

# WELCOME!

*The Carmel Street Meeting #1 Will Begin Soon.*

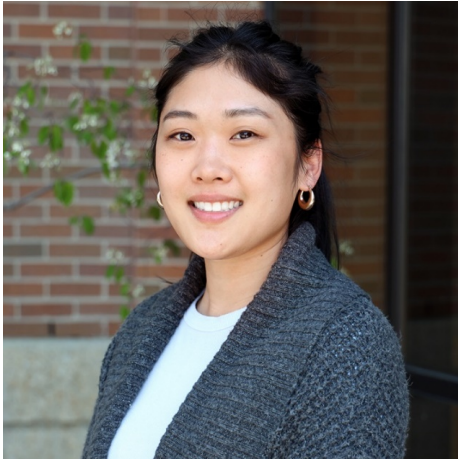


Please use this time to complete an optional, anonymous demographic questionnaire

## 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/TCCarmeIET](https://a2gov.org/TCCarmeIET)

## Project Team



**Kristy Thullen, EIT**  
(she/her)

Wade Trim

Consultant Engagement  
Coordinator

EIT: Engineer-in-Training



**Christina Jaenisch, EIT**  
(she/her)

Wade Trim

Consultant Engagement  
Coordinator

EIT: Engineer-in-Training



**Lori Pawlik, PE, PTOE**  
(she/her)

Wade Trim

Consultant Traffic Engineer Consultant Client Manager

PE: Professional Engineer

PTOE: Professional Traffic  
Operations Engineer



**Chris Wall, PE, PTOE**  
(he/him)

Wade Trim

PE: Professional Engineer

PTOE: Professional Traffic  
Operations Engineer

## Ann Arbor Support Staff



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



**Chris Cespedes** (he/him)  
City of Ann Arbor  
Management Assistant



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



# Meeting Agenda

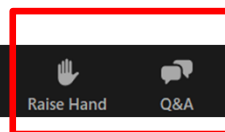
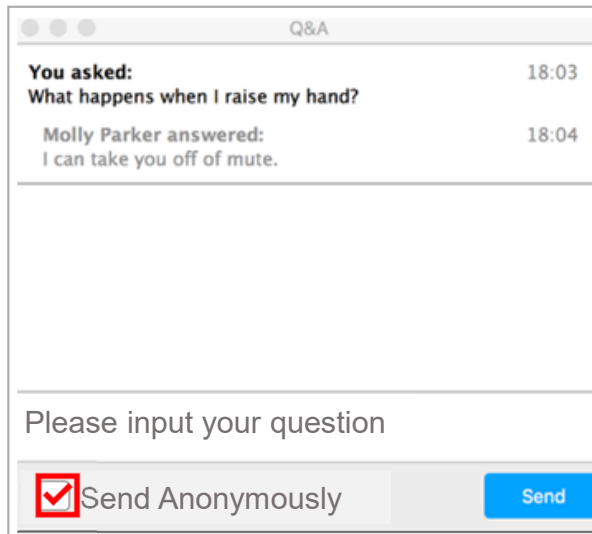
- I. Zoom Technology Overview
- II. Meeting Norms
- III. Traffic Calming Process
  - Resident-Initiated Petition
  - Initial Questionnaire
  - Meeting #1
    - Device Toolbox
    - Starter Idea
    - Feedback Exercise
  - Meeting #2
  - Final Polling
- IV. Next Steps

# 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.

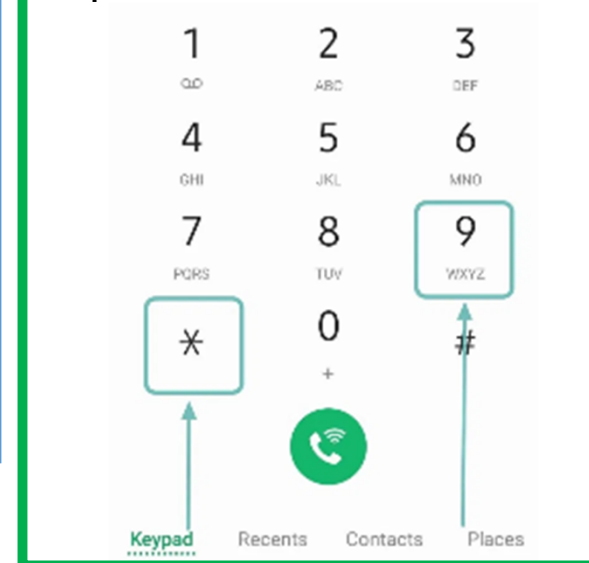
## Computer

- 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

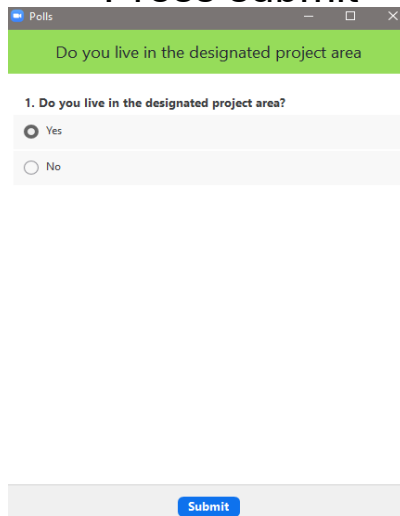


# Technology Overview – Polling

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

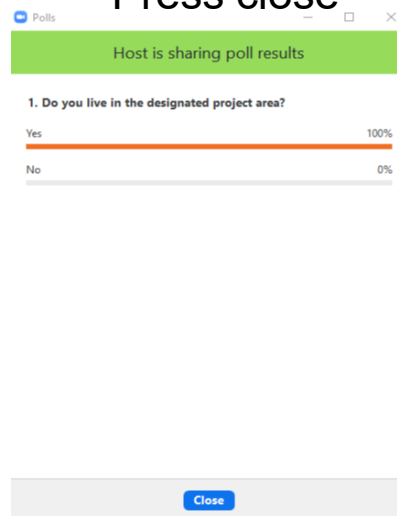
## Computer

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



A screenshot of a web browser window titled "Polls". The main heading is "Do you live in the designated project area". Below this, the question "1. Do you live in the designated project area?" is displayed. There are two radio button options: "Yes" (which is selected) and "No". At the bottom of the form is a blue "Submit" button.

- When the poll closes
  - View results
  - Press close



A screenshot of a web browser window titled "Polls". The main heading is "Host is sharing poll results". Below this, the question "1. Do you live in the designated project area?" is displayed. There are two progress bars: "Yes" with a 100% bar and "No" with a 0% bar. At the bottom of the form is a blue "Close" button.

## 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.

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

# Polling

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# 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**

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# **Process**

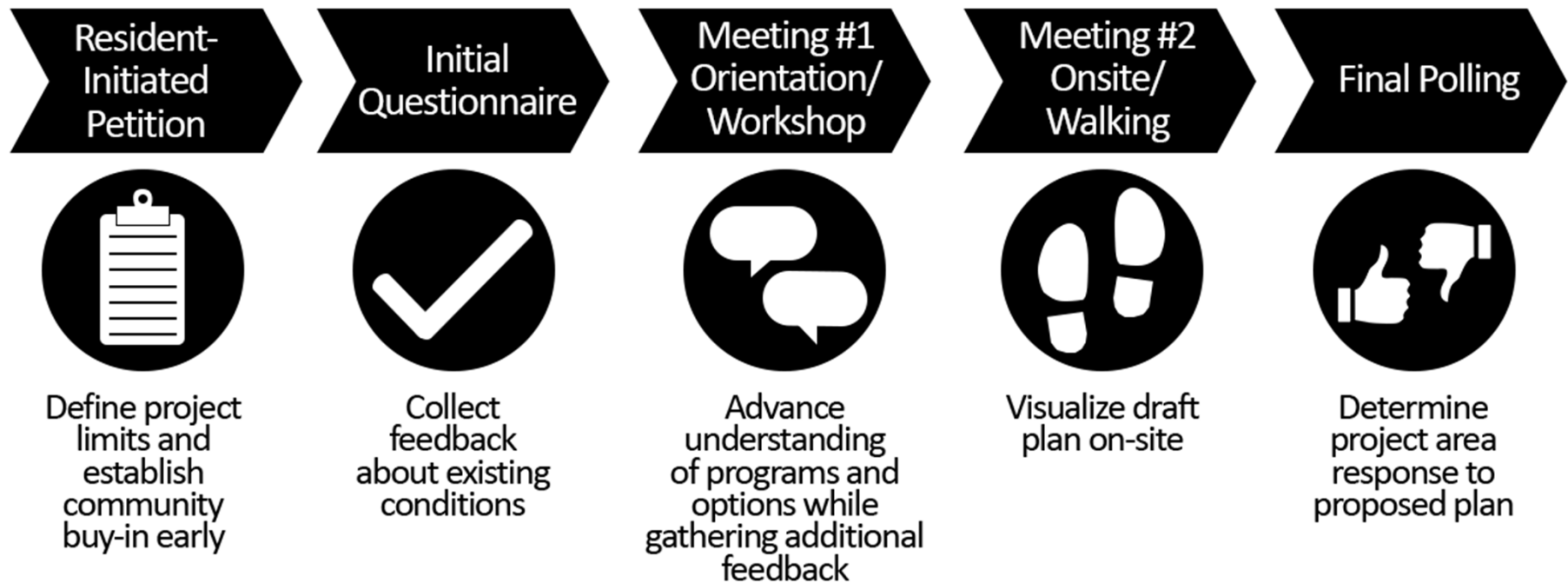


## What is Traffic Calming?

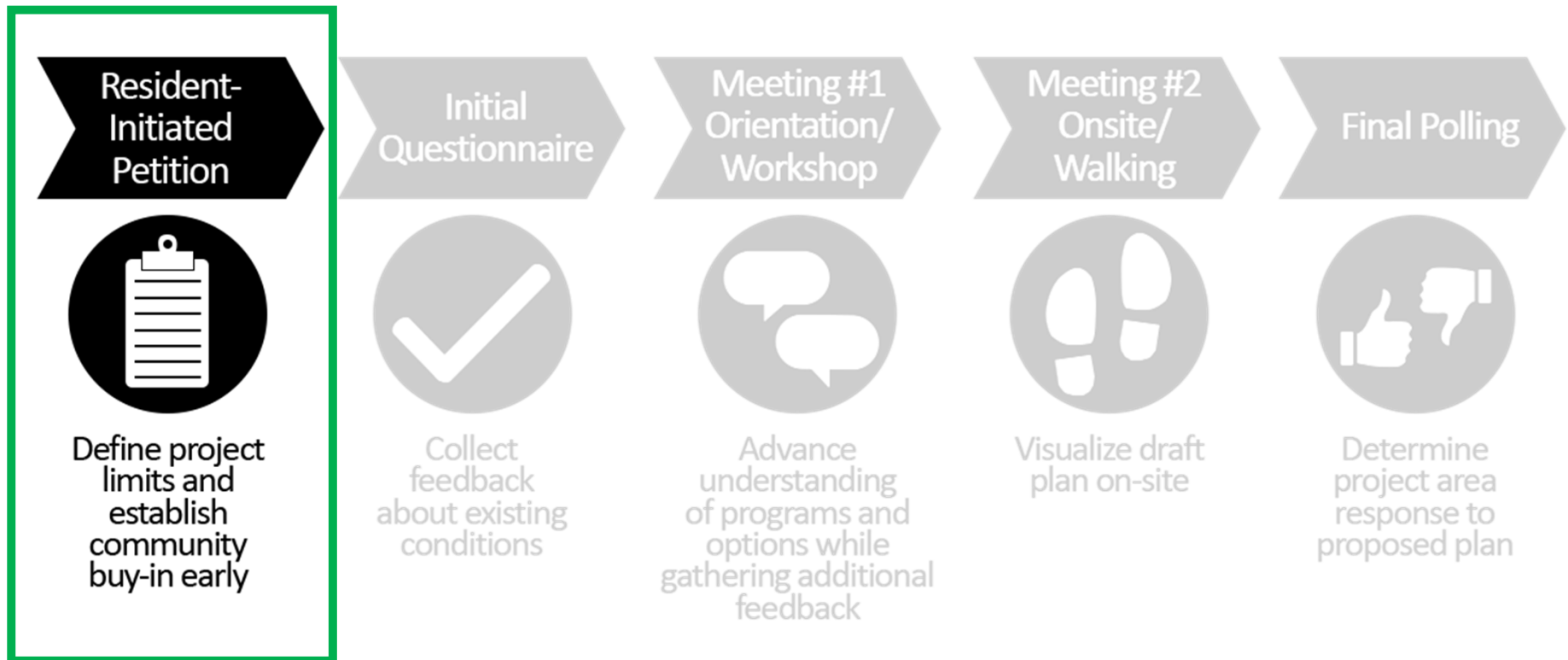
“Traffic Calming is the combination of mainly physical measures that reduce the negative effects of motor vehicle use, alter driver behavior, and improve conditions for non-motorized street users.”

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

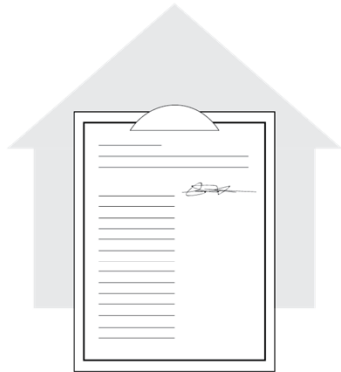
# Traffic Calming in Ann Arbor



# Step 1: Resident-Initiated Petition



# Resident-Initiated Petition Results

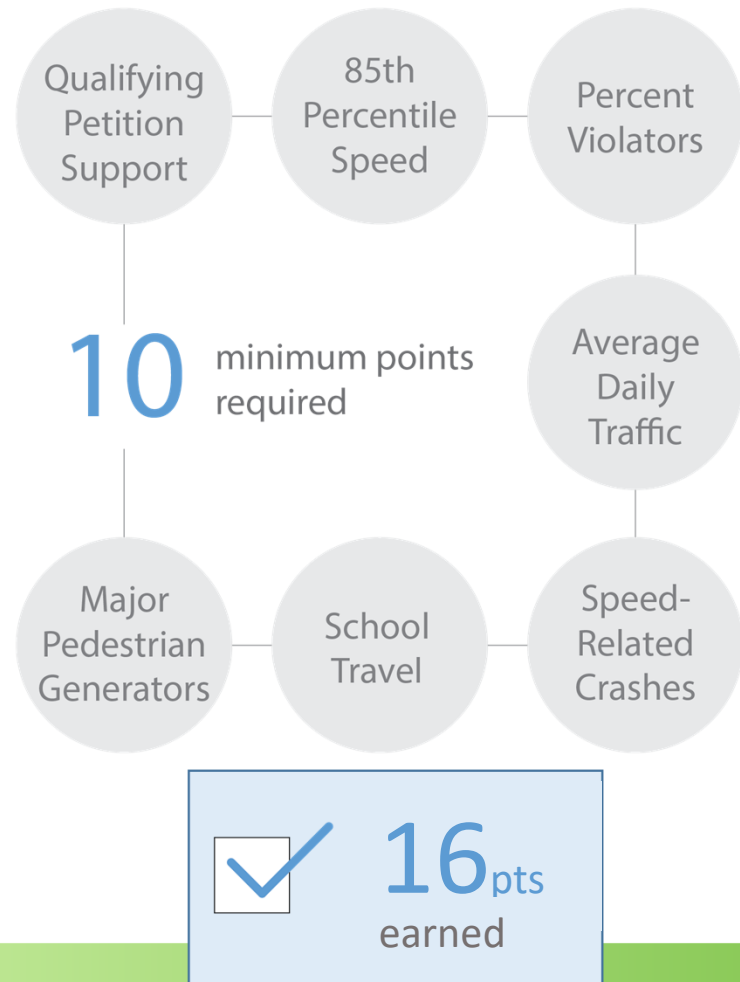


resident-initiated petition

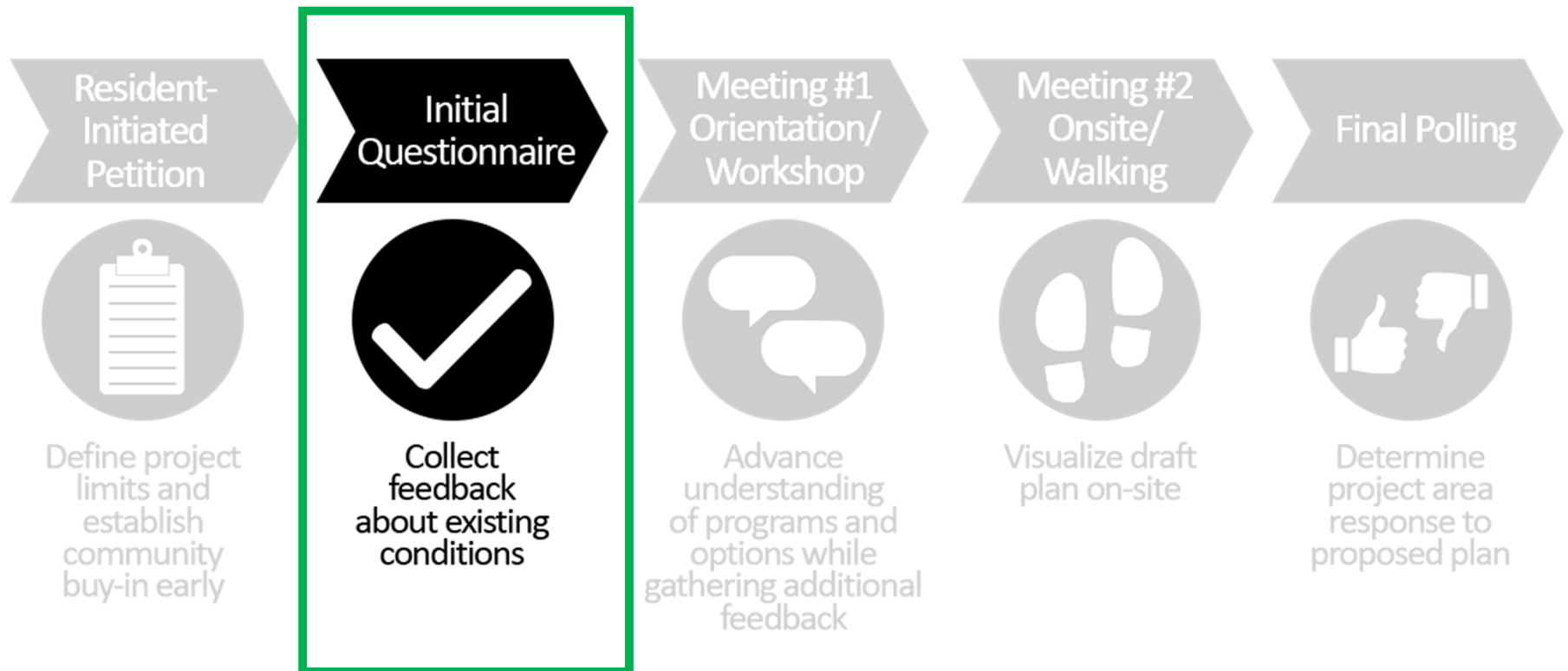
➤ **50%** ➤

minimum addresses properly represented within area of interest

**56%**  
representation achieved



## Step 2: Initial Questionnaire



# Initial Questionnaire Results



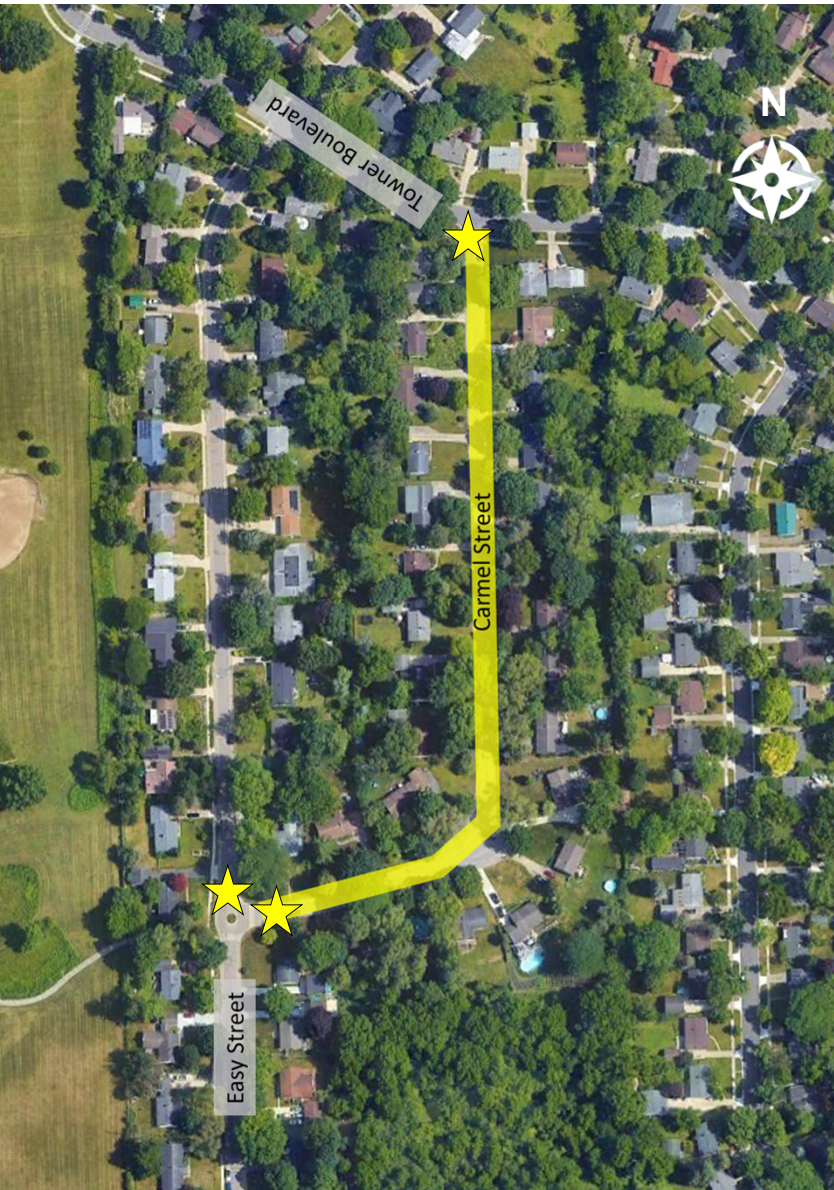
Initial Questionnaire Package



**50%**

minimum response support required

**67%**  
response support received



## Initial Questionnaire Summary

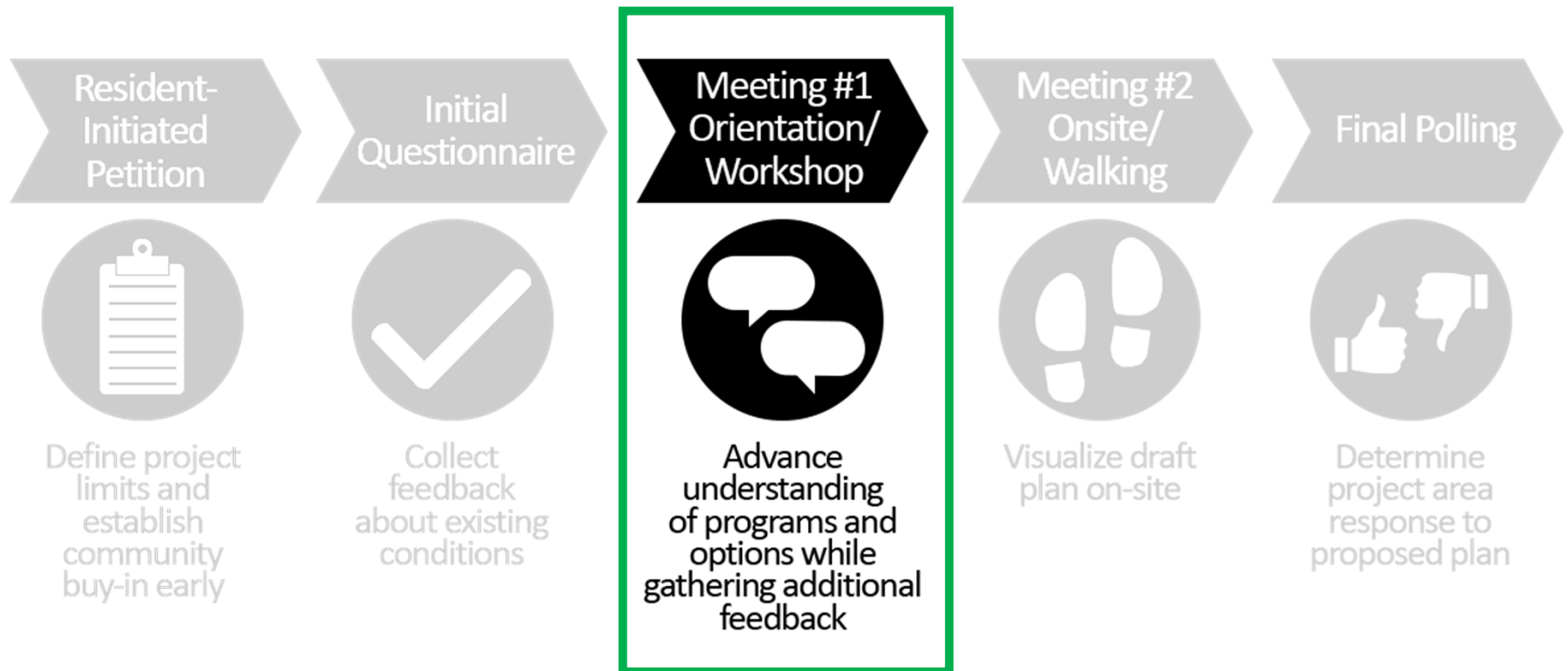
Detailed summary at [a2gov.org/TCCarmeIET](https://a2gov.org/TCCarmeIET)

- Cut-through traffic
- Speeding
- Traffic calming does not address/adds to existing backup issues
- Sharp bend difficult to navigate
- Important Pedestrian Crossings ★

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



## Step 3: Meeting #1 Orientation/Workshop



# Polling

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## Orientation: Device Toolbox

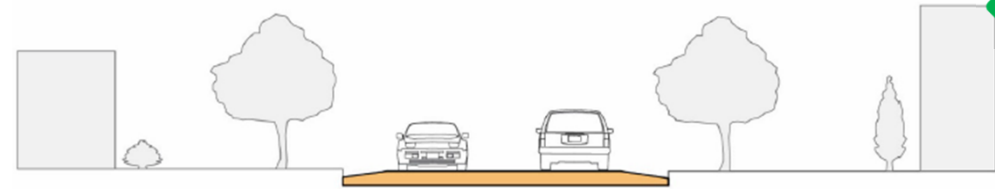
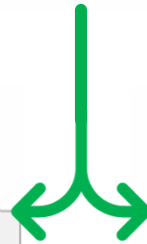
### NOT Included

- 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](http://a2gov) website



# Orientation: Device Toolbox



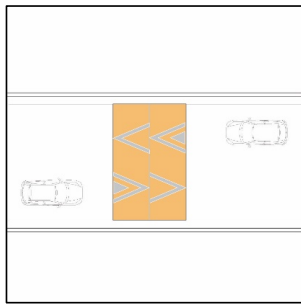
things you drive over



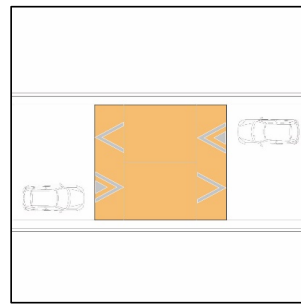
things you drive around



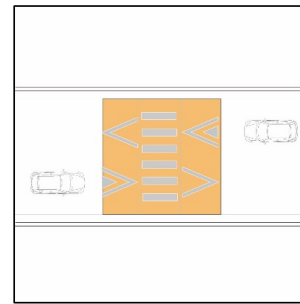
# Orientation: Device Toolbox



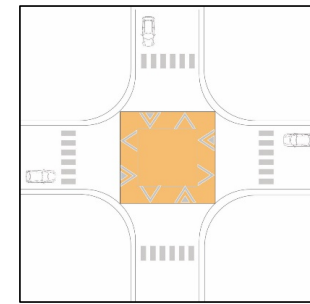
Speed Hump



Speed Table

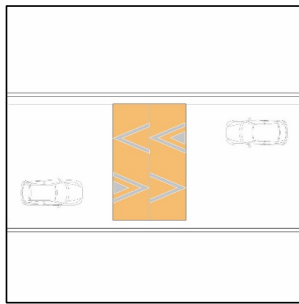
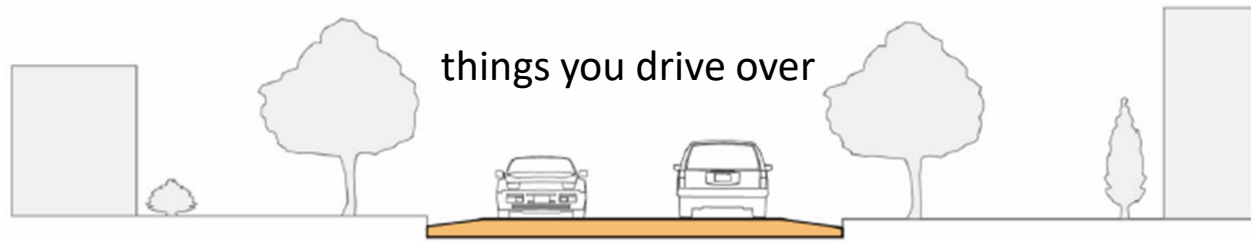


Raised Crosswalk

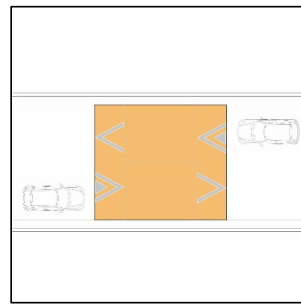


Raised Intersection

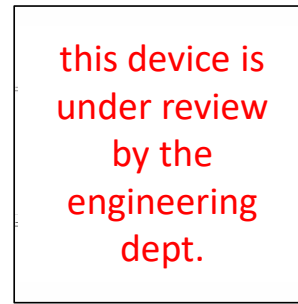
# Orientation: Device Toolbox



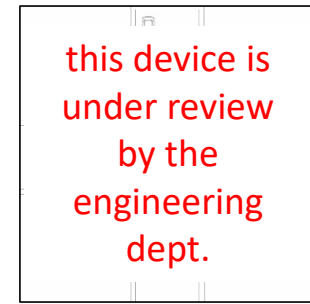
Speed Hump



Speed Table



Raised Crosswalk

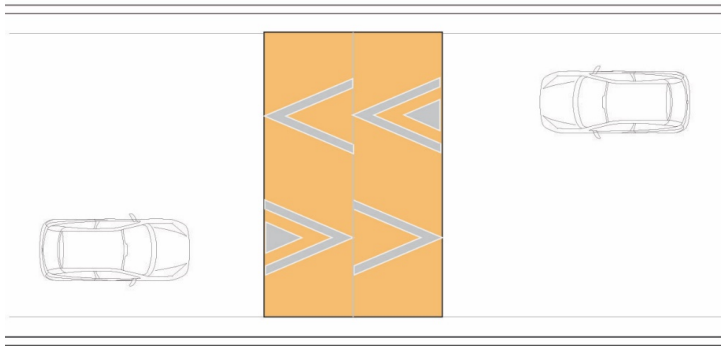


Raised Intersection

this device is  
under review  
by the  
engineering  
dept.

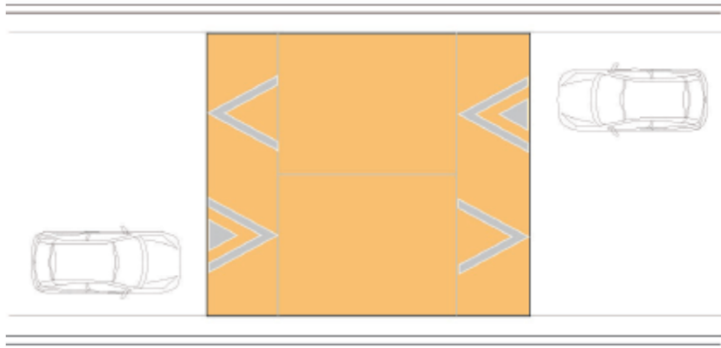
this device is  
under review  
by the  
engineering  
dept.

# Things You Drive Over: Speed Humps



Example: Wells Street

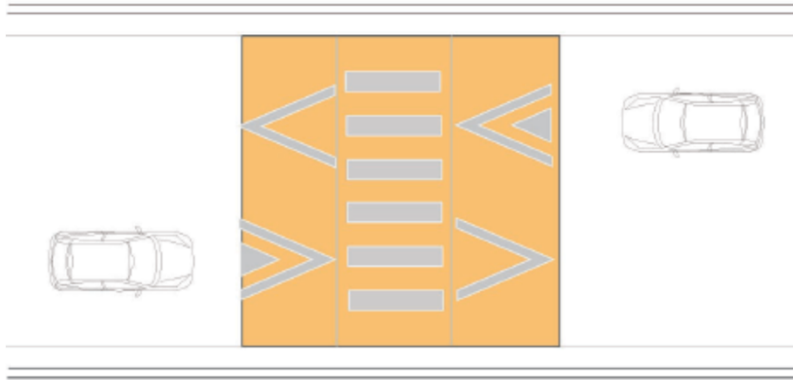
# Things You Drive Over: Speed Tables



Example: Glenwood Road

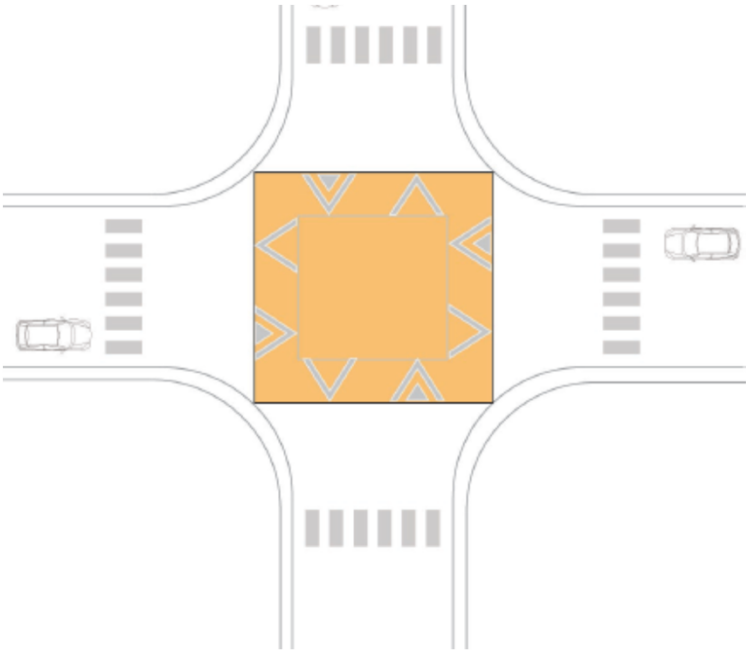


## Things You Drive Over: Raised Crosswalk



Example: S. Forest Avenue

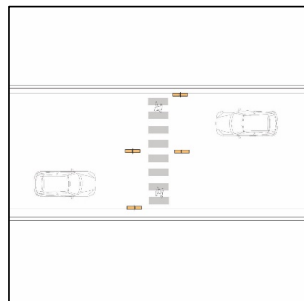
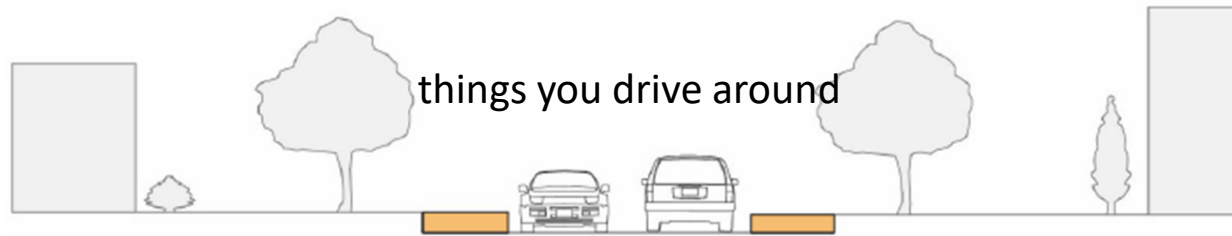
# Things You Drive Over: Raised Intersection



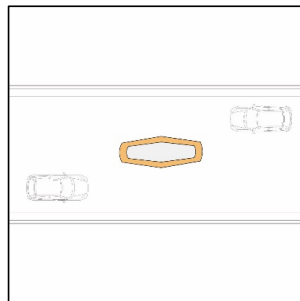
Example: Maplewood Avenue

# Questions?

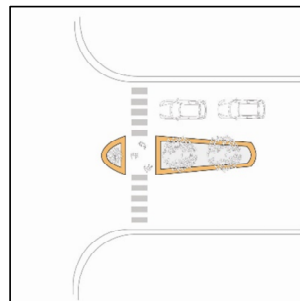
# Orientation: Device Toolbox



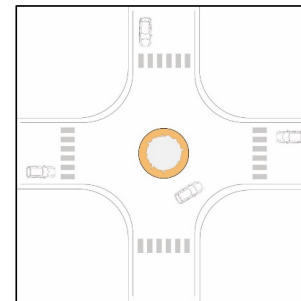
Pedestrian Gateway



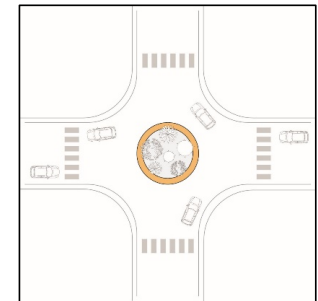
Median Island



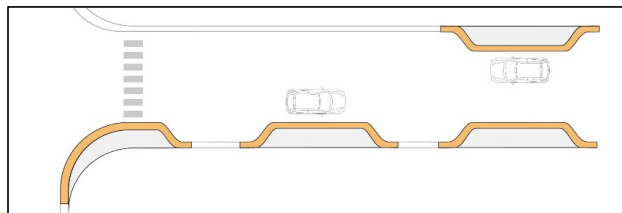
Pedestrian Island



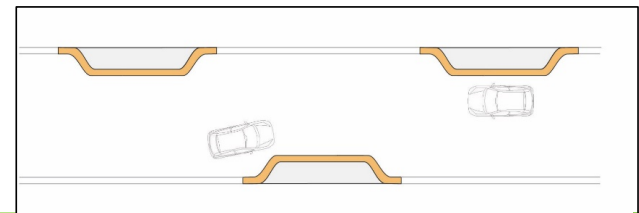
Residential  
Traffic Circle



Mini Roundabout

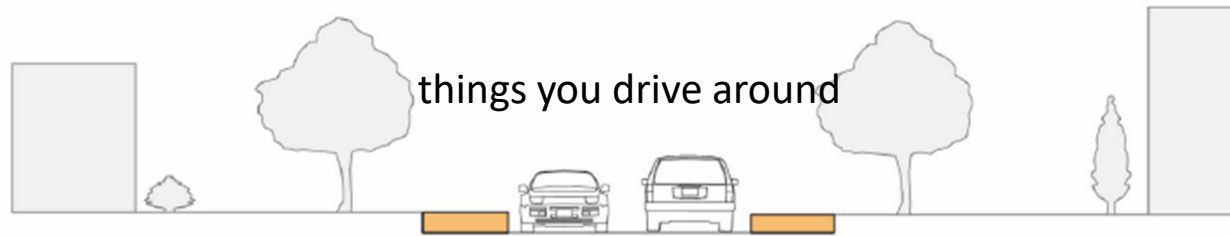


Curb Extensions



Chicanes

# Orientation: Device Toolbox



street not wide enough for emergency vehicle clearance

Pedestrian Gateway

street not wide enough for emergency vehicle clearance

Median Island

street not wide enough for emergency vehicle clearance

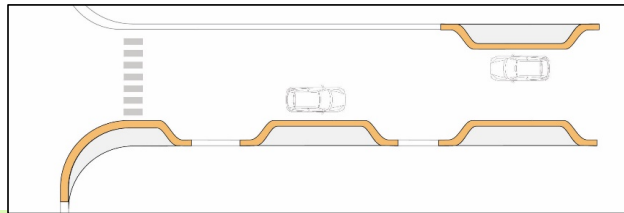
Pedestrian Island

street not wide enough for emergency vehicle clearance

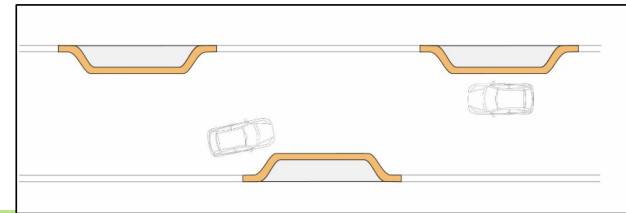
Residential Traffic Circle

street not wide enough for emergency vehicle clearance

Mini Roundabout

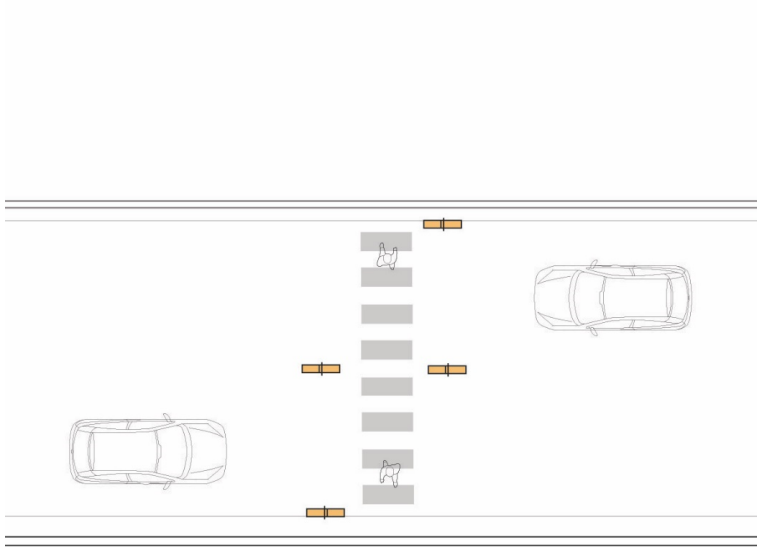


Curb Extensions



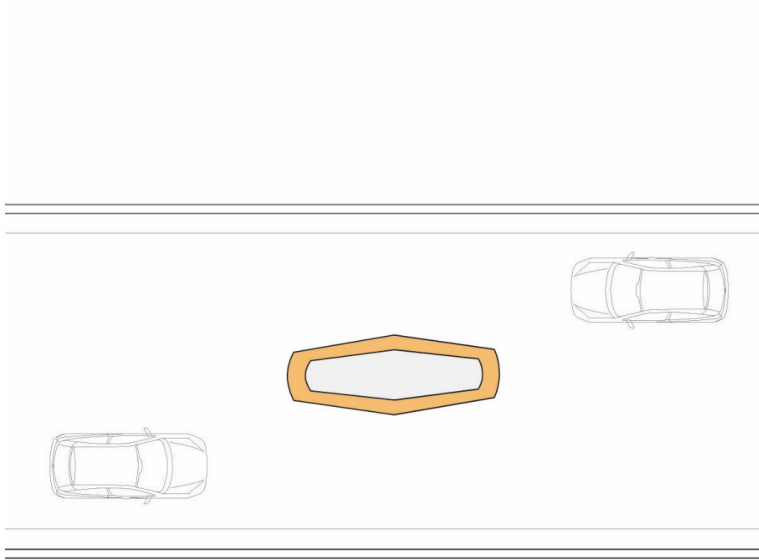
Chicanes

# Things You Drive Around: Pedestrian Gateway Treatment



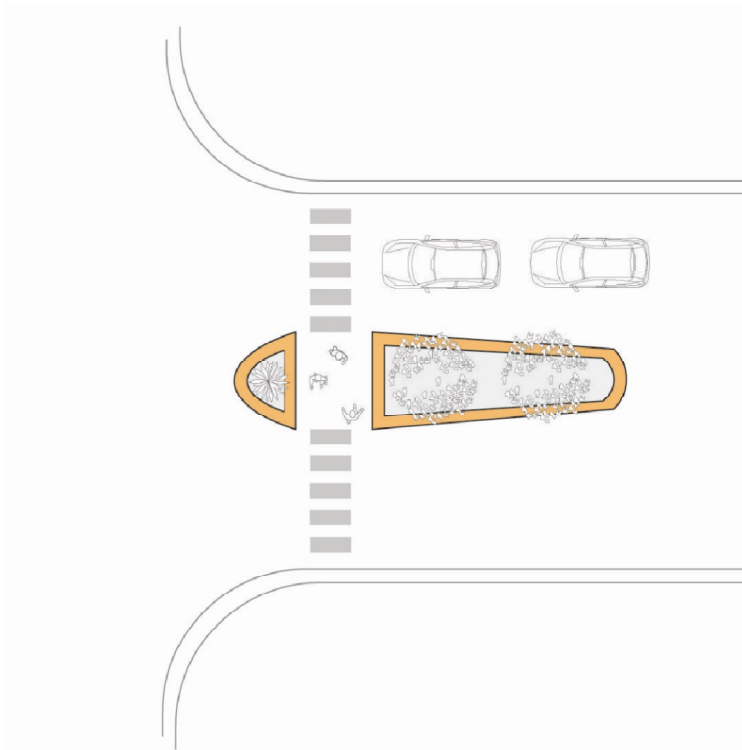
Example: Nixon Road

# Things You Drive Around: Median Island



Example: Easy Street

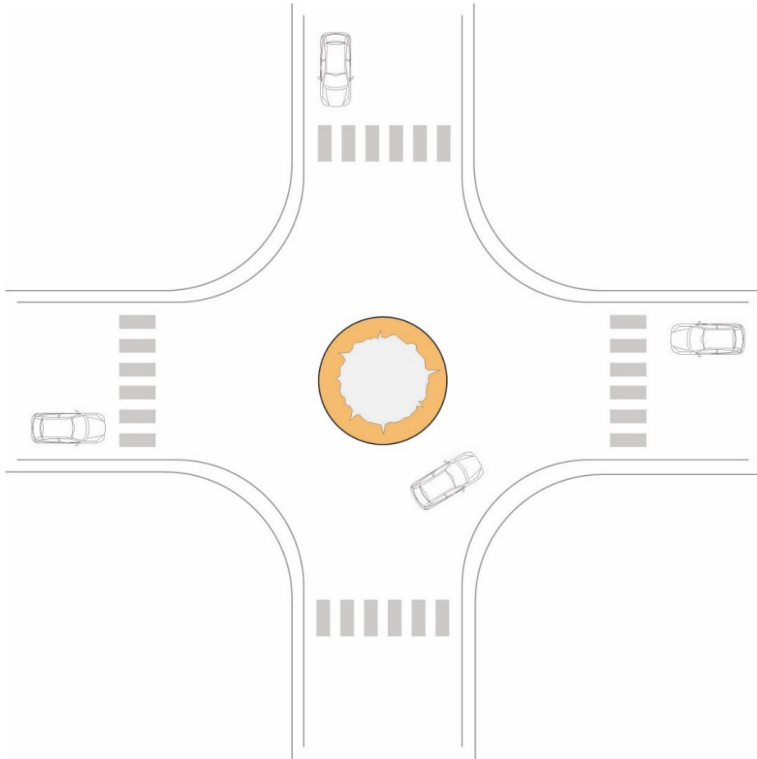
# Things You Drive Around: Pedestrian Island/Median Landscaping



Example: Georgetown Boulevard and Bluett Road



# Things You Drive Around: Residential Traffic Circle



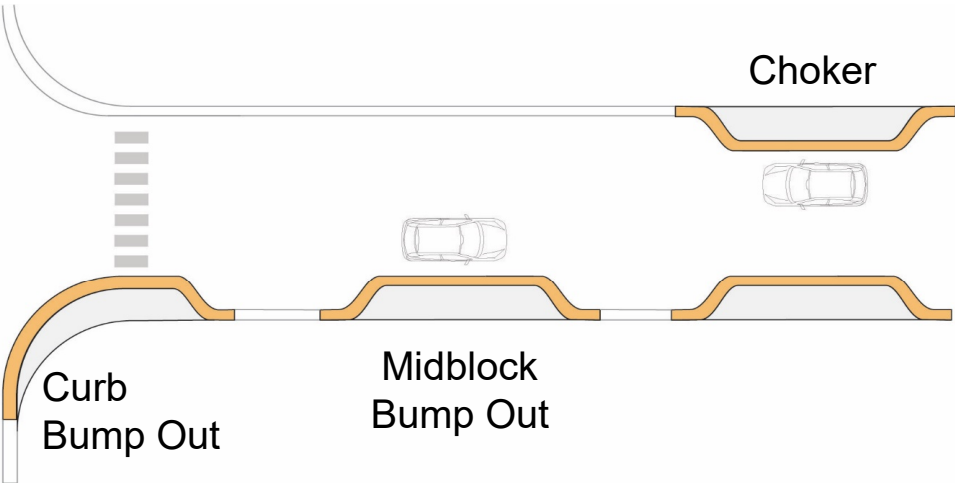
Example: Yost Boulevard

# Things You Drive Around: Compact Urban/Mini Roundabout



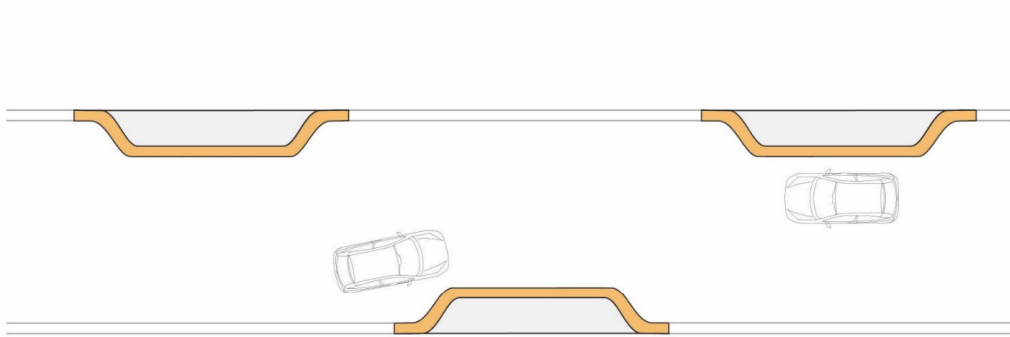
Example: Pittsfield Boulevard

# Things You Drive Around: Curb Extensions



Example: Granger Avenue Bump Out

# Things You Drive Around: Chicanes



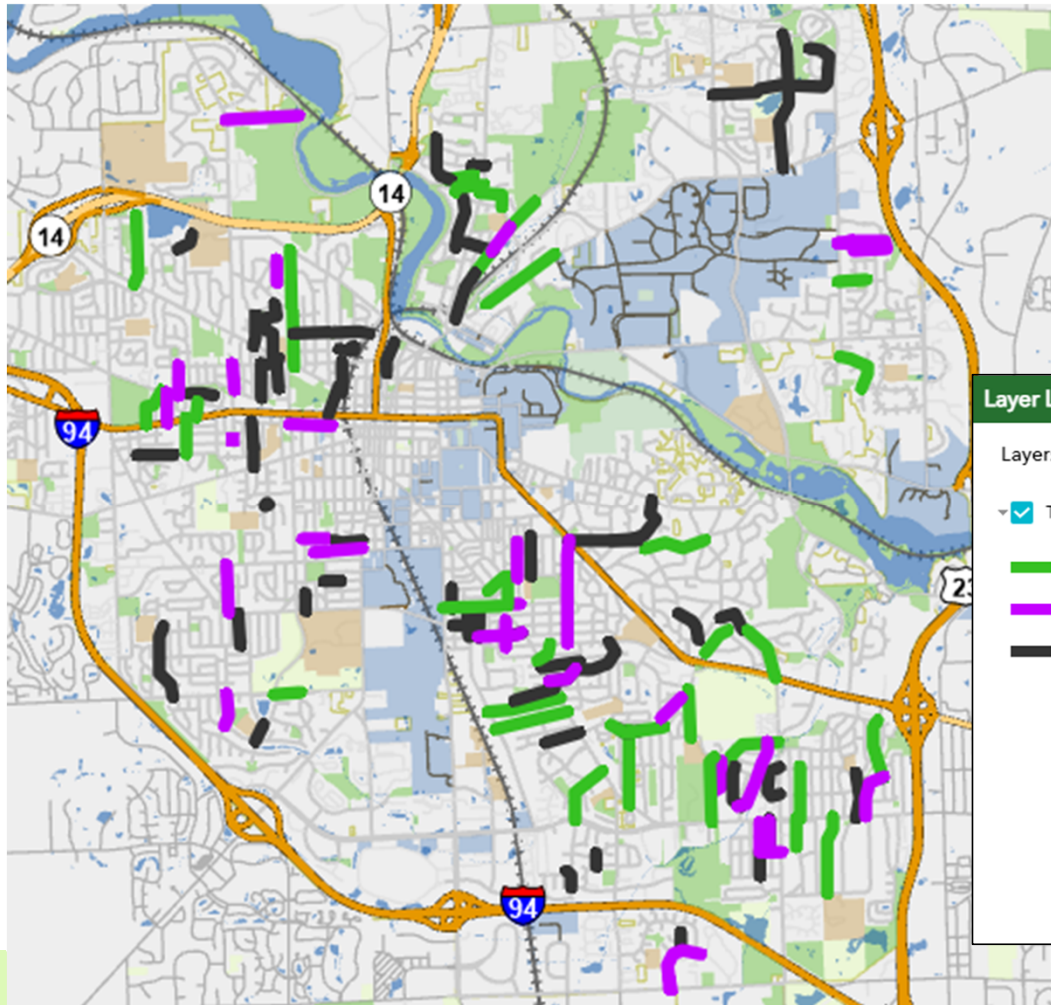
Example: Virginia Department of Transportation

## Other Devices: Neighborhood Gateway Treatment



# Questions?

# Ann Arbor Traffic Calming Projects



Interactive map online: [a2gov.org/TrafficCalming](https://a2gov.org/TrafficCalming)

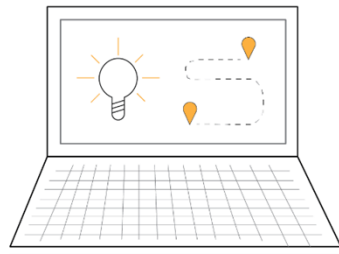
**Layer List** [X]

Layers [Search] [Layers Icon]

- Traffic Calming Efforts [More Icon]
- Constructed
- In Progress
- Not Qualified

# Feedback Exercise

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Present Starter Idea



Discussion and feedback about  
each device type and location



City of Ann Arbor Traffic Calming Program - January 28, 2025  
Starter Idea - Carmel Street (Easy Street - Towner Boulevard)



EXISTING STREET LIGHT  
EXISTING FIRE HYDRANT

DEVICE #1  
SPEED HUMP

DEVICE #2  
SPEED HUMP

DEVICE #3  
SPEED HUMP

EXISTING STREET LIGHT

500 FEET

300 FEET

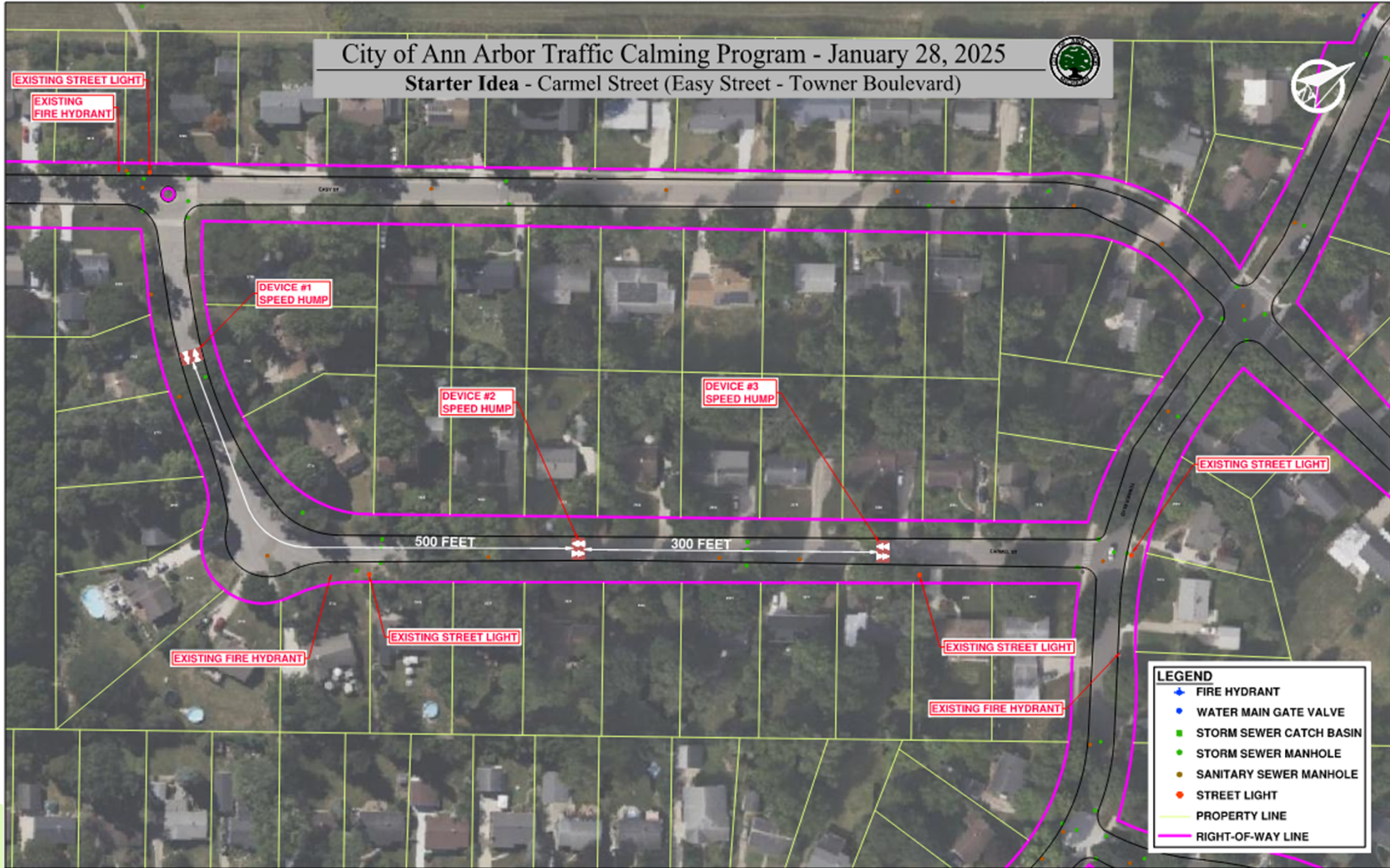
EXISTING FIRE HYDRANT

EXISTING STREET LIGHT

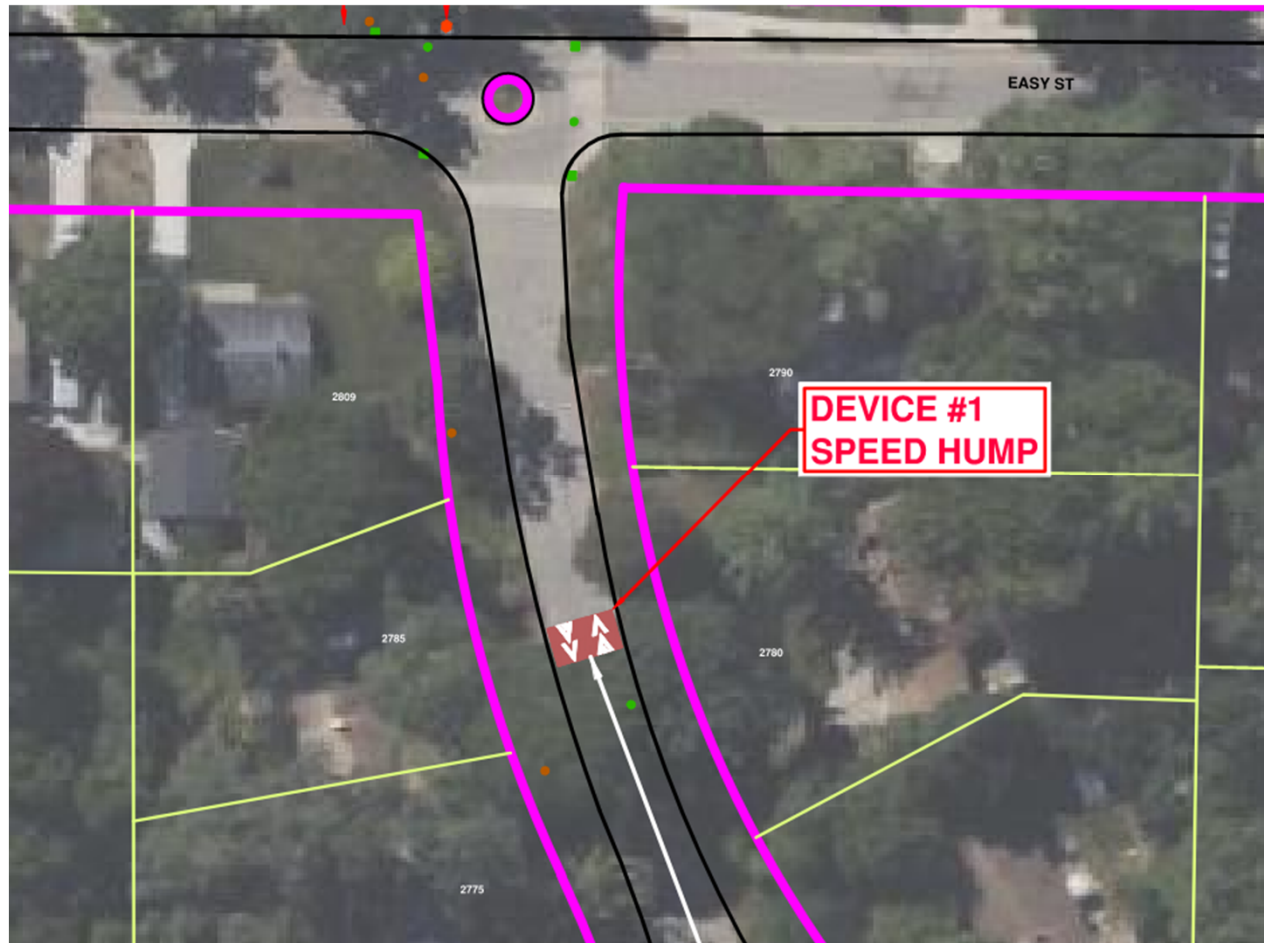
EXISTING STREET LIGHT

EXISTING FIRE HYDRANT

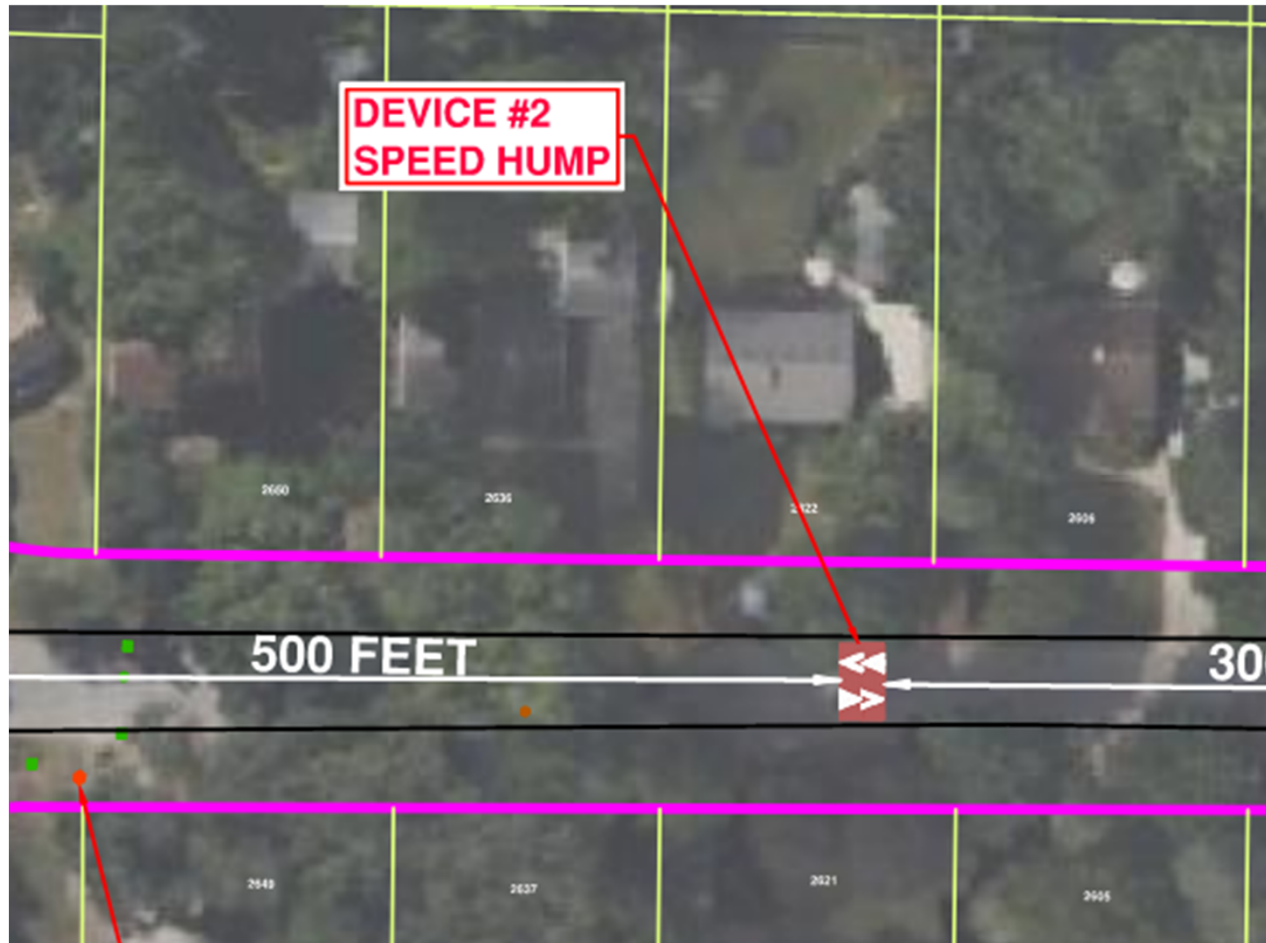
- LEGEND**
- FIRE HYDRANT
  - WATER MAIN GATE VALVE
  - STORM SEWER CATCH BASIN
  - STORM SEWER MANHOLE
  - SANITARY SEWER MANHOLE
  - STREET LIGHT
  - PROPERTY LINE
  - RIGHT-OF-WAY LINE



# Device #1: Speed Hump



## Device #2: Speed Hump



# Device #3: Speed Hump



# Polling

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City of Ann Arbor Traffic Calming Program - January 28, 2025  
Starter Idea - Carmel Street (Easy Street - Towner Boulevard)



EXISTING STREET LIGHT  
EXISTING FIRE HYDRANT



DEVICE #1  
SPEED HUMPS

DEVICE #2  
SPEED HUMPS

DEVICE #3  
SPEED HUMPS

500 FEET

300 FEET

EXISTING FIRE HYDRANT

EXISTING STREET LIGHT

EXISTING STREET LIGHT

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 - January 28, 2025  
Starter Idea - Carmel Street (Easy Street - Towner Boulevard)



EXISTING STREET LIGHT

EXISTING FIRE HYDRANT

DEVICE #1  
SPEED HUMP

DEVICE #2  
SPEED HUMP

DEVICE #3  
SPEED HUMP

EXISTING STREET LIGHT

500 FEET

300 FEET

EXISTING FIRE HYDRANT

EXISTING STREET LIGHT

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 - January 28, 2025  
Starter Idea - Carmel Street (Easy Street - Towner Boulevard)



EXISTING STREET LIGHT  
EXISTING FIRE HYDRANT

DEVICE #1  
SPEED HUMP

DEVICE #2  
SPEED HUMP

DEVICE #3  
SPEED HUMP

EXISTING STREET LIGHT

500 FEET

300 FEET

EXISTING FIRE HYDRANT

EXISTING STREET LIGHT

EXISTING STREET LIGHT

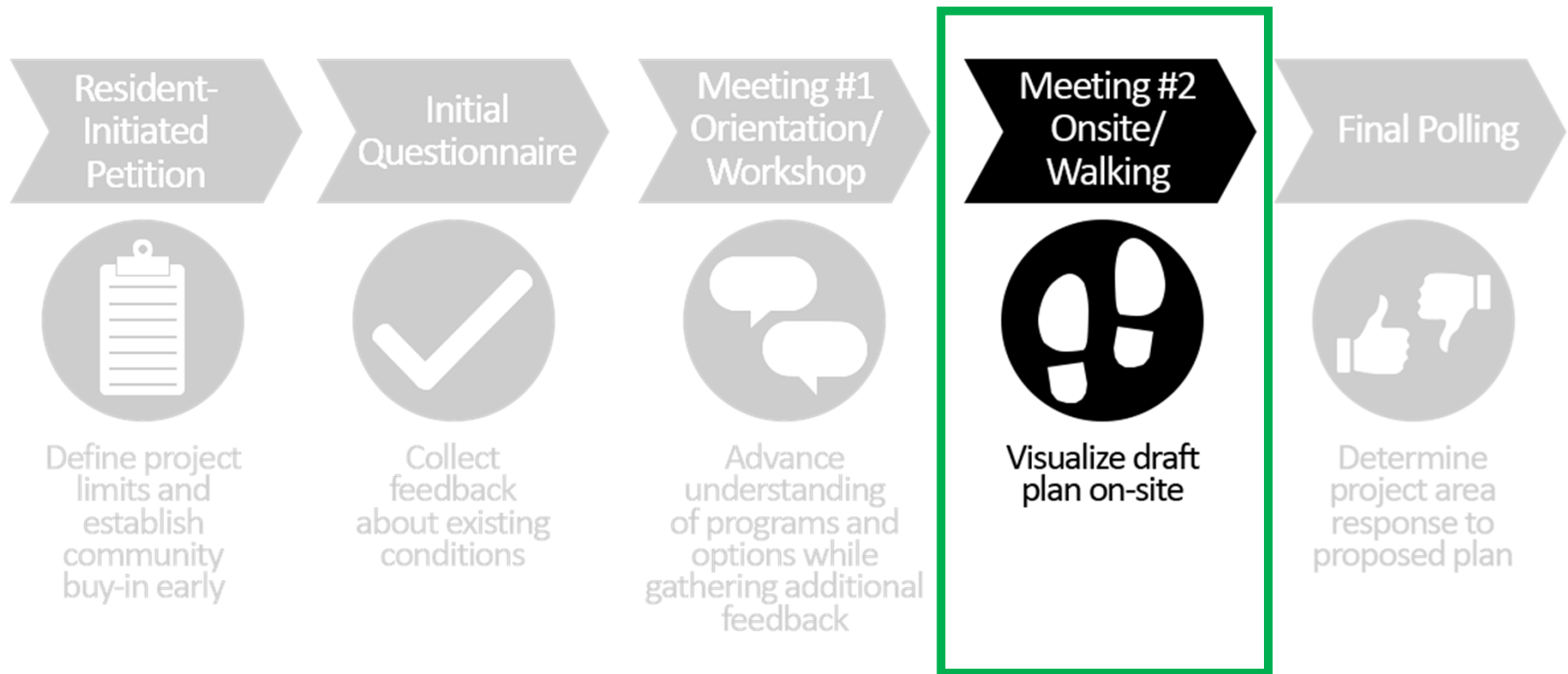
EXISTING FIRE HYDRANT

- 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

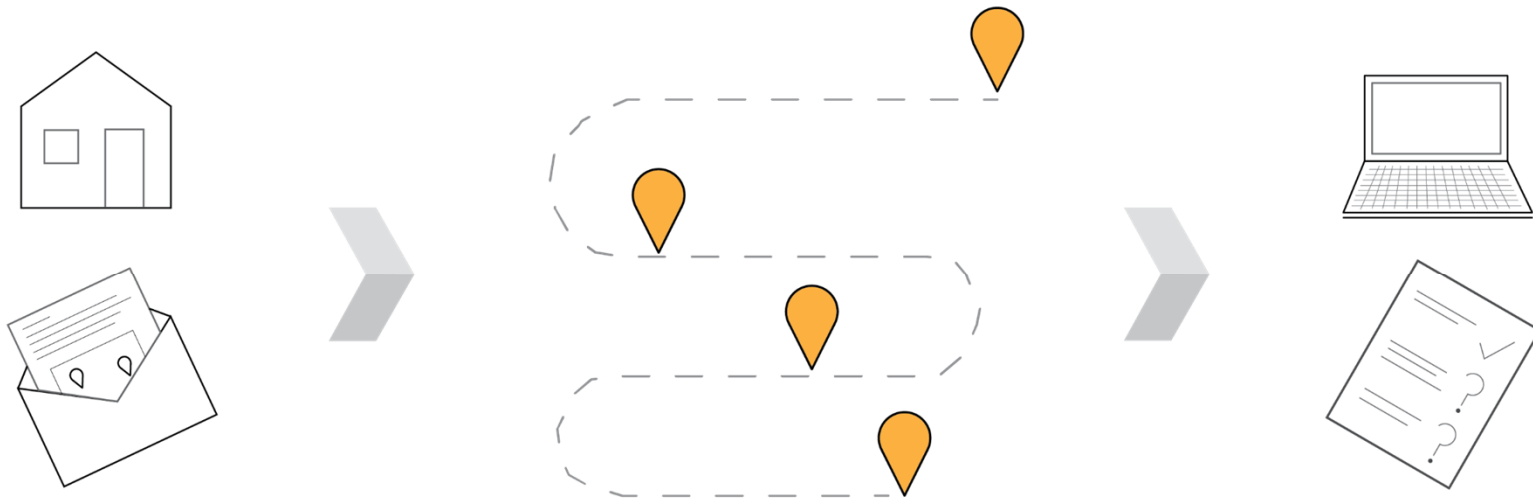




## Step 4: Self-Guided Tour/Meeting #2



# Self-Guided Tour

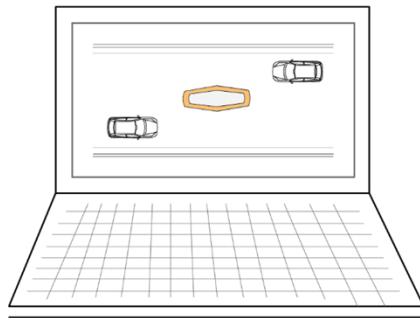


Review mailing packet

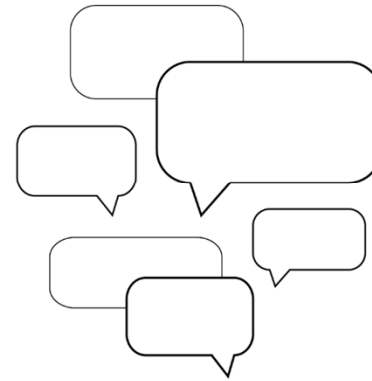
Visit locations

Bring questions to electronic meeting

## Meeting #2

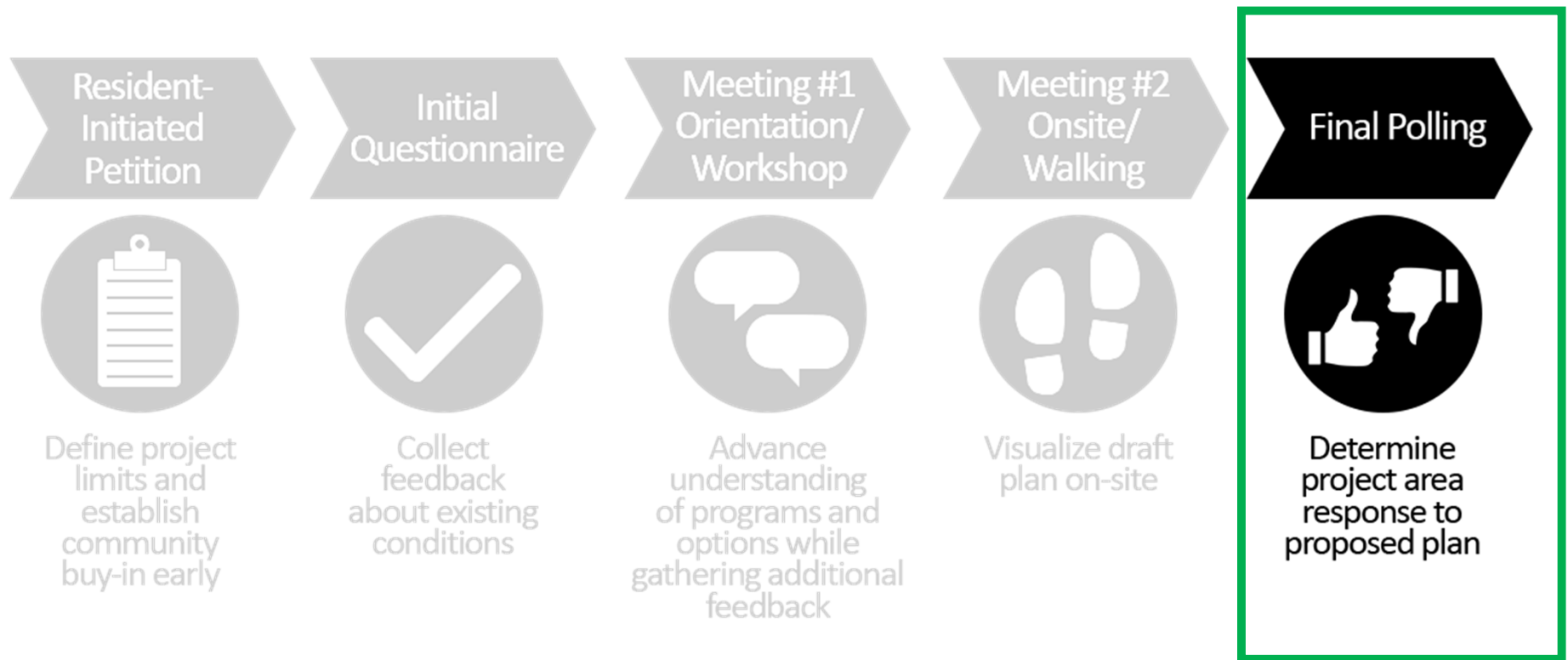


Present preliminary  
draft plan



Discussion and feedback about each  
device type and location

## Step 5: Final Polling



## Final Polling



homeowners, renters +  
landlords polled



**>50%**

minimum response  
support required



## Next Steps

### Date

April 9	Meeting #2 from 6:00 pm – 7:30 pm
May 13	Final Polling Card will be mailed to project area addresses
June 2	Deadline to electronically complete or postmark final polls
June 16	Results posted to project website

**Thank you!**



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