

# WELCOME!

*The Granger Avenue 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/TCGrangerFO](https://a2gov.org/TCGrangerFO)

# Project Team



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



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



**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



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



**Raymond Hess, AICP-CTP** (he/him)  
City of Ann Arbor  
Transportation Manager  
AICP-CTP: American Institute of Certified  
Planners – Certified Transportation Planner



# Meeting Agenda

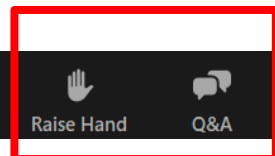
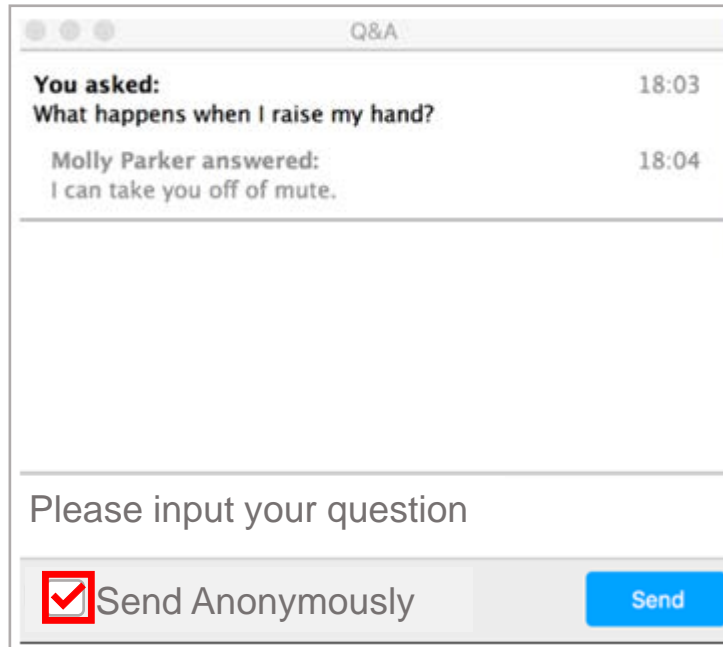
- I. Zoom Technology Overview
- II. Meeting Norms
- III. Traffic Calming Process
  - Resident-Initiated Petition
  - Initial Questionnaire
  - Meeting #1
    - Device Toolbox
    - Starter Idea
    - Feedback Exercise
  - Meeting #2
  - Final Polling
- IV. Next Steps

# 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.

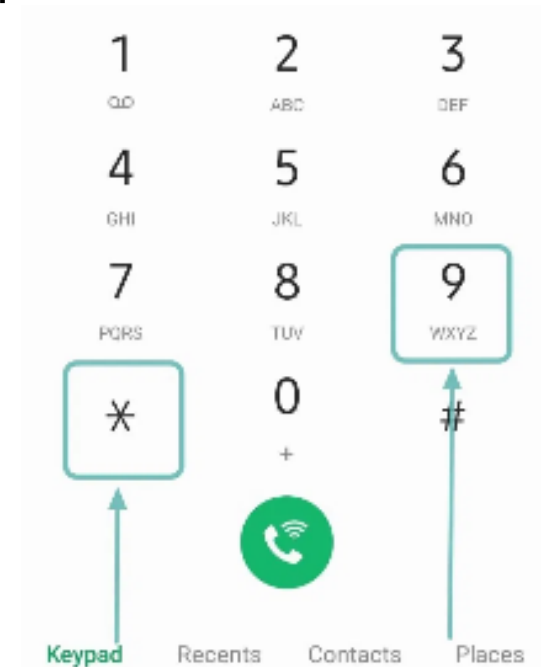
## Computer

- 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



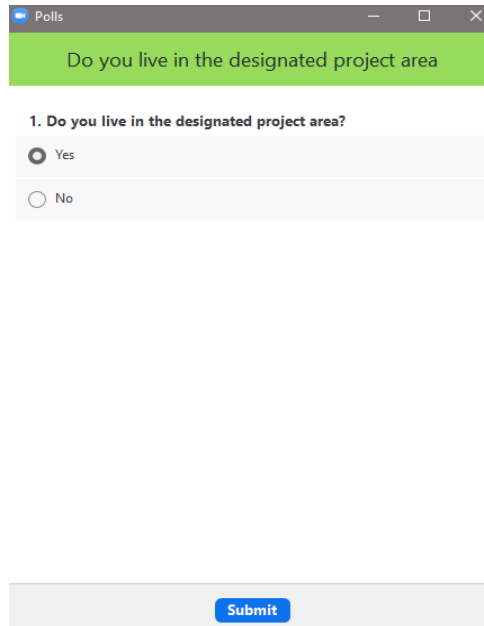


# Technology Overview – Polling

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

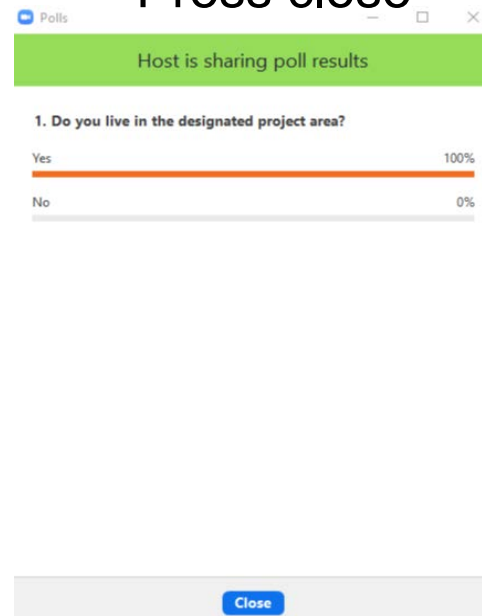
## Computer

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



The screenshot shows a browser window titled "Polls" with a green header bar containing the question "Do you live in the designated project area?". Below the header, the question is repeated: "1. Do you live in the designated project area?". 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



The screenshot shows the same browser window titled "Polls" with a green header bar containing the text "Host is sharing poll results". Below the header, the question is repeated: "1. Do you live in the designated project area?". There are two horizontal progress bars: "Yes" with a blue bar at 100% and "No" with a grey bar at 0%. 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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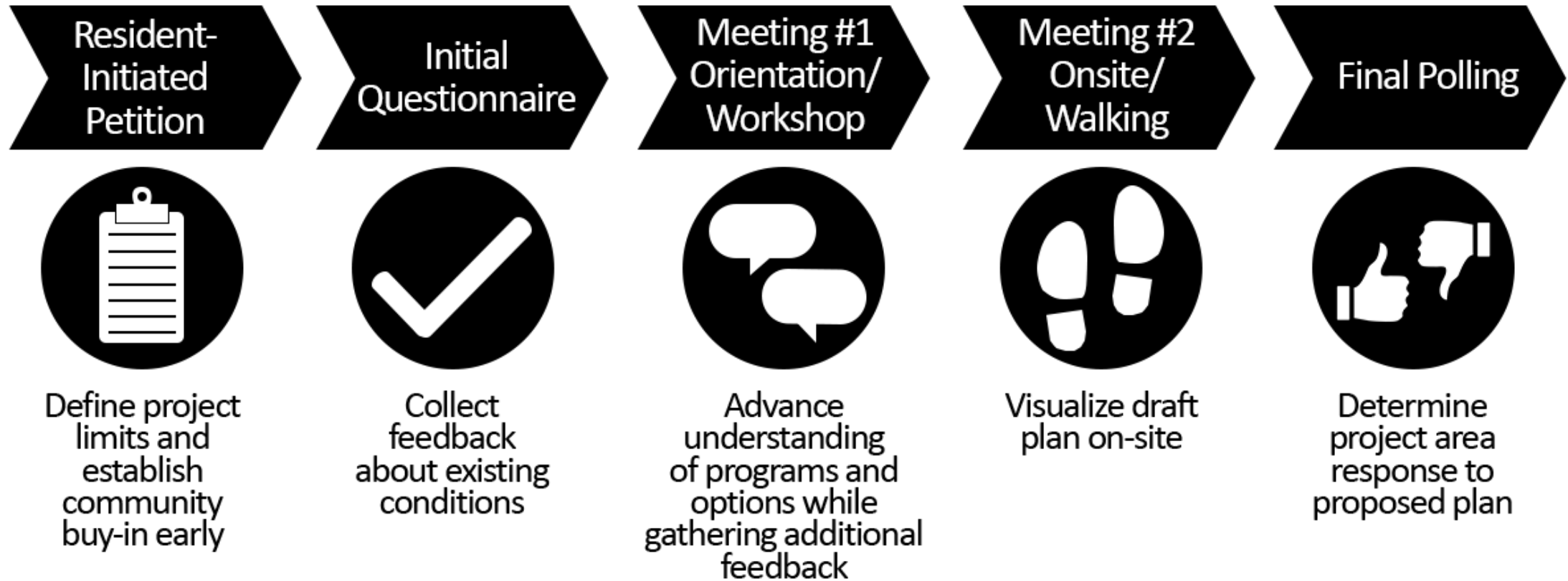
# **Process**

# What is Traffic Calming?

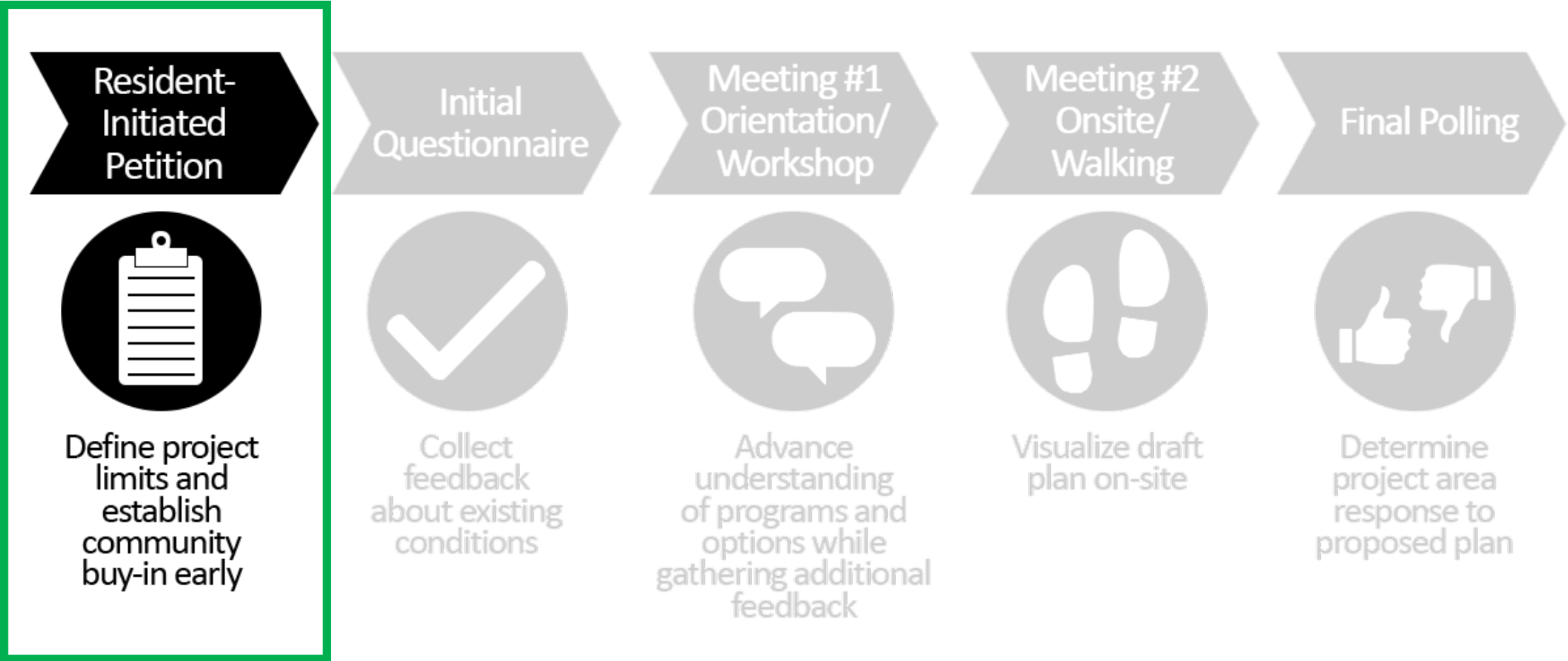
“Traffic Calming is the combination of mainly physical measures that reduce the negative effects of motor vehicle use, alter driver behavior, and improve conditions for non-motorized street users.”

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

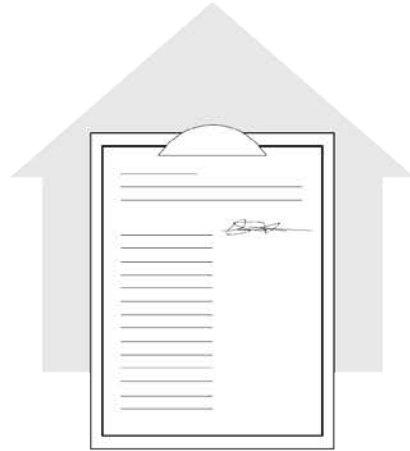
# Traffic Calming in Ann Arbor



# Step 1: Resident-Initiated Petition



# Resident-Initiated Petition Results



resident-initiated petition

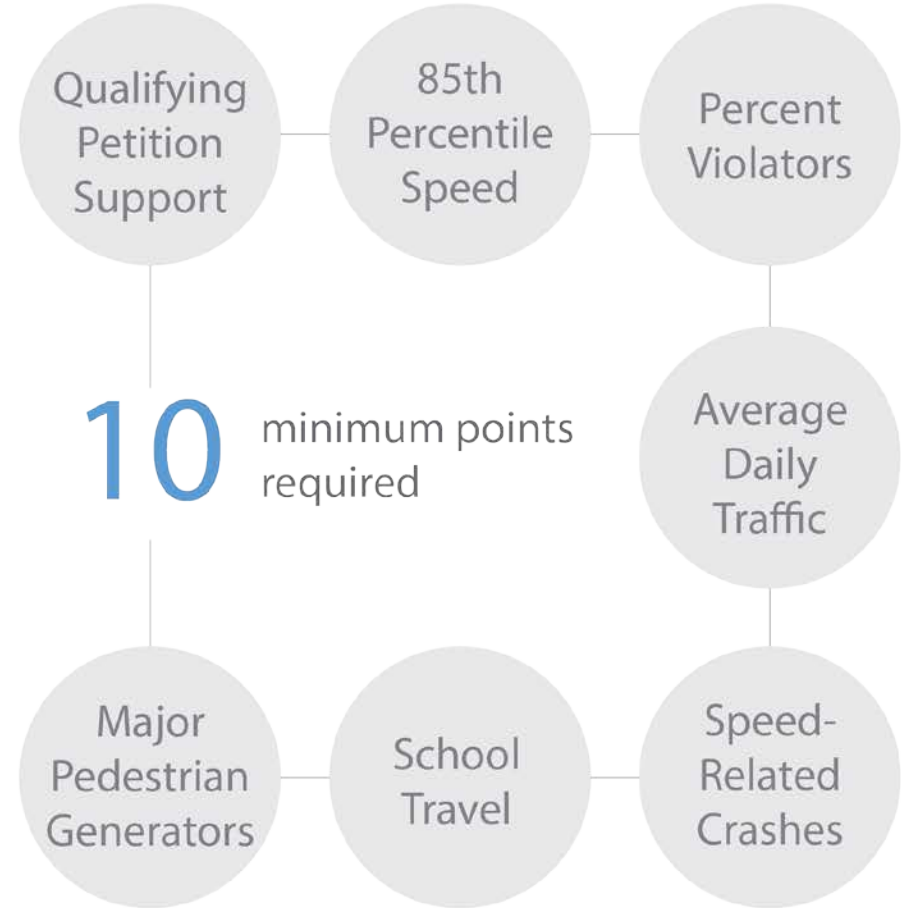


50%



minimum addresses properly represented within area of interest

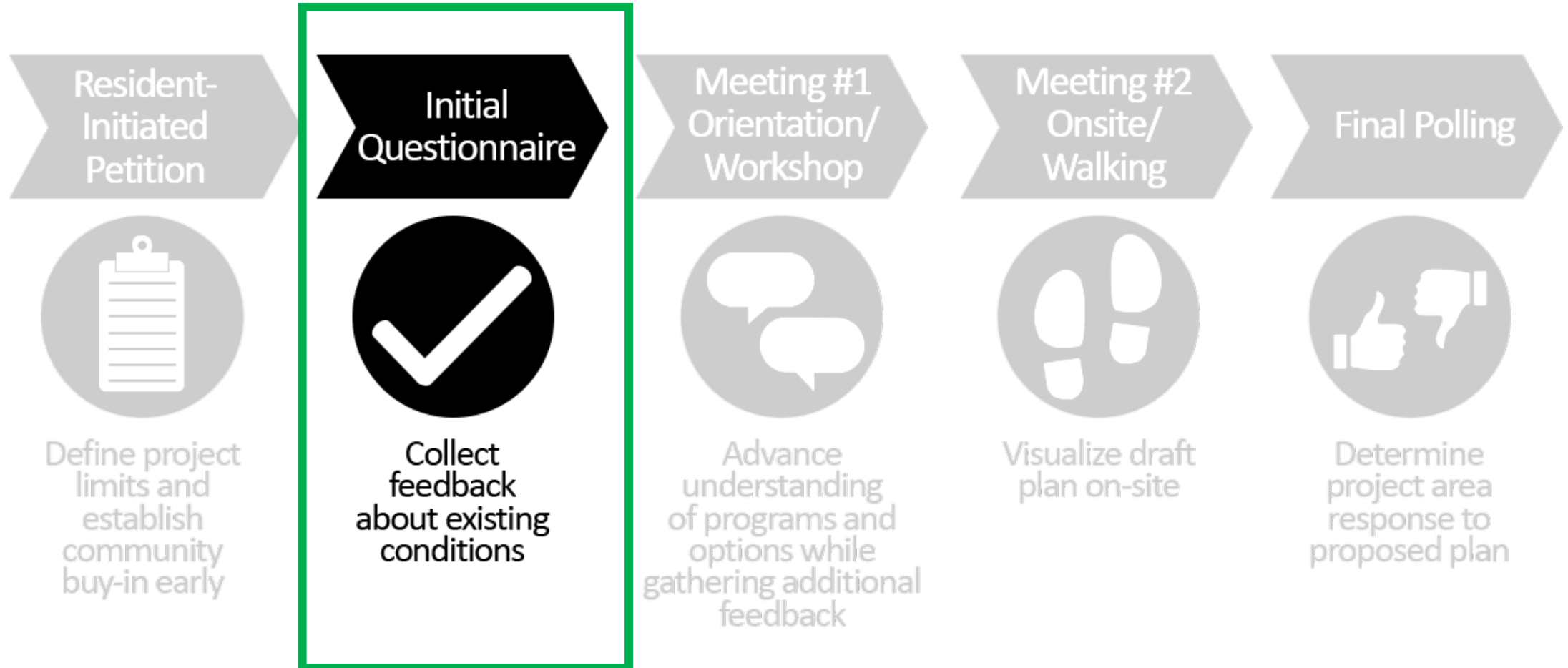
50% representation achieved



10 minimum points required

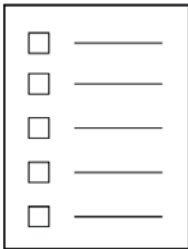
14<sub>pts</sub> earned

## Step 2: Initial Questionnaire





# Initial Questionnaire Results



50%

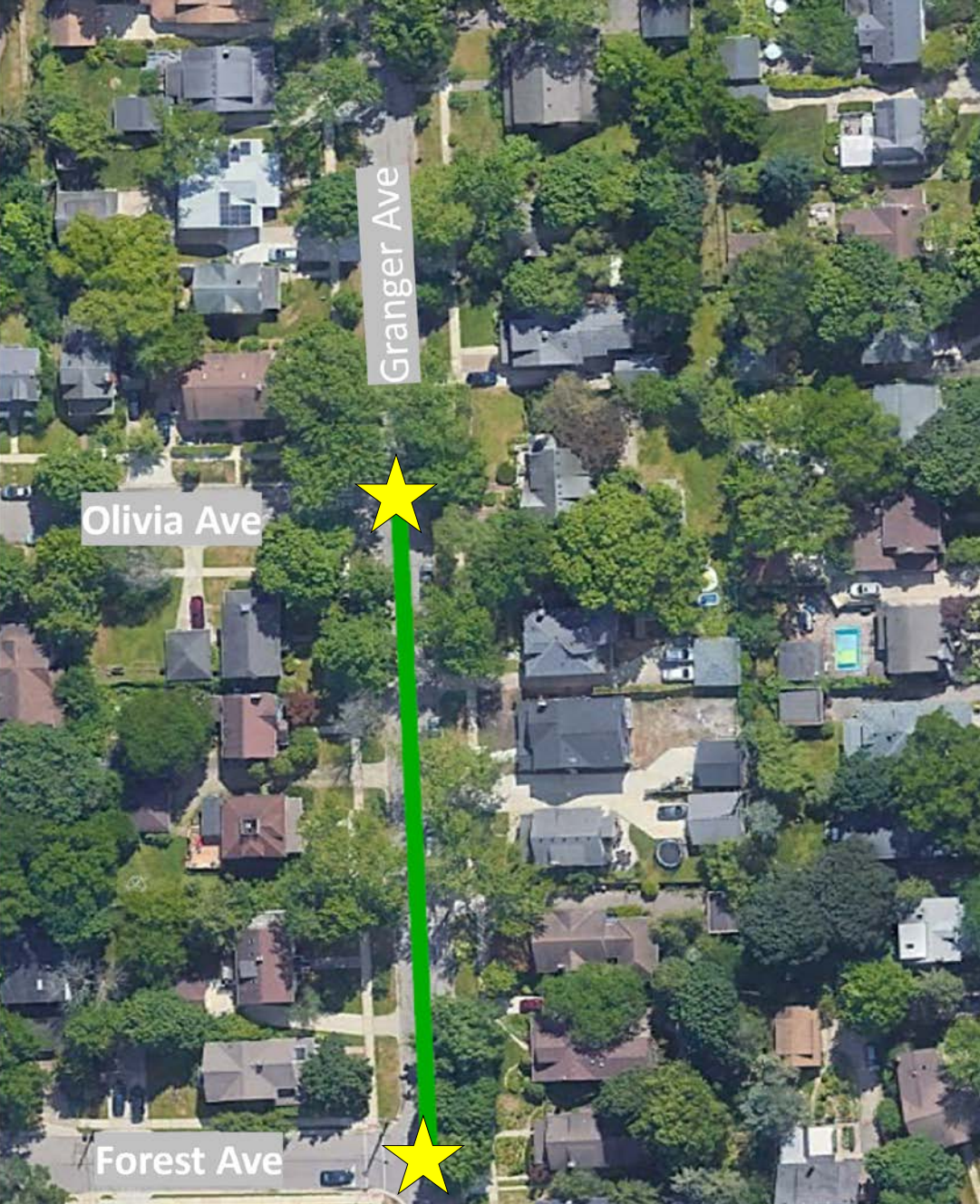
Initial Questionnaire Package

minimum response support required



100%

response support received



# Initial Questionnaire Summary

Detailed summary at [a2gov.org/TCGrangerFO](http://a2gov.org/TCGrangerFO)

- Speeding in both directions
- Important pedestrian crossings ★
- Midblock crossings
- Near Burns Park/Elementary
- No pedestrian facilities

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

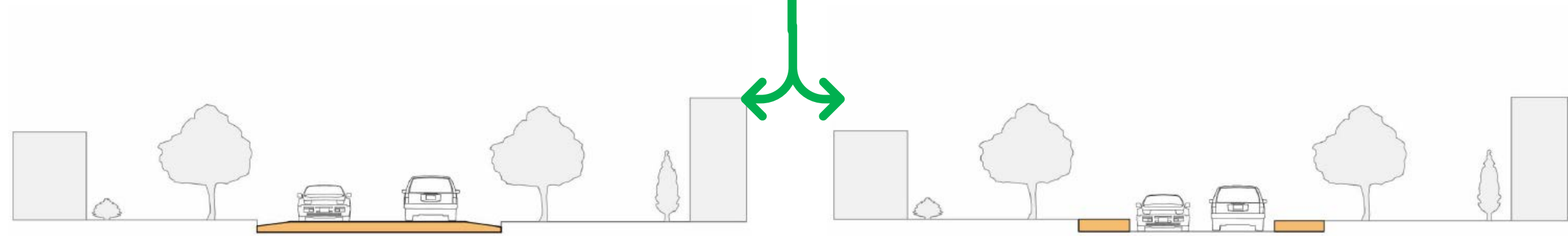
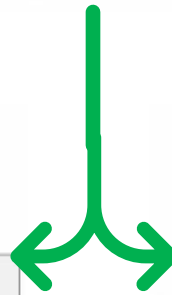
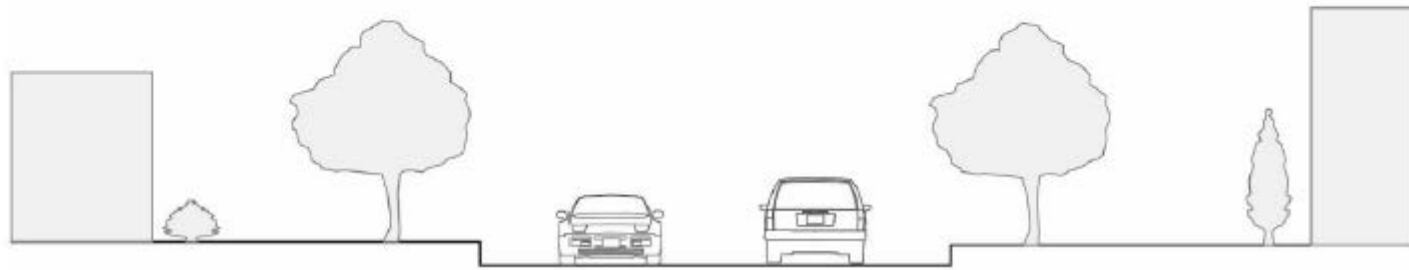
## NOT Included

- 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 website

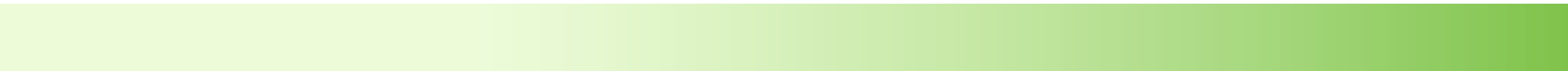


# Orientation: Device Toolbox



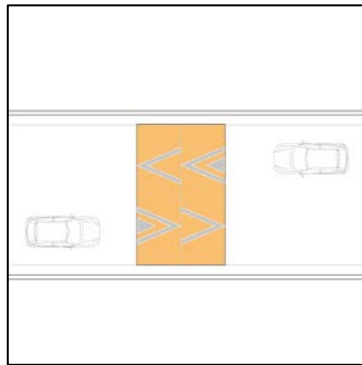
things you drive over

things you drive around

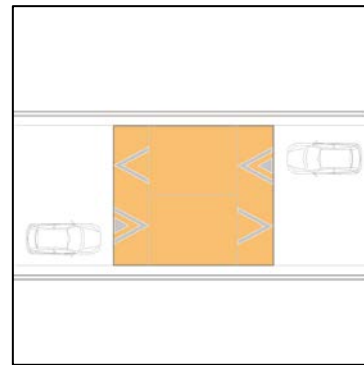




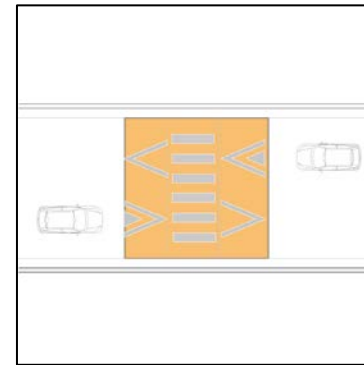
# Orientation: Device Toolbox



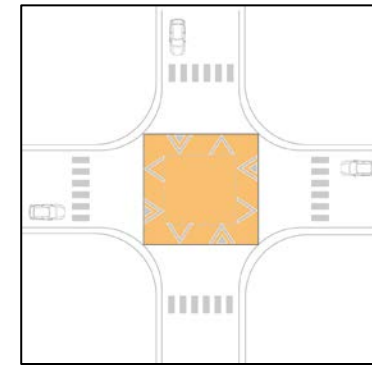
Speed Hump



Speed Table



Raised Crosswalk

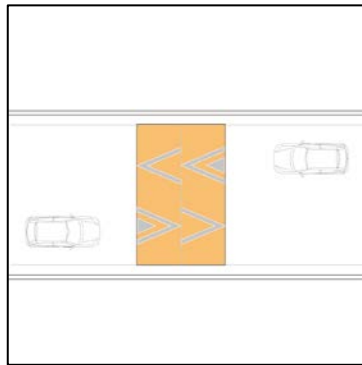


Raised Intersection

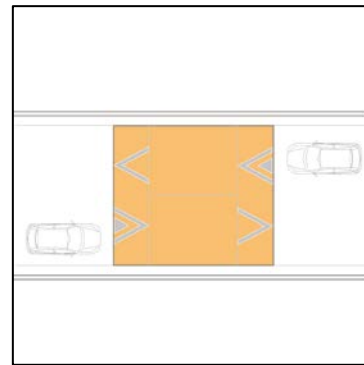
# Orientation: Device Toolbox



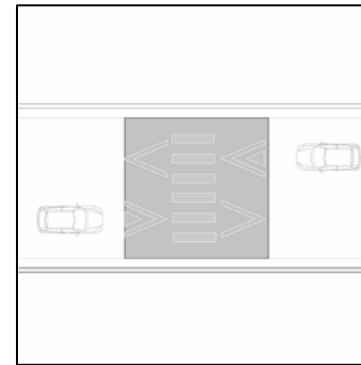
no existing  
crosswalks on  
Granger!



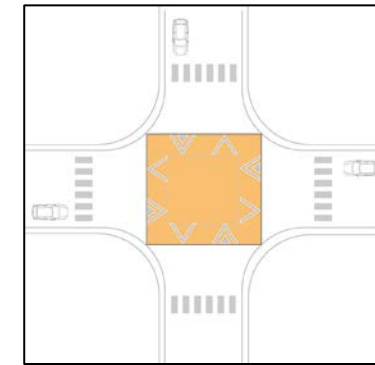
Speed Hump



Speed Table

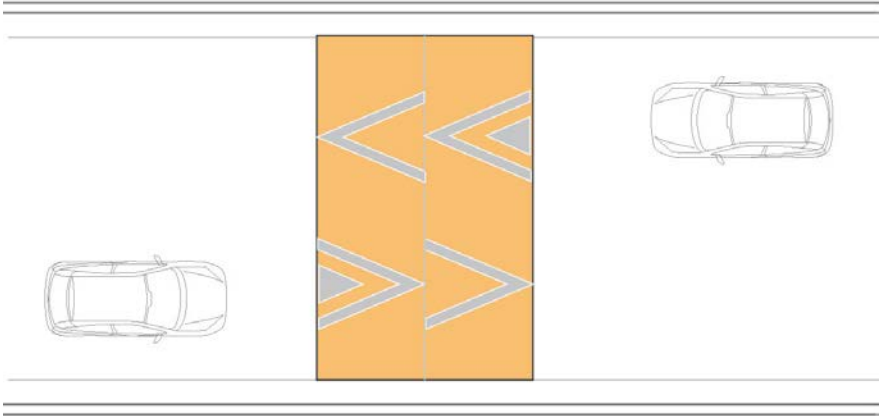


Raised Crosswalk



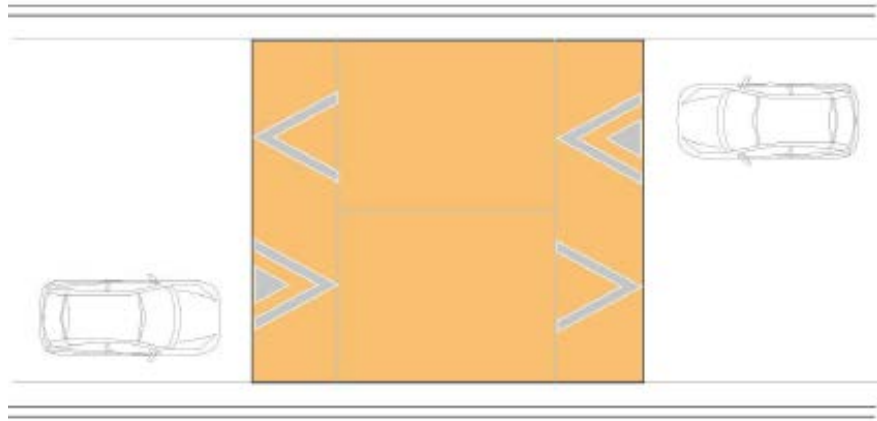
Raised Intersection

# Things You Drive Over: Speed Humps



Example: Wells Street

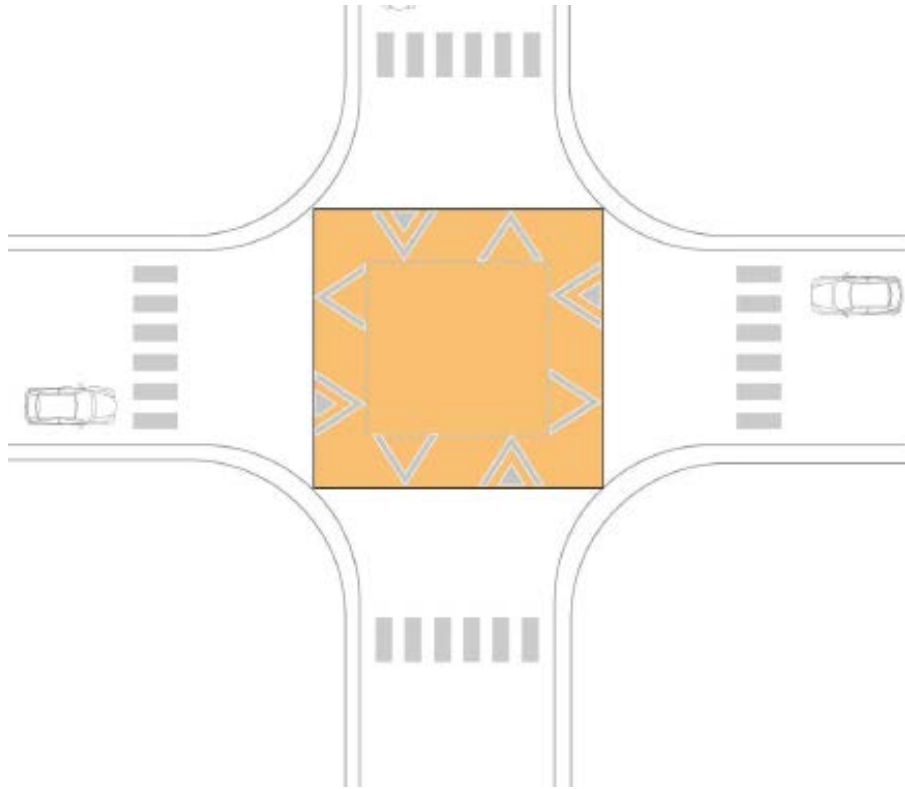
# Things You Drive Over: Speed Tables



Example: Glenwood Road



# Things You Drive Over: Raised Intersection



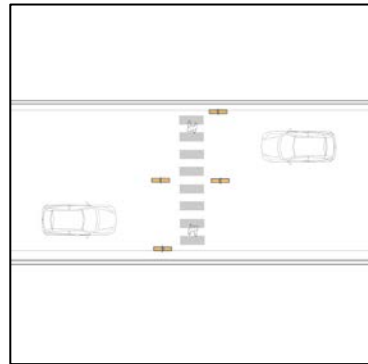
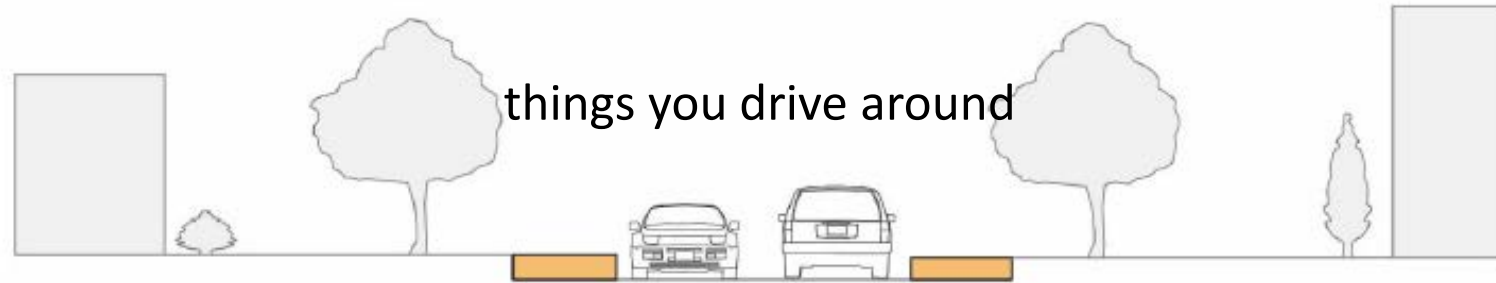
Example: Maplewood Avenue

# Questions?

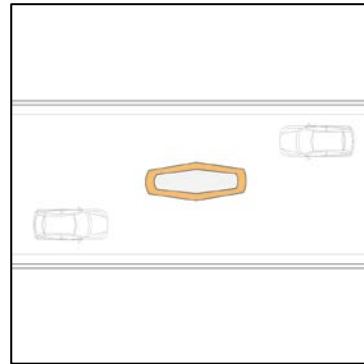
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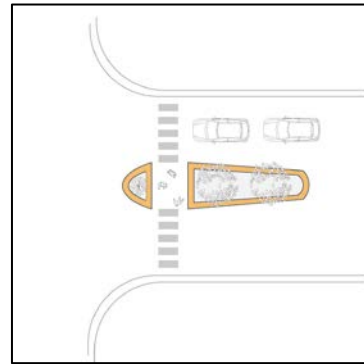
# Orientation: Device Toolbox



Pedestrian Gateway



Median Island



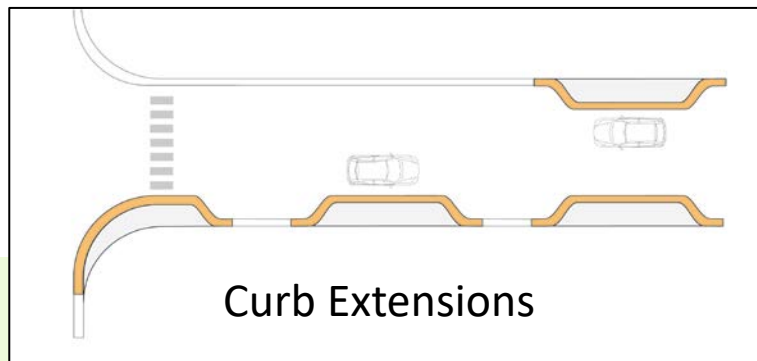
Pedestrian Island



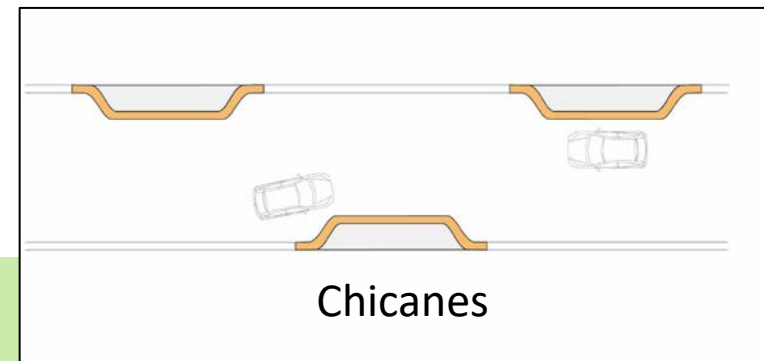
Residential  
Traffic Circle



Mini Roundabout

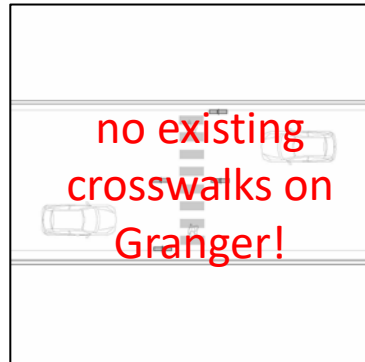
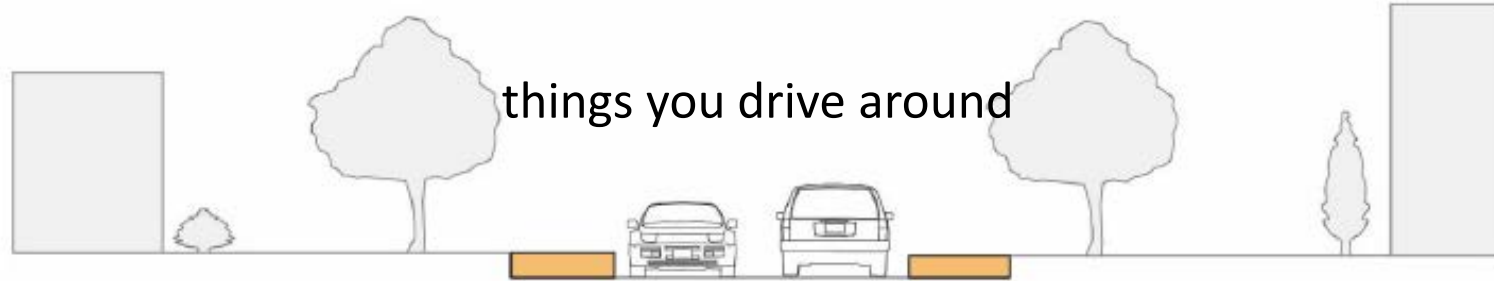


Curb Extensions

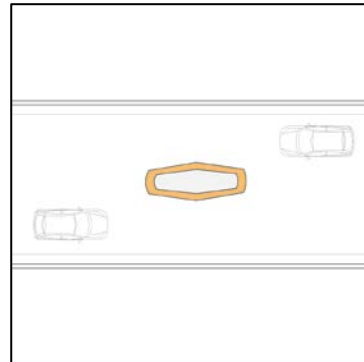


Chicanes

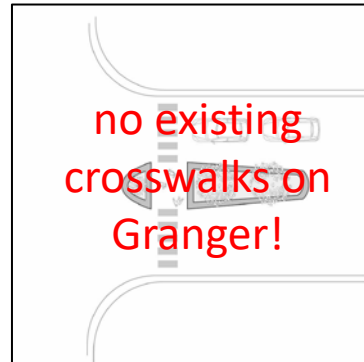
# Orientation: Device Toolbox



Pedestrian Gateway



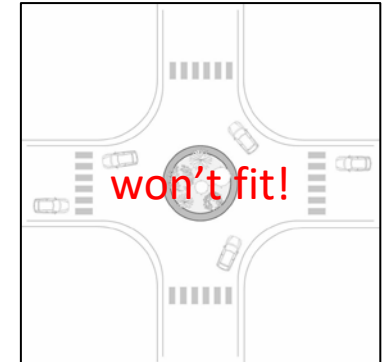
Median Island



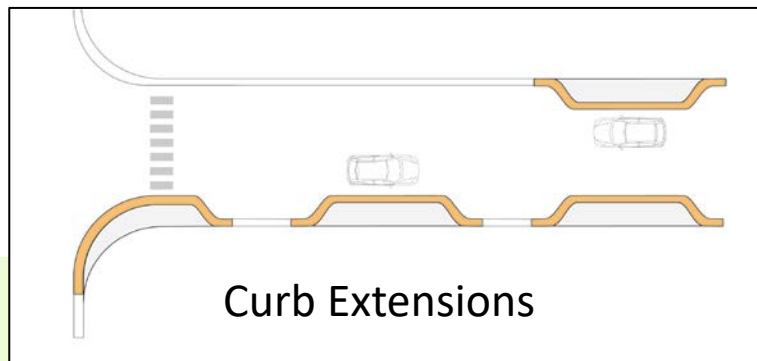
Pedestrian Island



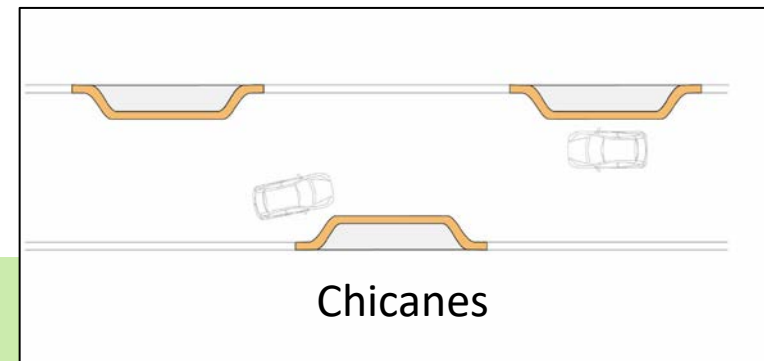
Residential  
Traffic Circle



Mini Roundabout

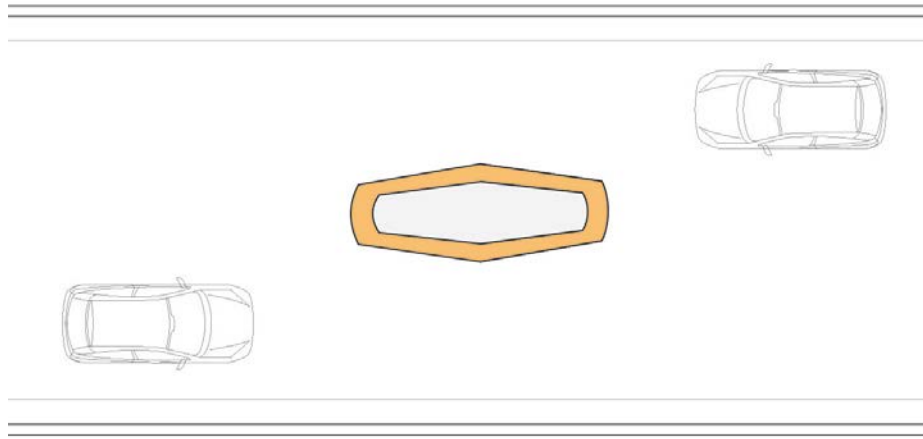


Curb Extensions



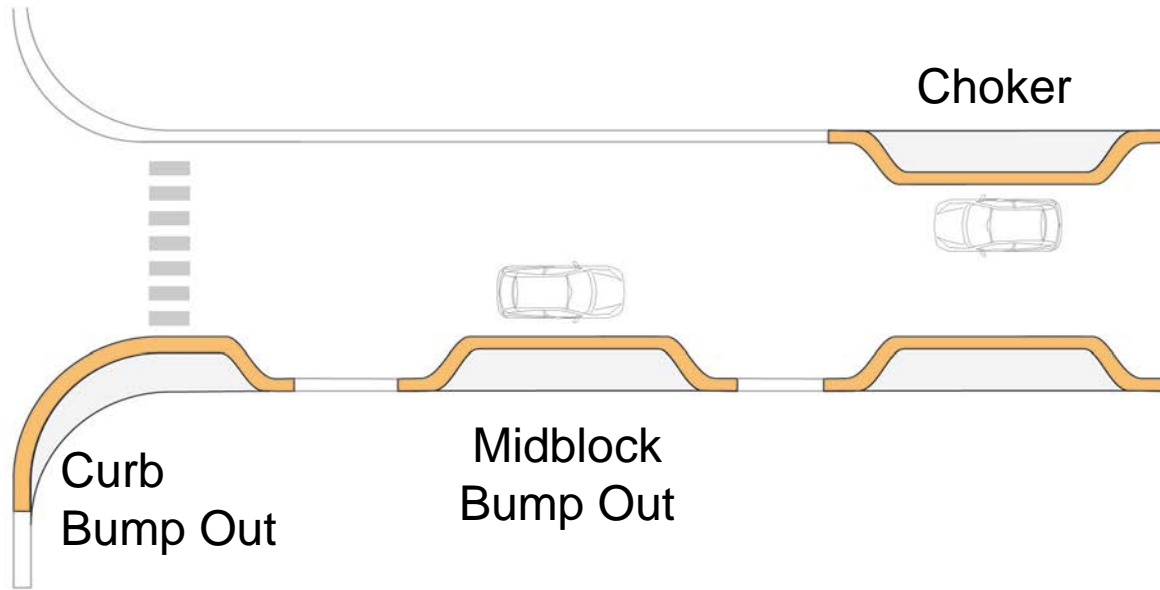
Chicanes

# Things You Drive Around: Median Island



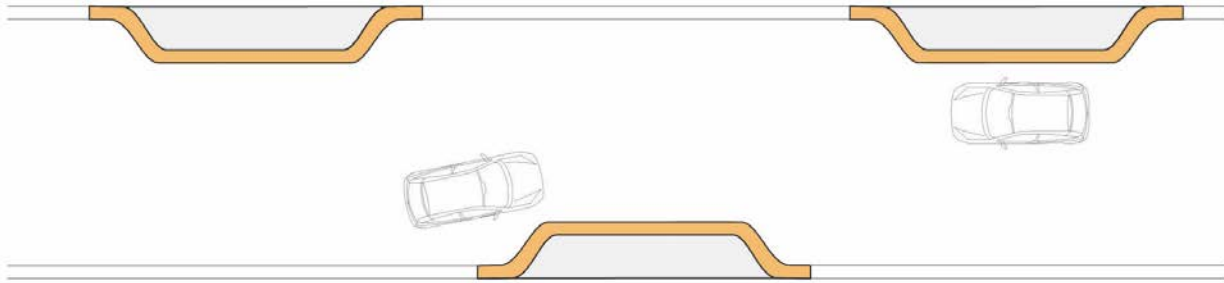
Example: Easy Street

# Things You Drive Around: Curb Extensions



Example: Granger Avenue Bump Out

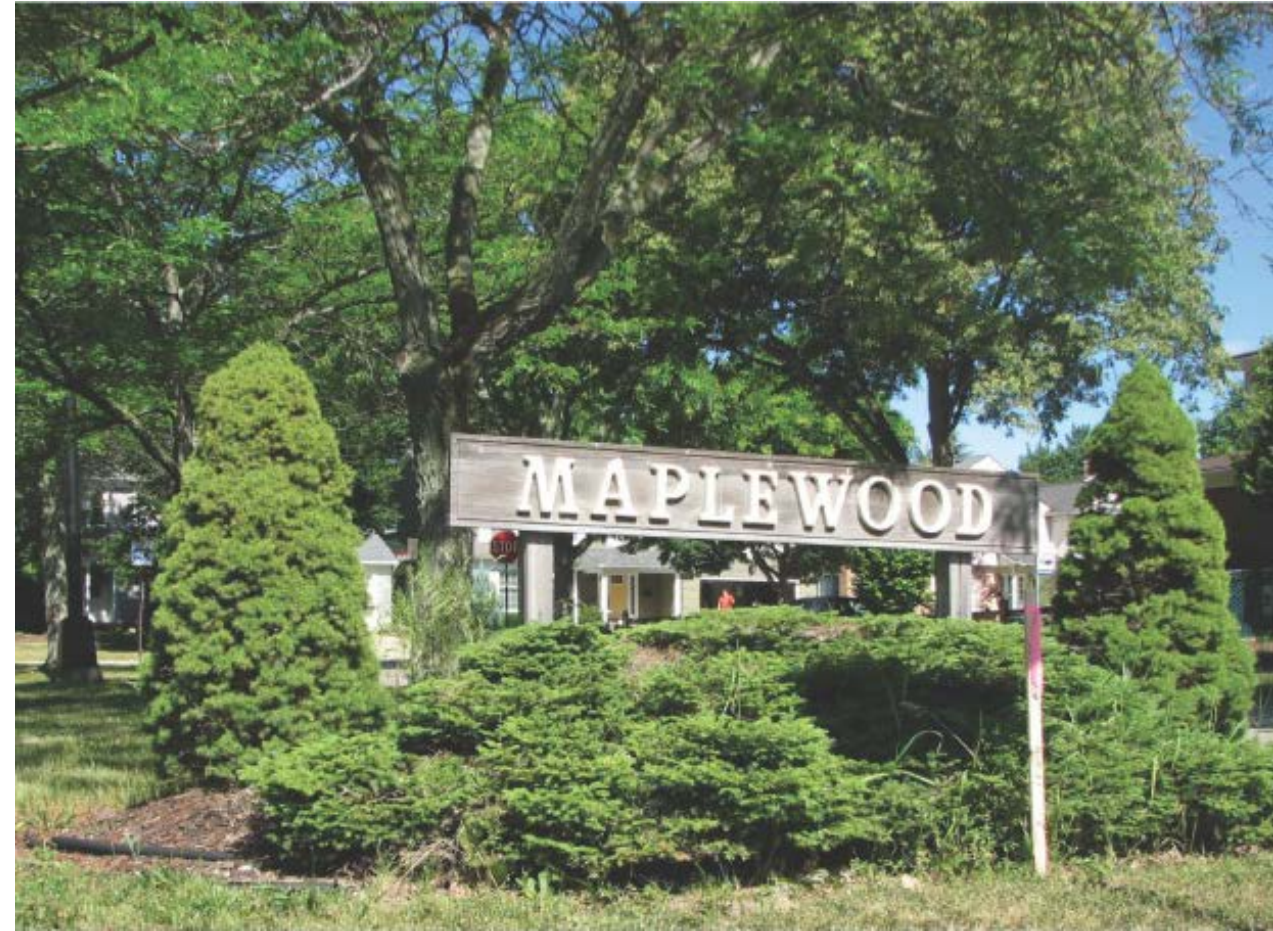
# Things You Drive Around: Chicanes



Example: Virginia Department of Transportation



# Other Devices: Neighborhood Gateway Treatment



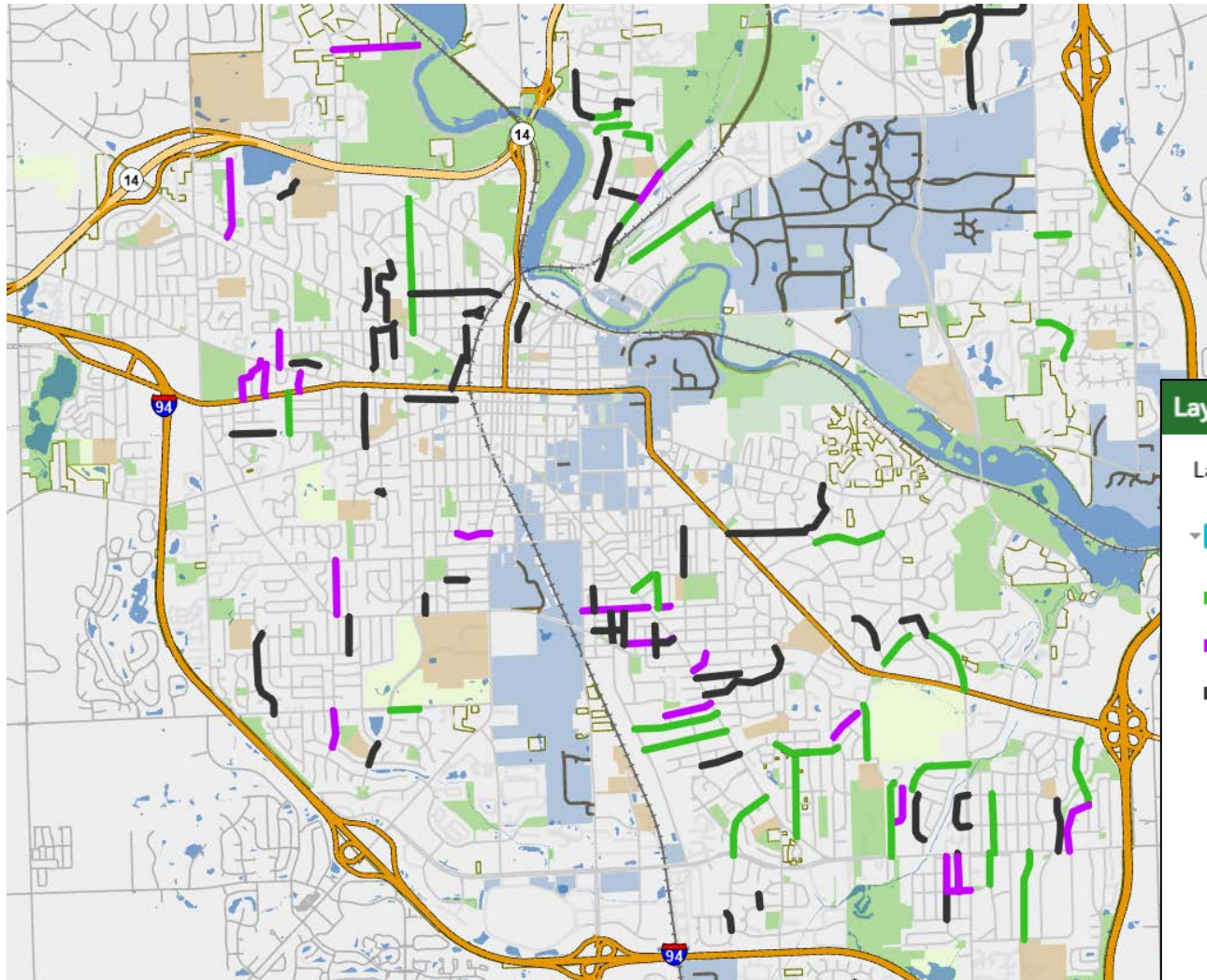
# Questions?

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# 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 - February 16, 2023



## Starter Idea - Granger Ave. (Forest Ave. to Olivia Ave.)



**DEVICE #1**  
**CURB EXTENSION**

EXISTING  
STREET LIGHT

S FOREST AVE

EXISTING FIRE  
HYDRANT

EXISTING  
STREET LIGHT

OLIVIA AVE

**DEVICE #3**  
**CURB EXTENSION**

GRANGER AVE

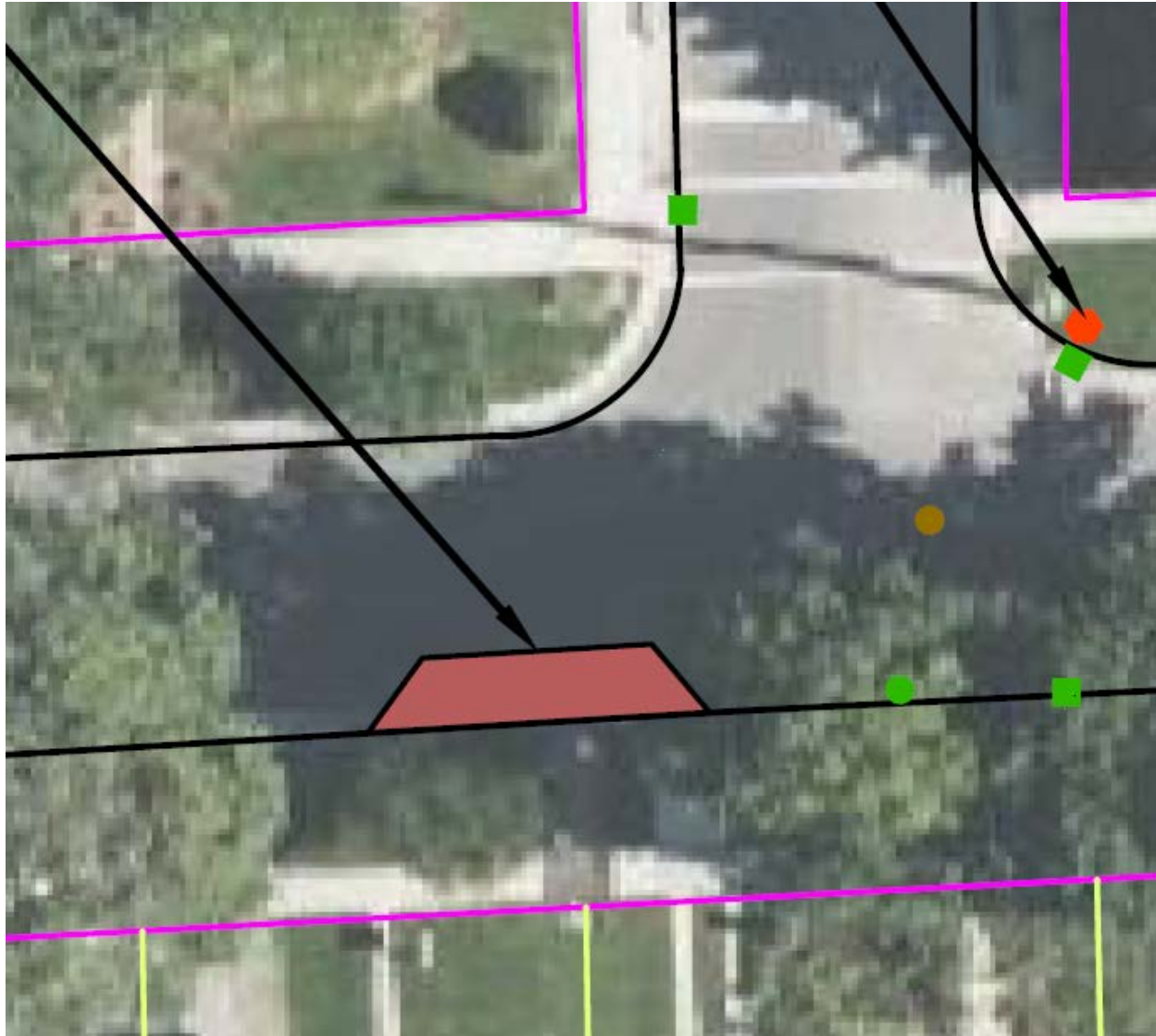
**DEVICE #2**  
**SPEED HUMPS**

**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



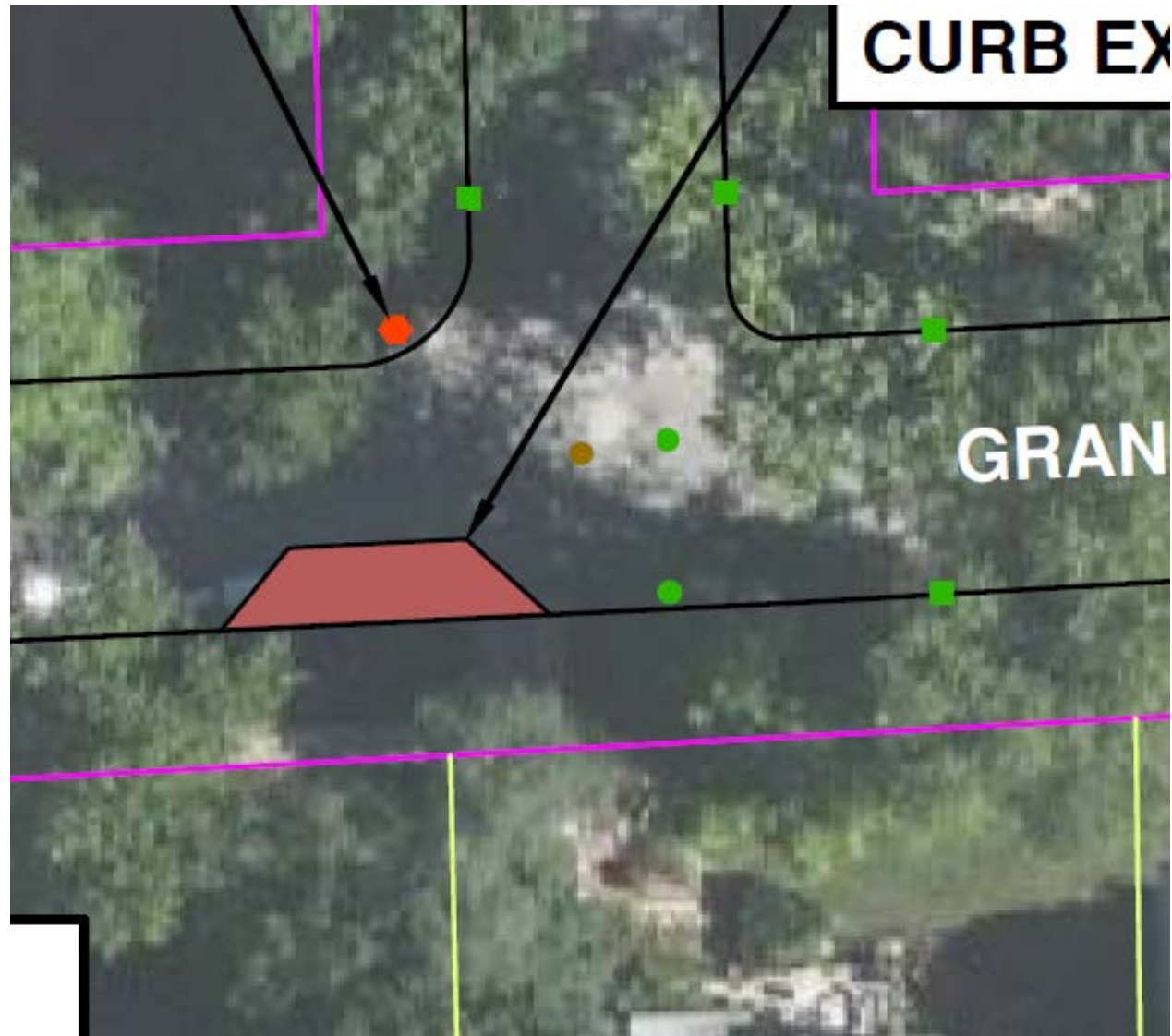
# Device #1: Curb Extension



## Device #2: Speed Hump



# Device #3: Curb Extension



# Polling

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# City of Ann Arbor Traffic Calming Program - February 16, 2023

## Starter Idea - Granger Ave. (Forest Ave. to Olivia Ave.)



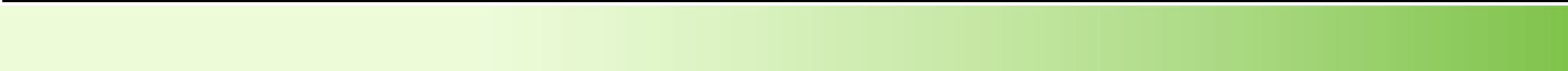
EXISTING STREET LIGHT

**DEVICE #3  
CURB EXTENSION**

**DEVICE #2  
SPEED HUMP**

**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 - February 16, 2023

## Starter Idea - Granger Ave. (Forest Ave. to Olivia Ave.)



**DEVICE #1**  
CURB EXTENSION

EXISTING  
STREET LIGHT

S FOREST AVE

EXISTING FIRE  
HYDRANT

EXISTING  
STREET LIGHT

OLIVIA AVE

**DEVICE #3**  
CURB EXTENSION

GRANGER AVE

**DEVICE #2**  
SPEED HUMP

**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 - February 16, 2023

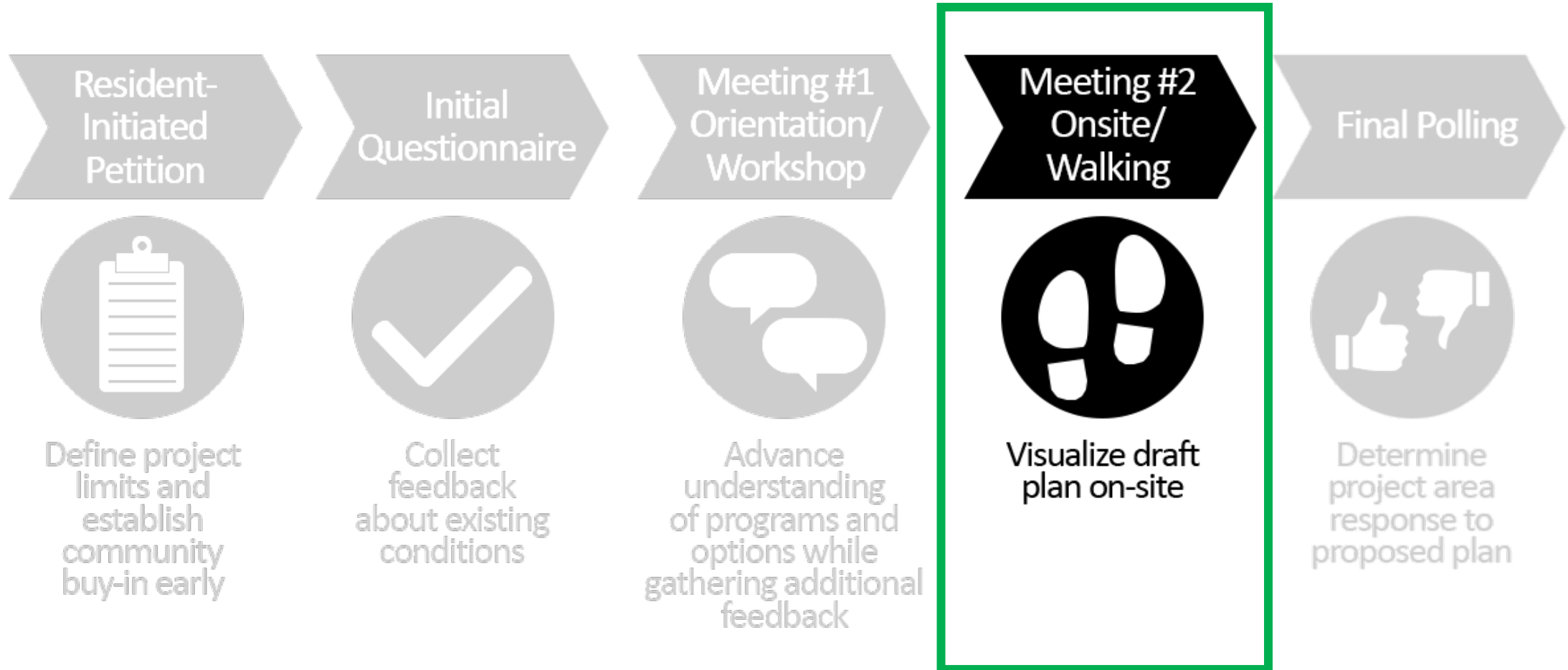
## Starter Idea - Granger Ave. (Forest Ave. to Olivia Ave.)



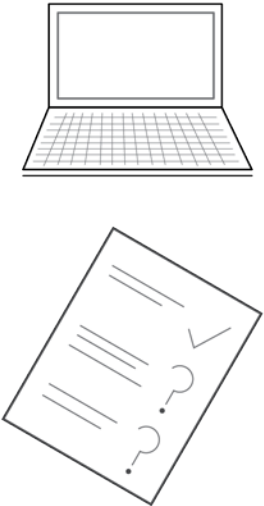
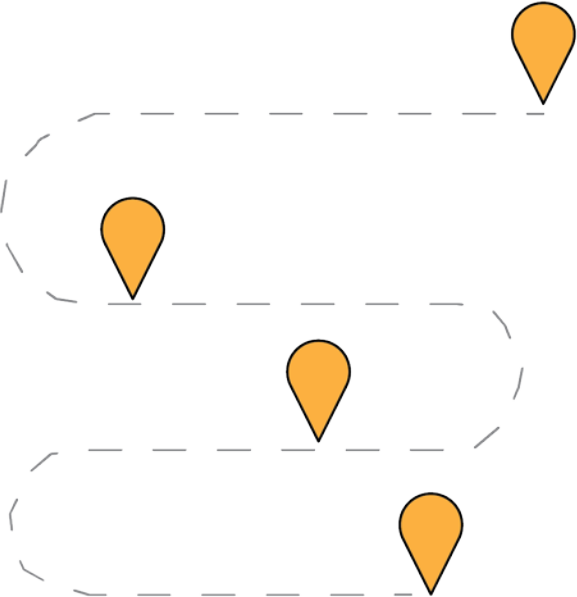
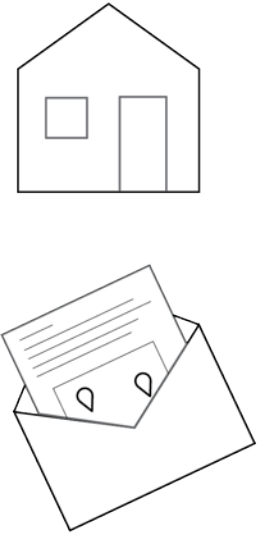
**LEGEND**

- 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

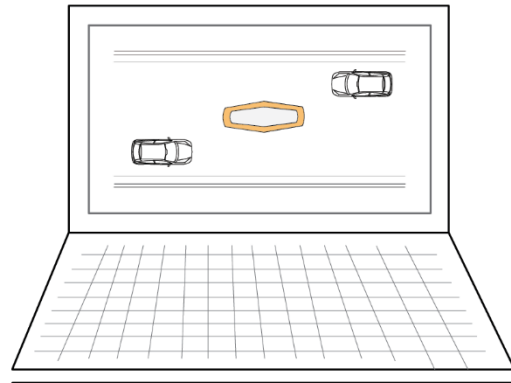


Review mailing packet

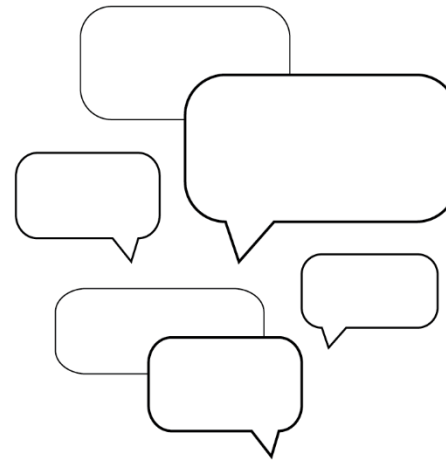
Visit locations

Bring questions to electronic meeting

# Meeting #2

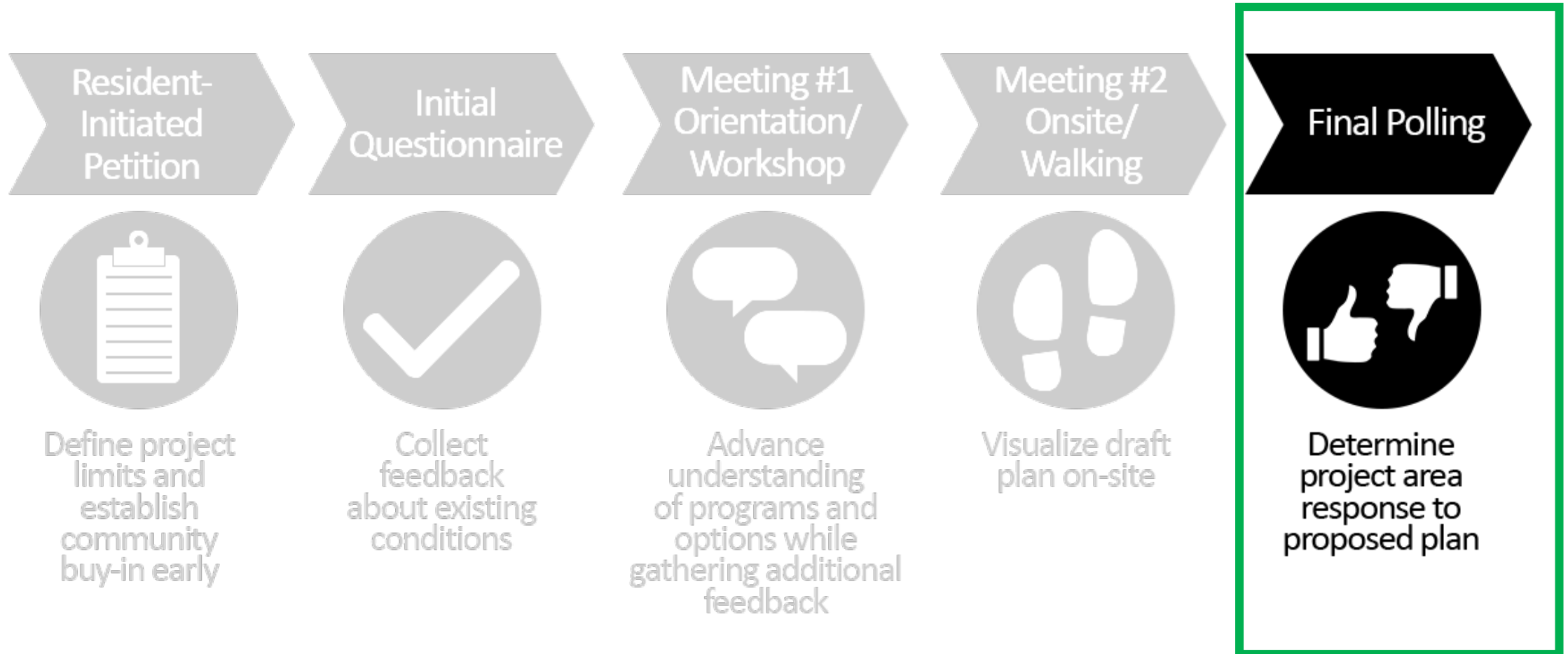


Present preliminary  
draft plan



Discussion and feedback about each  
device type and location

# Step 5: Final Polling





# Final Polling

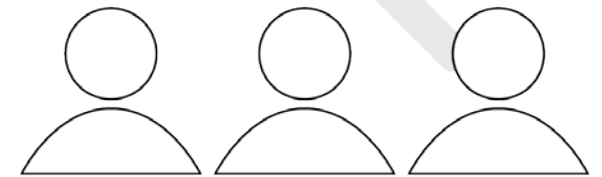


homeowners, renters +  
landlords polled



> 50%

minimum response  
support required



City Council final  
approval

# Next Steps

## Date

April 12	Meeting #2 from 6:00 pm – 7:30 pm
May 17	Final Polling Card will be mailed to project area addresses
June 5	Deadline to electronically complete or postmark final polls
June	Transportation Commission meeting requesting support
July	City Council meeting for final approval

# Thank you!



**Phone: 313-831-7606**



**Email: [kthullen@wadetrim.com](mailto:kthullen@wadetrim.com)**



**Project Website: [a2gov.org/TCGrangerFO](http://a2gov.org/TCGrangerFO)**