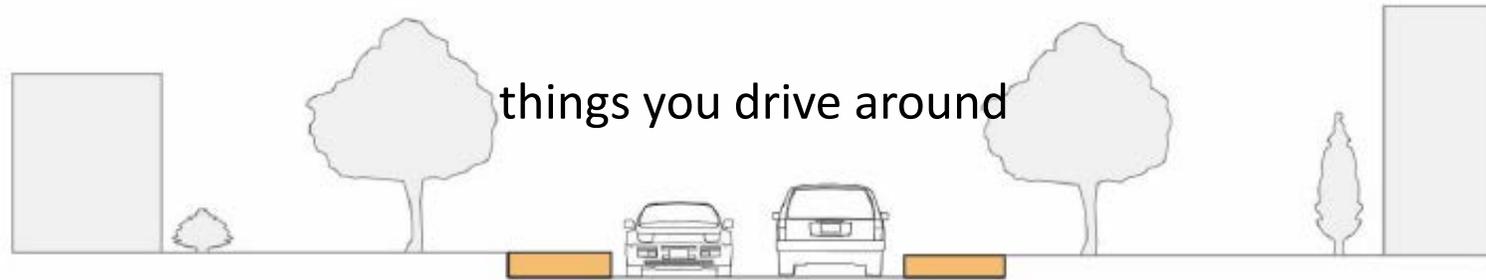| street not wide enough for emergency vehicle clearance!	street not wide enough for emergency vehicle clearance!	street not wide enough for emergency vehicle clearance!	street not wide enough for emergency vehicle clearance!	street not wide enough for emergency vehicle clearance!
Pedestrian Gateway	Median Island	Pedestrian Island	Residential Traffic Circle	Mini Roundabout
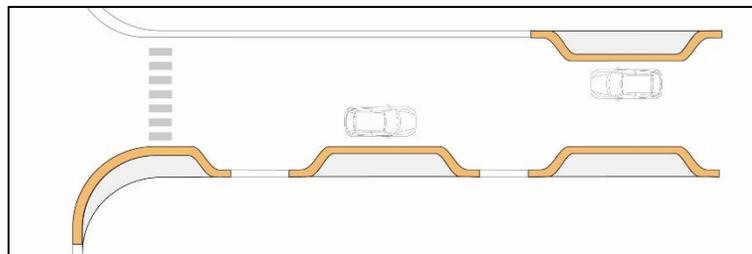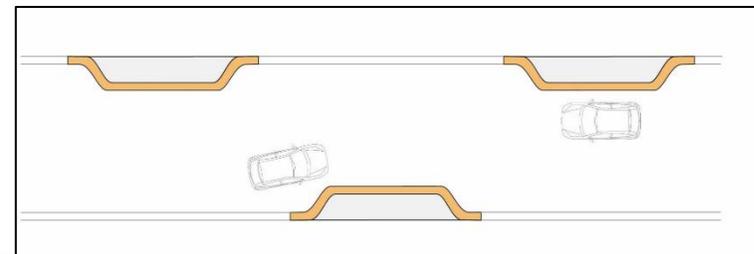
Curb Extensions

Chicanes

Things You Drive Around: Curb Extensions

Choker

Curb
Bump Out

Midblock
Bump Out
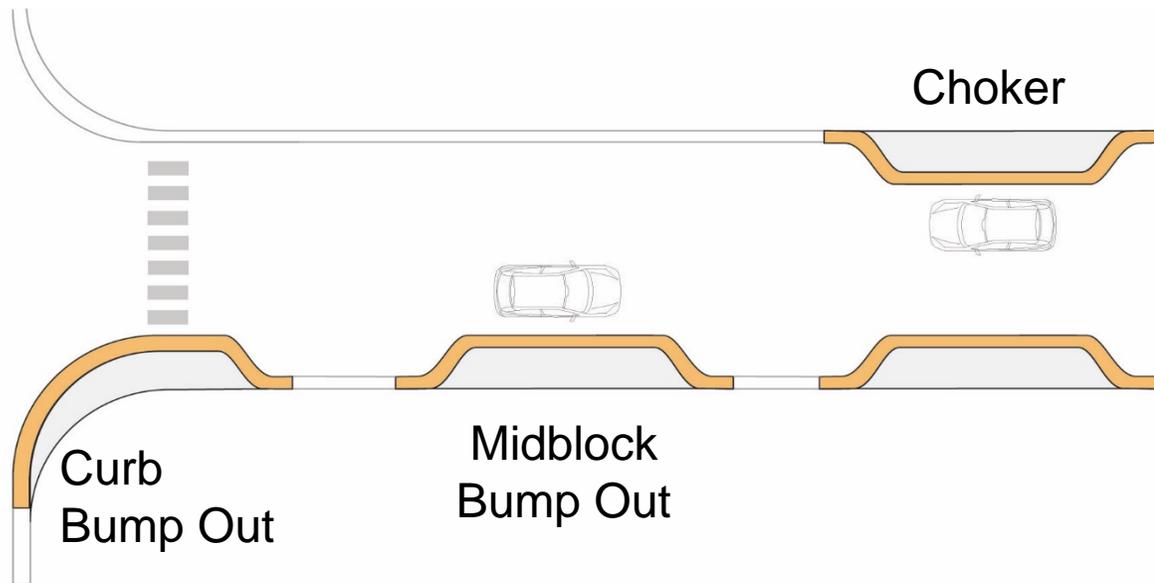
Example: Granger Avenue Bump Out

Things You Drive Around: Chicanes
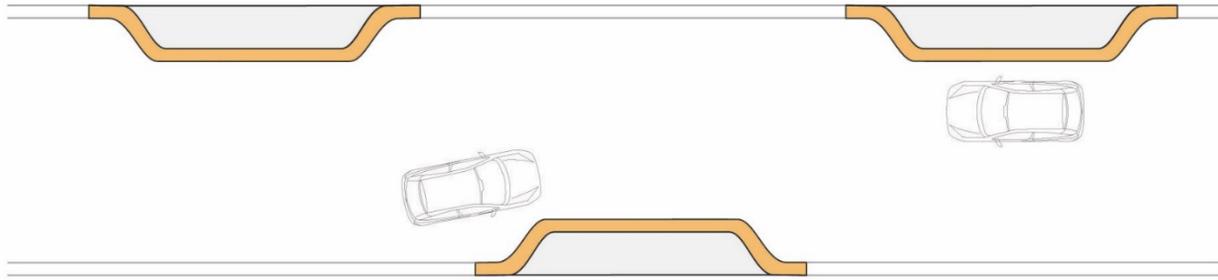
Example: Virginia Department of Transportation

Other Devices: Neighborhood Gateway Treatment

Questions?

Ann Arbor Traffic Calming Projects

Interactive map online: a2gov.org/TrafficCalming
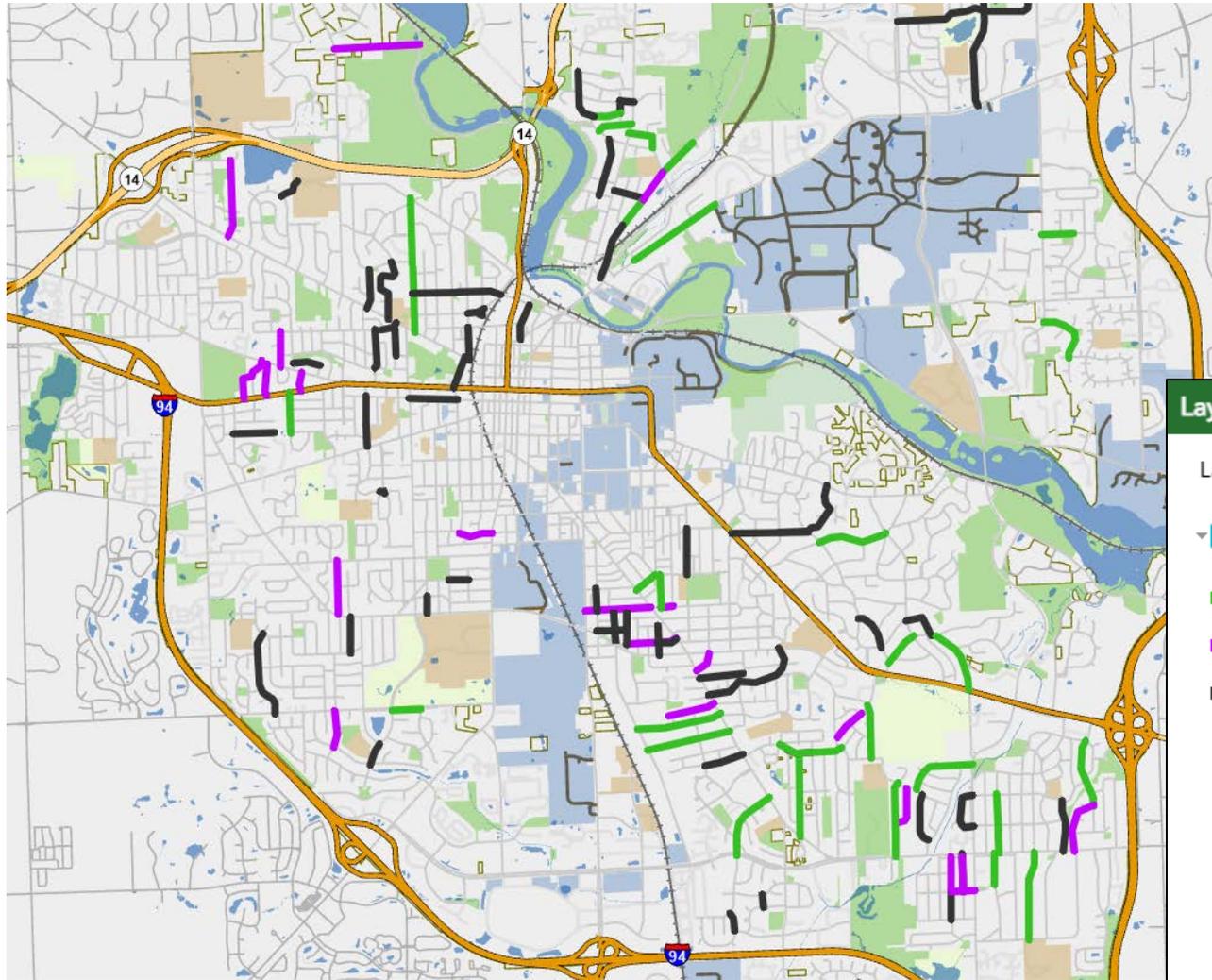
Layer List

Layers

Traffic Calming Efforts

█ Constructed

█ In Progress

█ Not Qualified

Feedback Exercise
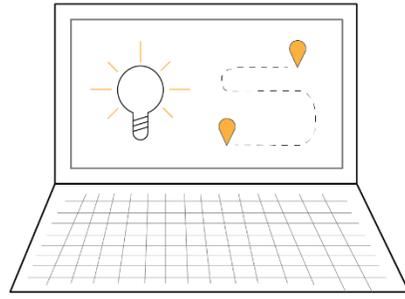
Present Starter Idea

Discussion and feedback about each device type and location

City of Ann Arbor Traffic Calming Program - April 5, 2023
Starter Idea - Manchester Rd (Needham Rd to Buckingham Rd)
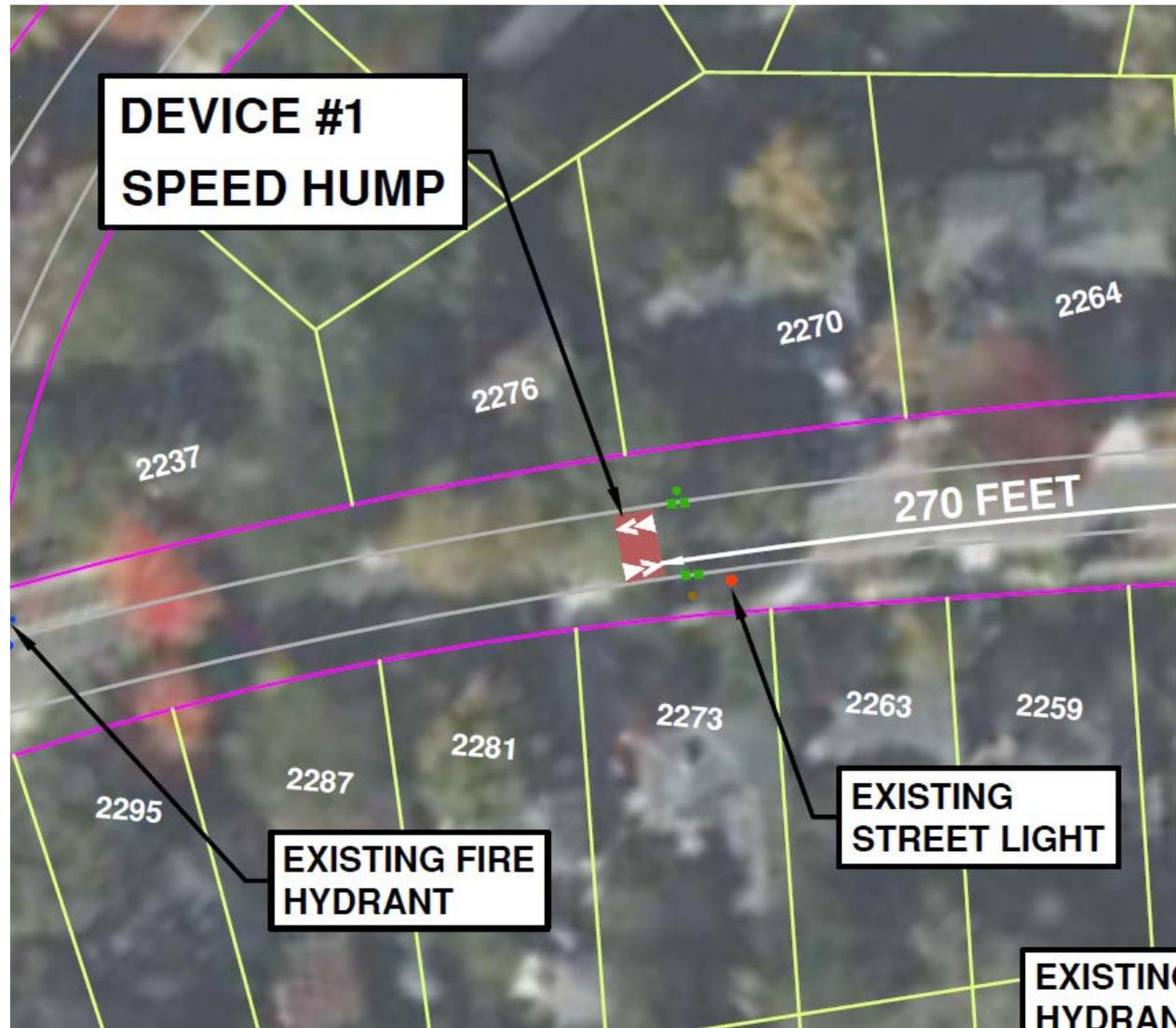
Device #1: Speed Hump

Device #2: Raised Crosswalk
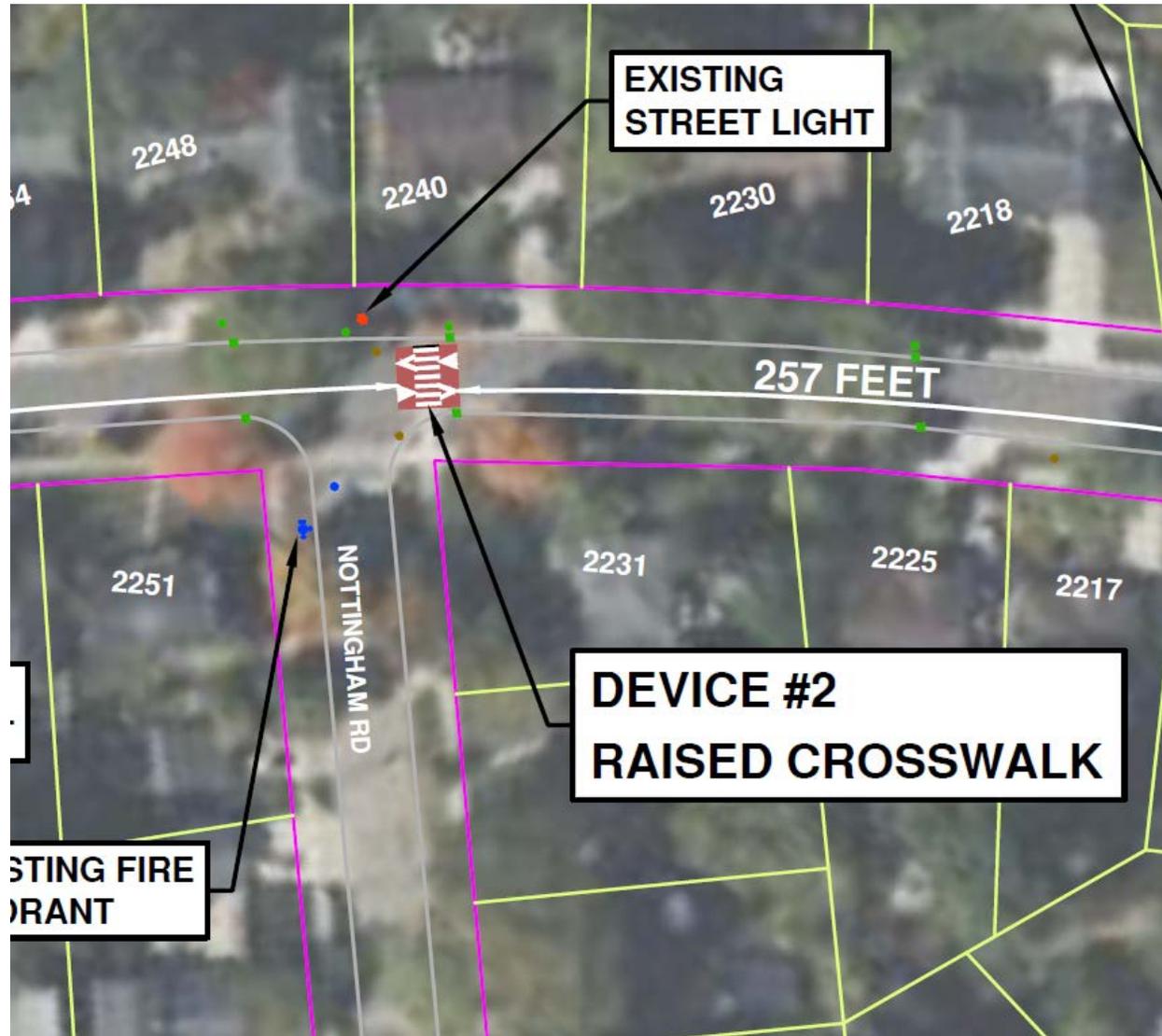
Device #3: Speed Hump
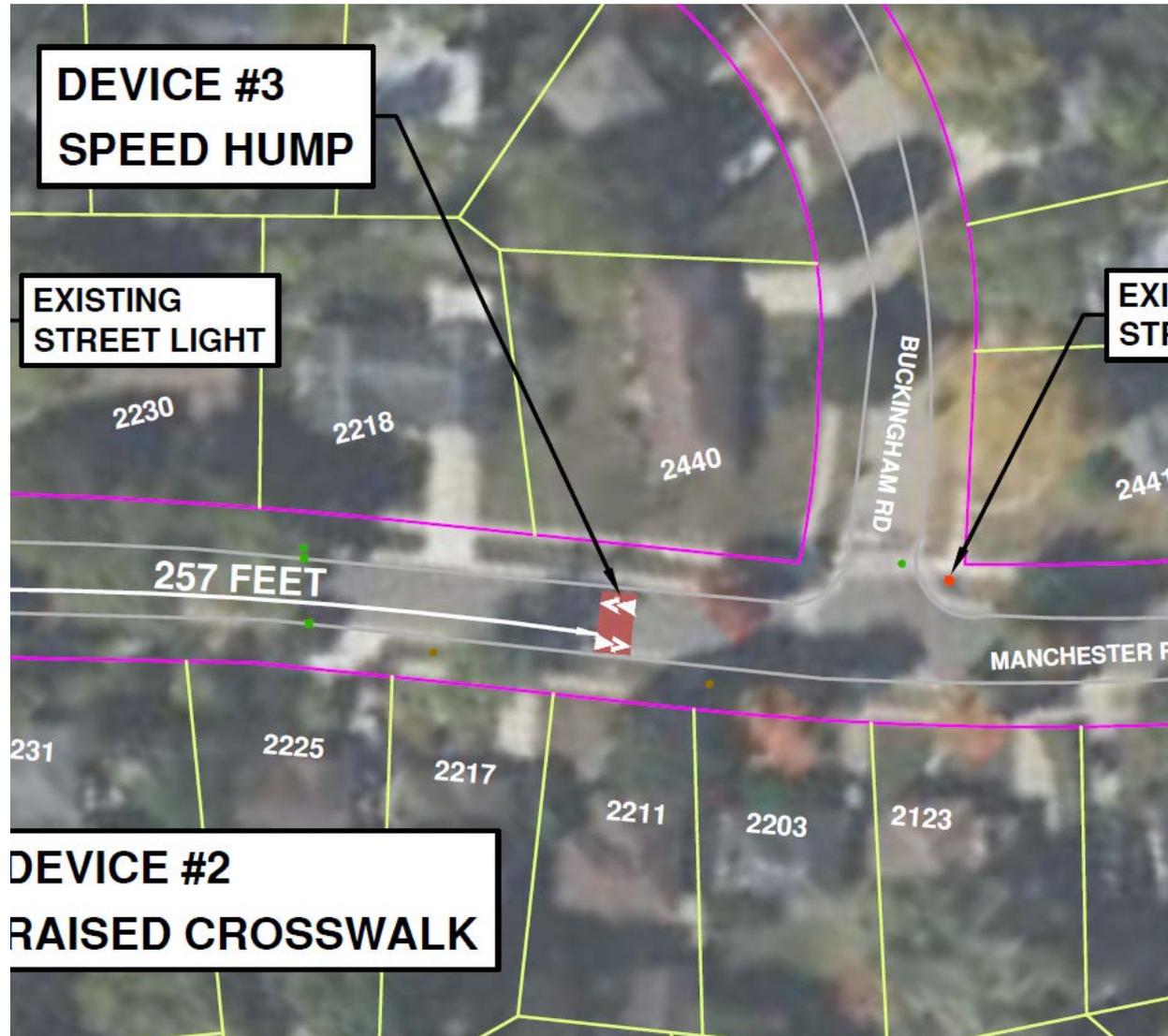
Polling

City of Ann Arbor Traffic Calming Program - April 5, 2023

Starter Idea - Manchester Rd (Needham Rd to Buckingham Rd)

DEVICE #3
SPEED HUMP

DEVICE #1
SPEED HUMP

EXISTING
STREET LIGHT

EXISTING
STREET LIGHT

2248

2240

2230

2218

2270

2276

2237

270 FEET

257 FEET

2440

2441

MANCHESTER RD

2302

2251

2231

2225

2217

2211

2203

2123

2263

2259

2273

EXISTING
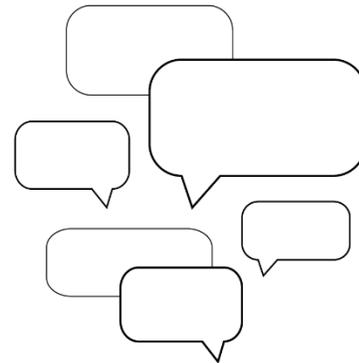STREET LIGHT

2281

2287

2295

EXISTING FIRE
HYDRANT

2301

DEVICE #2
RAISED CROSSWALK

NOTTINGHAM RD

BUCKINGHAM RD

NEEDHAM RD

EXISTING
STREET LIGHT

EXISTING FIRE
HYDRANT

LEGEND

⚒ FIRE HYDRANT

● WATER MAIN GATE VALVE

■ STORM SEWER CATCH BASIN

● STORM SEWER MANHOLE

● SANITARY SEWER MANHOLE

● STREET LIGHT

PROPERTY LINE

RIGHT-OF-WAY LINE

City of Ann Arbor Traffic Calming Program - April 5, 2023
Starter Idea - Manchester Rd (Needham Rd to Buckingham Rd)

DEVICE #3
SPEED HUMP

DEVICE #1
SPEED HUMP

EXISTING STREET LIGHT

EXISTING STREET LIGHT

EXISTING STREET LIGHT

270 FEET

257 FEET

EXISTING FIRE HYDRANT

EXISTING STREET LIGHT

DEVICE #2
RAISED CROSSWALK

EXISTING FIRE HYDRANT

EXISTING STREET LIGHT

LEGEND
- FIRE HYDRANT
- WATER MAIN GATE VALVE
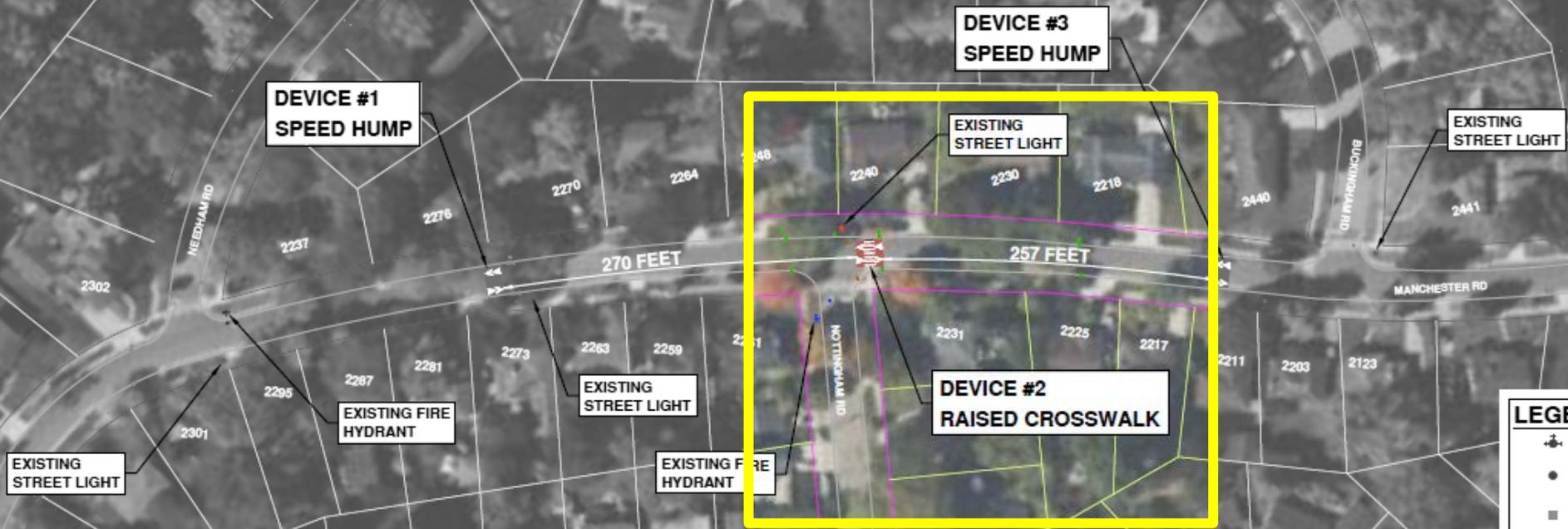- STORM SEWER CATCH BASIN
- STORM SEWER MANHOLE
- SANITARY SEWER MANHOLE
- STREET LIGHT
- PROPERTY LINE
- RIGHT-OF-WAY LINE

City of Ann Arbor Traffic Calming Program - April 5, 2023
Starter Idea - Manchester Rd (Needham Rd to Buckingham Rd)

DEVICE #1
SPEED HUMP

DEVICE #3
SPEED HUMP

EXISTING
STREET LIGHT

EXISTING
STREET LIGHT

270 FEET

257 FEET

DEVICE #2
RAISED CROSSWALK

EXISTING
STREET LIGHT

EXISTING FIRE
HYDRANT

EXISTING FIRE
HYDRANT

EXISTING
STREET LIGHT

LEGEND
FIRE HYDRANT
WATER MAIN GATE VALVE
STORM SEWER CATCH BASIN
STORM SEWER MANHOLE
SANITARY SEWER MANHOLE
STREET LIGHT
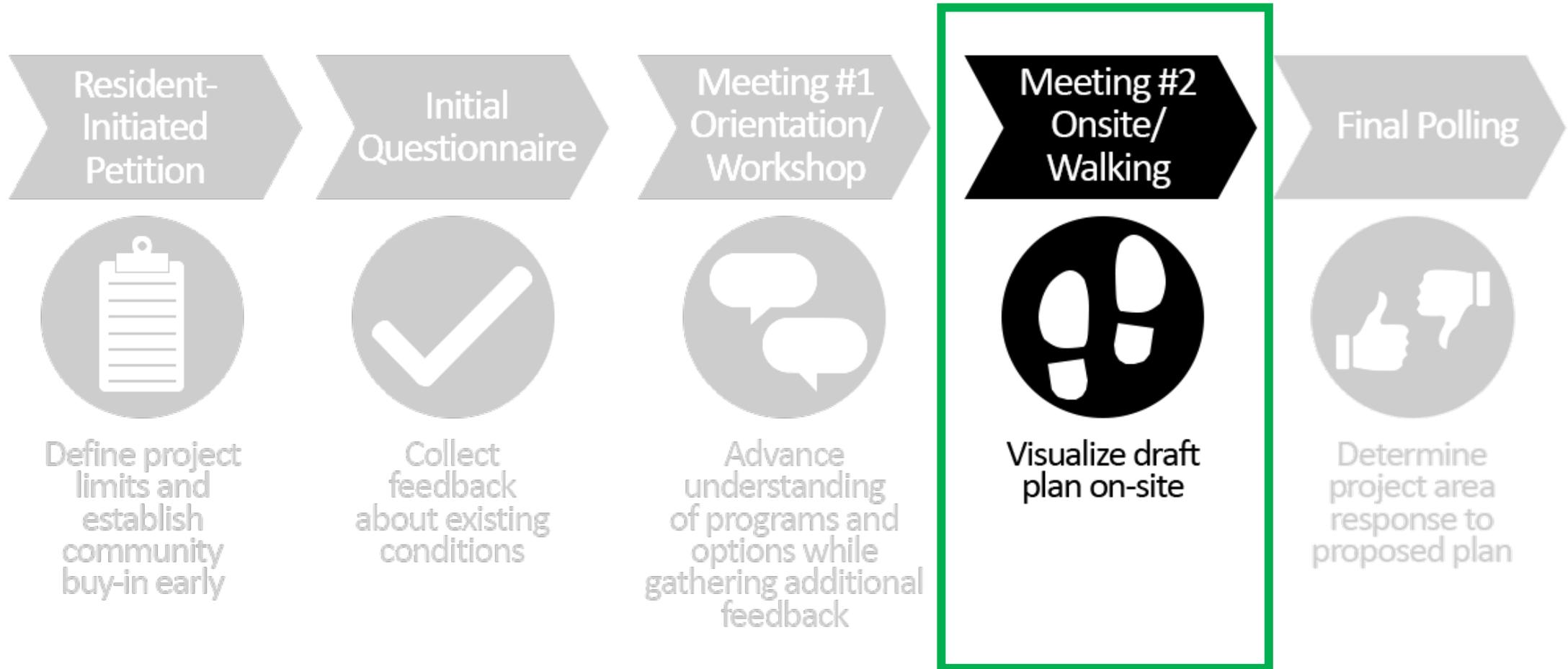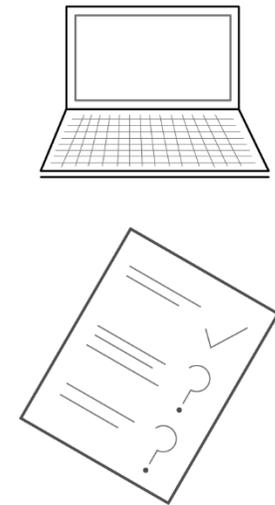PROPERTY LINE
RIGHT-OF-WAY LINE

Step 4: Self-Guided Tour/Meeting #2

Resident-Initiated Petition	Initial Questionnaire	Meeting #1 Orientation/Workshop	Meeting #2 Onsite/Walking	Final Polling
Define project limits and establish community buy-in early	Collect feedback about existing conditions	Advance understanding of programs and options while gathering additional feedback	Visualize draft plan on-site	Determine project area response to proposed plan

Self-Guided Tour

Review mailing packet

Visit locations

Bring questions to electronic meeting

Meeting #2

Present preliminary
draft plan

Discussion and feedback about each
device type and location
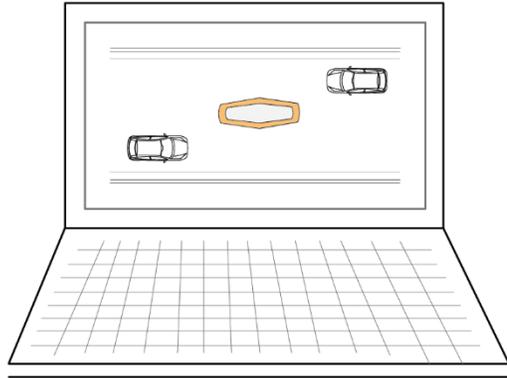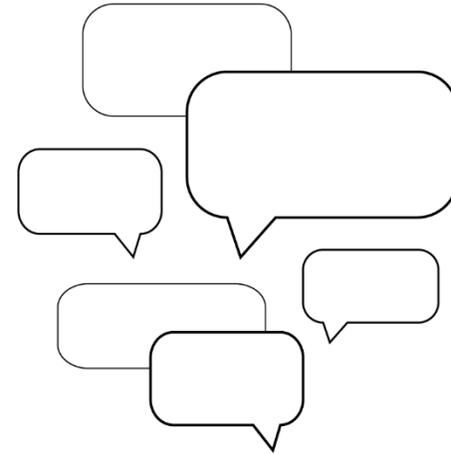
Step 5: Final Polling

Resident-Initiated Petition	Initial Questionnaire	Meeting #1 Orientation/ Workshop	Meeting #2 Onsite/ Walking	Final Polling
Define project limits and establish community buy-in early	Collect feedback about existing conditions	Advance understanding of programs and options while gathering additional feedback	Visualize draft plan on-site	Determine project area response to proposed plan

Final Polling

homeowners, renters +
landlords polled

>50%

minimum response
support required

Transportation Commission
recommendation

+
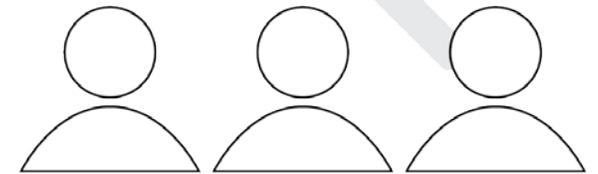
City Council final
approval

Next Steps

Date	
June 22	Meeting #2 from 6:00 pm – 7:30 pm
July 17	Final Polling Card will be mailed to project area addresses
August 7	Deadline to electronically complete or postmark final polls
August	Transportation Commission meeting requesting support
September	City Council meeting for final approval

Thank you!

Phone: 313-831-7606

Email: kthullen@wadetrim.com

Project Website: a2gov.org/TCManchester