WELCOME!

The Worden 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/TCWordenJD

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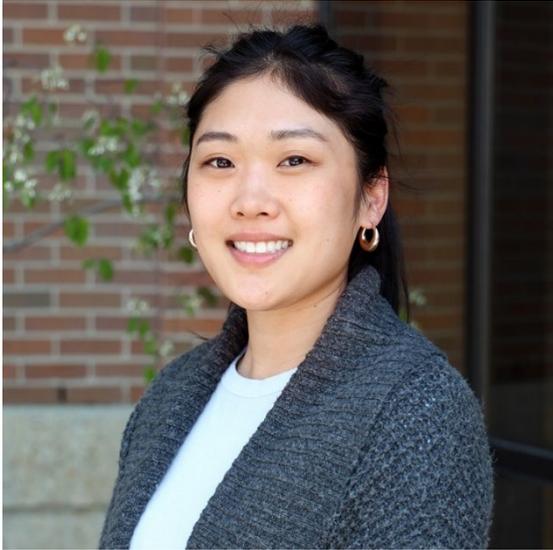
Kristy Thullen, EIT
(she/her)
Wade Trim
Consultant Engagement
Coordinator
EIT: Engineer-in-Training

Jackson "JD" Danner, EIT
(he/him)
Wade Trim
Consultant Engagement
Coordinator
EIT: 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

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

Cynthia Redinger, PE, PTOE, RSP (she/her)
City of Ann Arbor
Transportation Engineer
PE: Professional Engineer
PTOE: Professional Traffic Operations Engineer
RSP: Road Safety Professional

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.
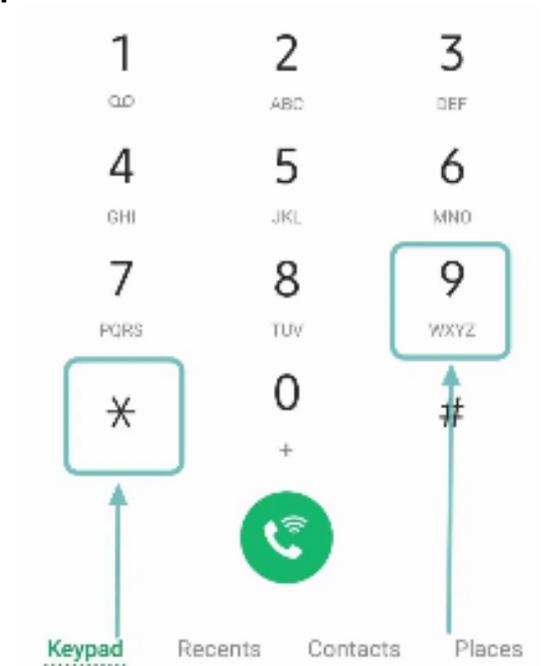
<u>**Computer**</u>

- 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**
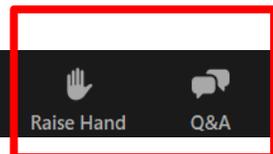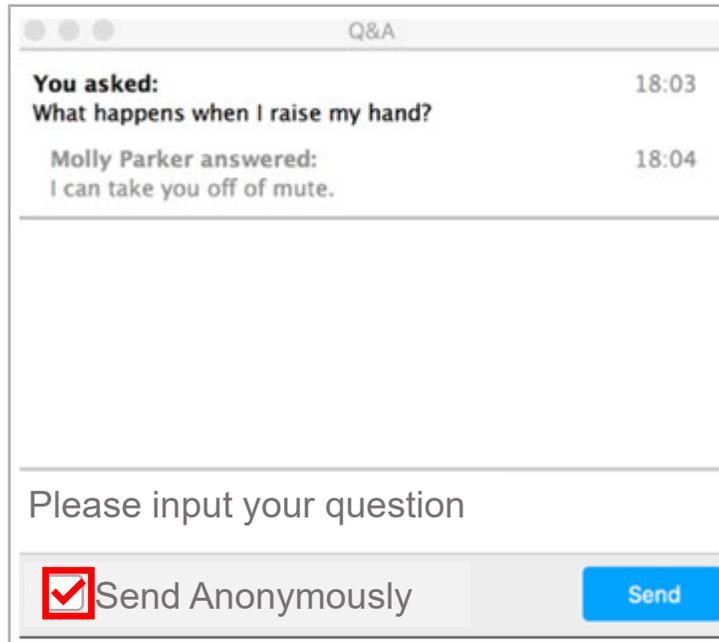
<u>**Phone**</u>

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

Q&A window

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

1 QD | 2 ABC | 3 DEF
4 GHI | 5 JKL | 6 MNO
7 PQRS | 8 TUV | 9 WXYZ
* | 0 + | #
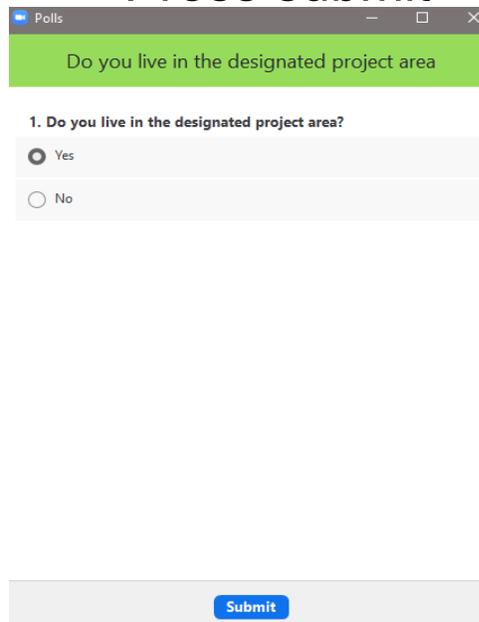Keypad   Recents   Contacts   Places

Technology Overview – Polling

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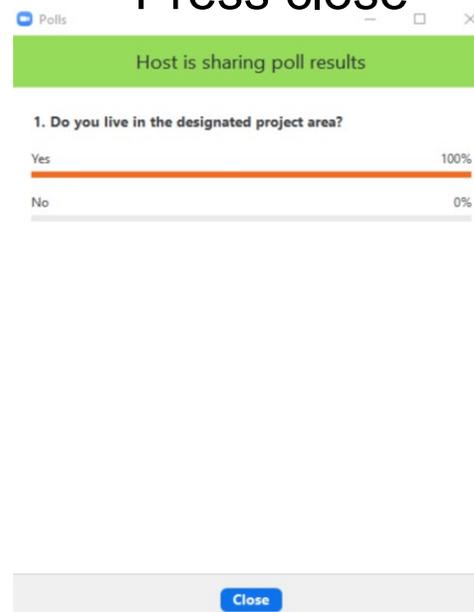
Computer

- 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
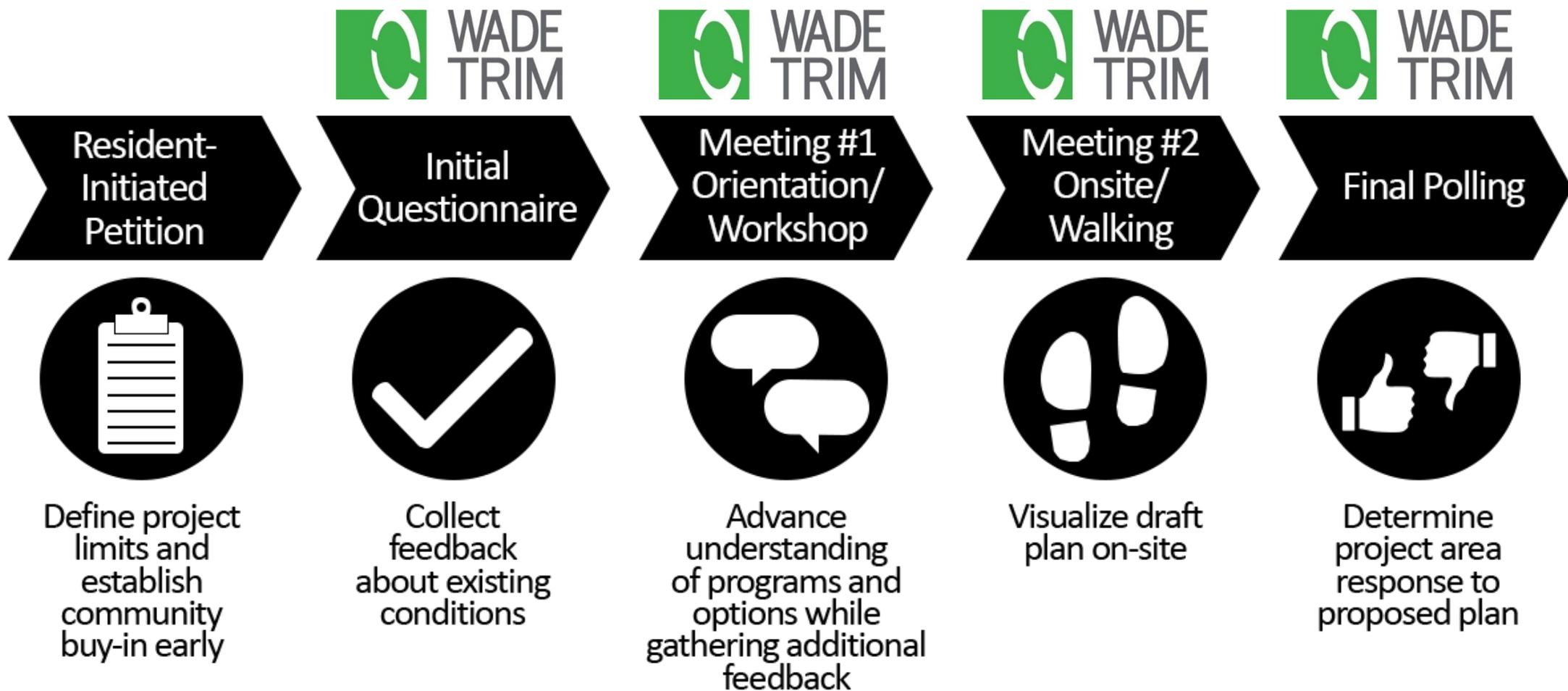
Step 1: Resident-Initiated Petition

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

☑ **88%** representation achieved
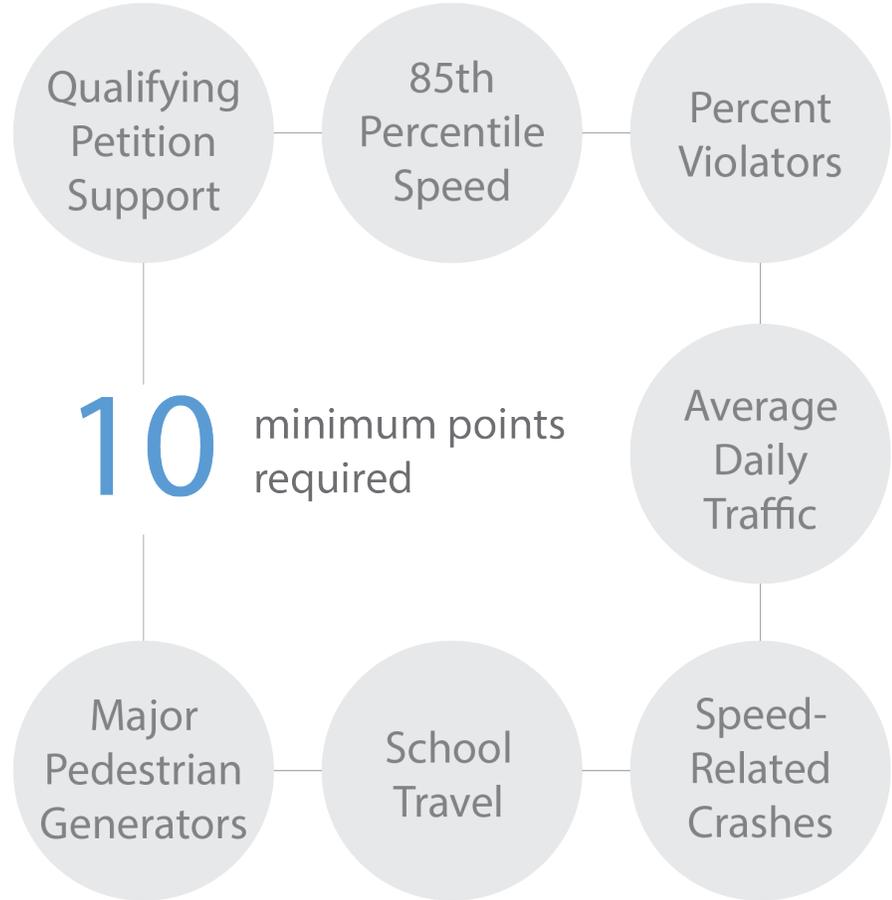
Qualifying Petition Support

85th Percentile Speed

Percent Violators

Average Daily Traffic

Speed-Related Crashes

School Travel

Major Pedestrian Generators

10 minimum points required

☑ **28**pts earned

Step 2: Initial Questionnaire
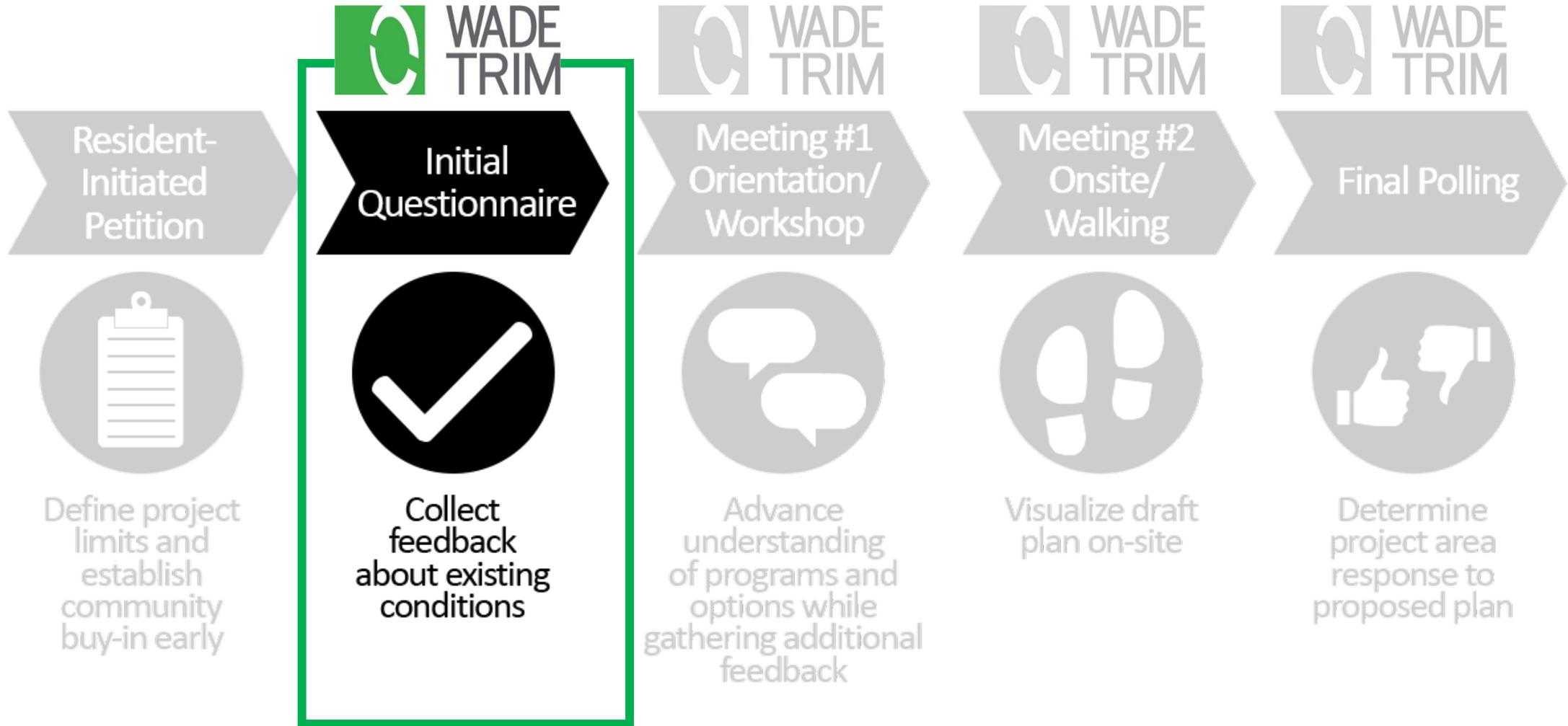
Initial Questionnaire Results
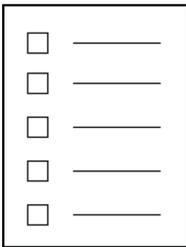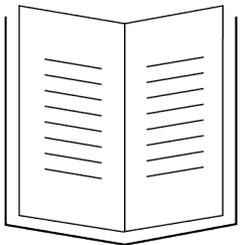
Initial Questionnaire Package

50%
minimum response
support required

100%
response support received
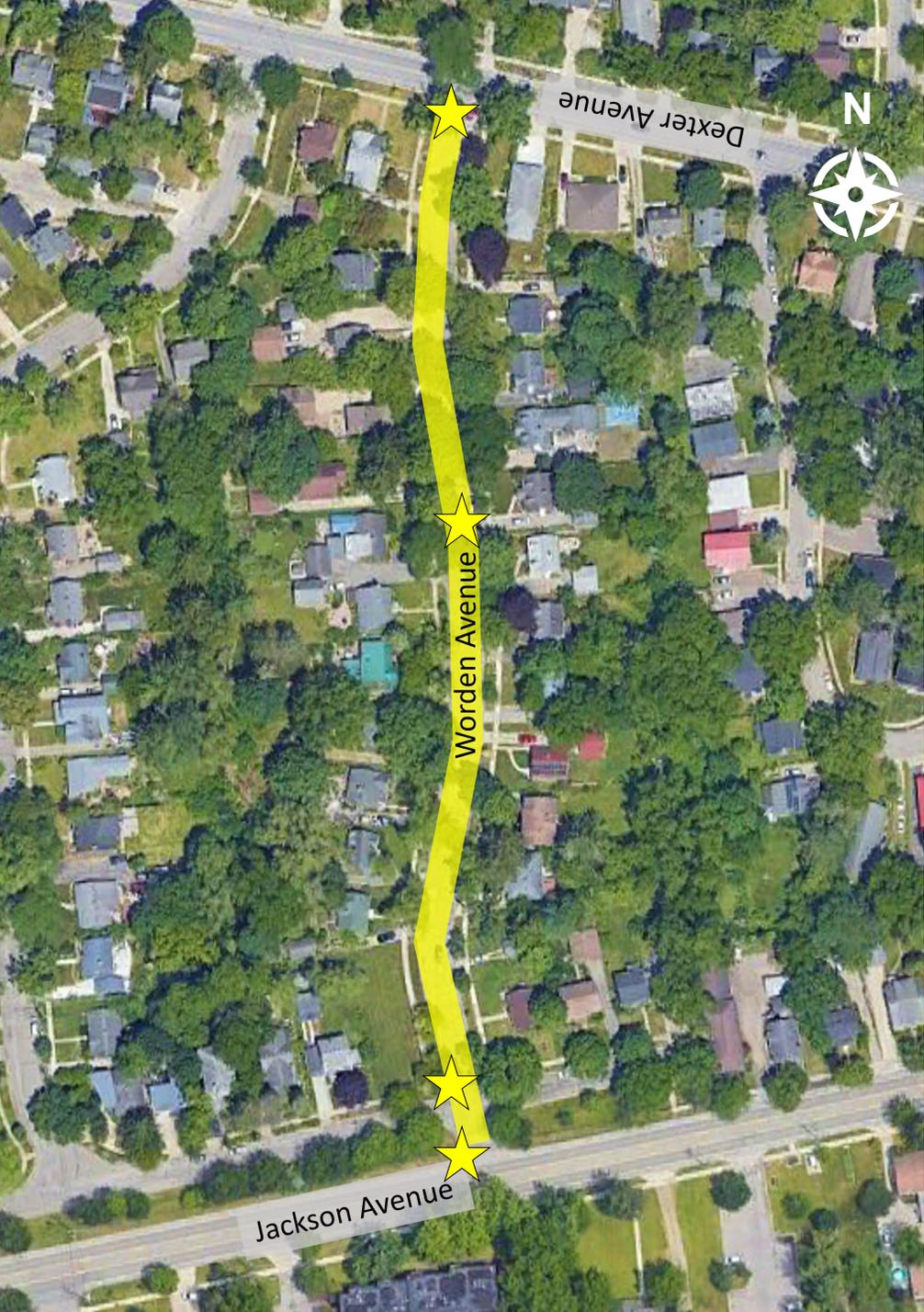
Initial Questionnaire Summary

Detailed summary at a2gov.org/TCWordenJD

- Speeding

- Cut-through traffic

- Sight distance due to horizontal and vertical curves

- Grandview traffic calming impacting Worden traffic

- Lack of crosswalks at bus stops

- 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
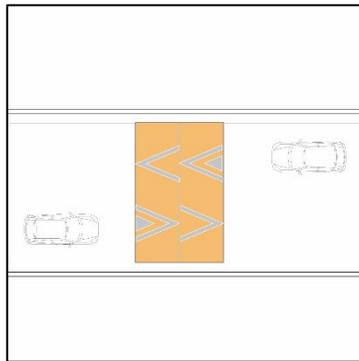
Orientation: Device Toolbox
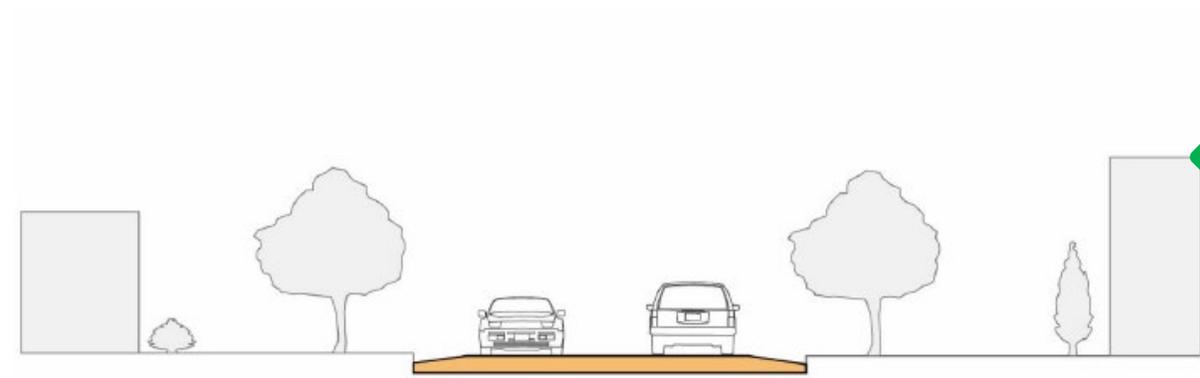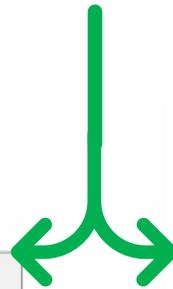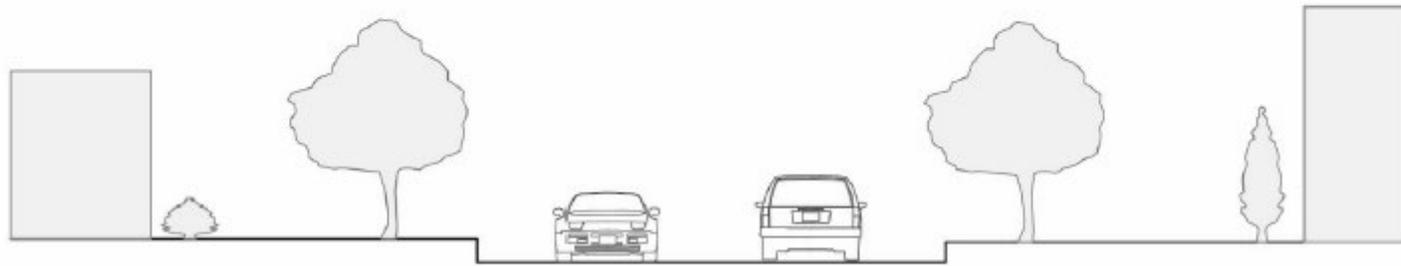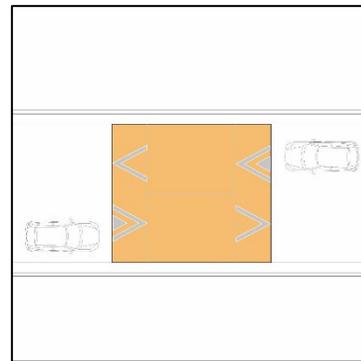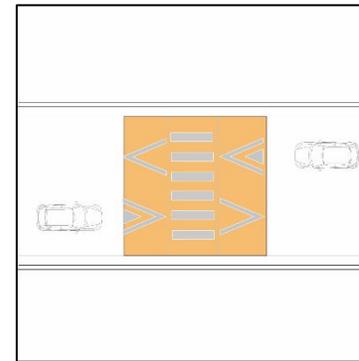

things you drive over
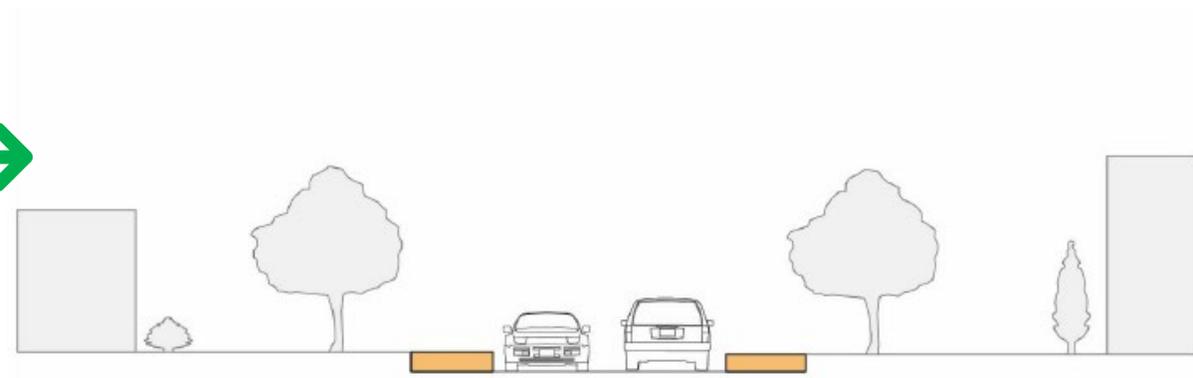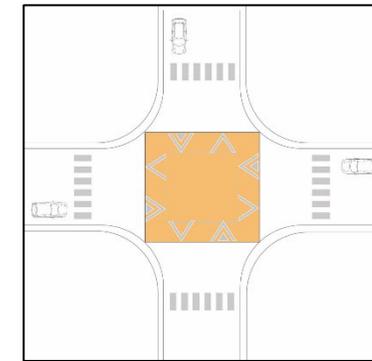
things you drive around

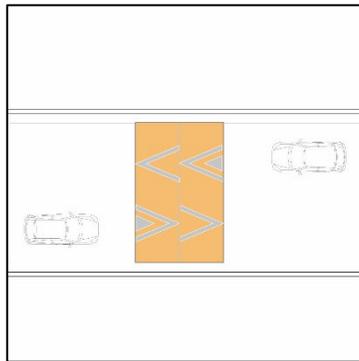# Orientation: Device Toolbox

things you drive over

Speed Hump

Speed Table

Raised Crosswalk

Raised Intersection
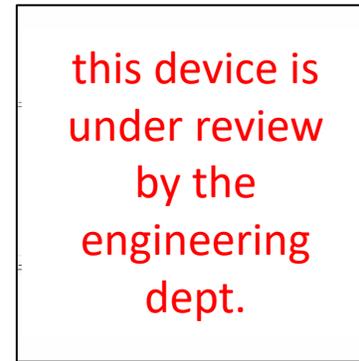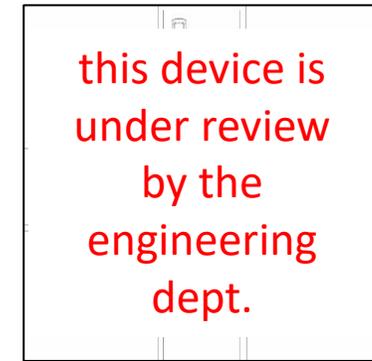
Orientation: Device Toolbox

things you drive over
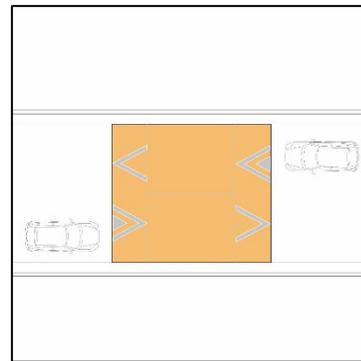
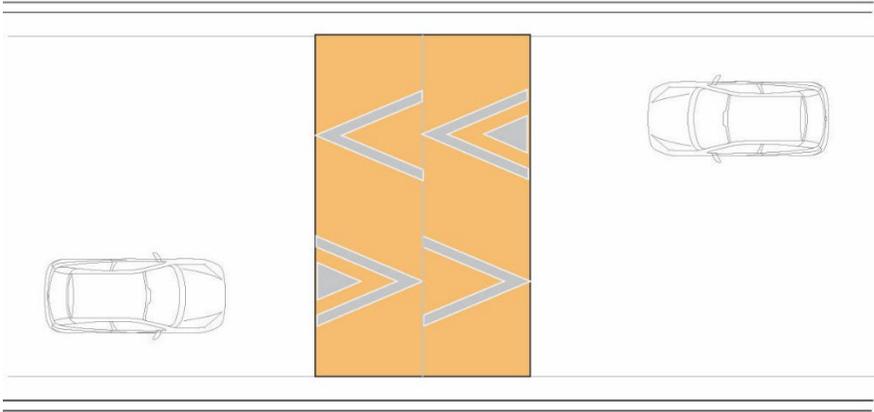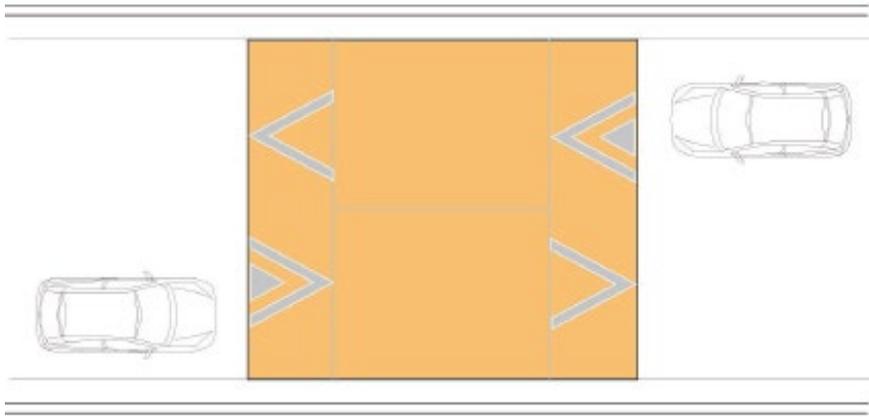| Speed Hump	Speed Table	Raised Crosswalk	Raised Intersection
		this device is under review by the engineering dept.	this device is under review by the engineering dept.

Things You Drive Over: Speed Humps
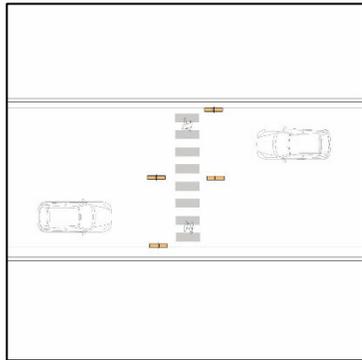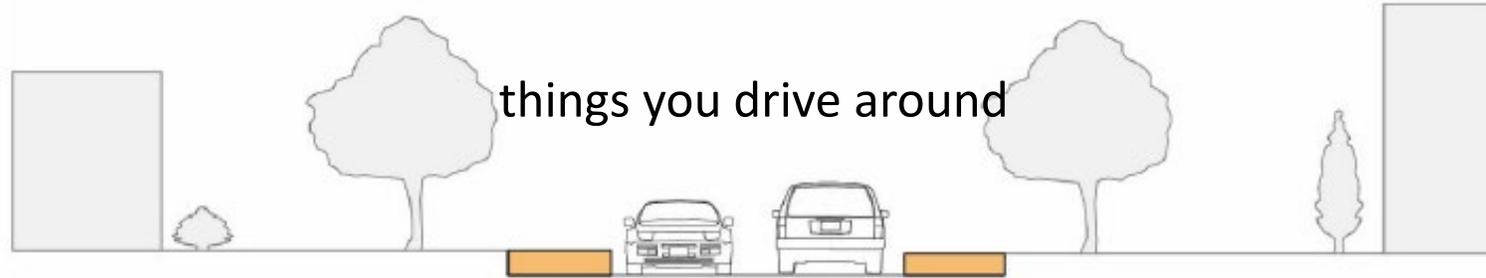

Example: Wells Street

Things You Drive Over: Speed Tables
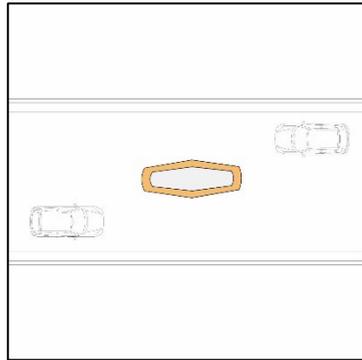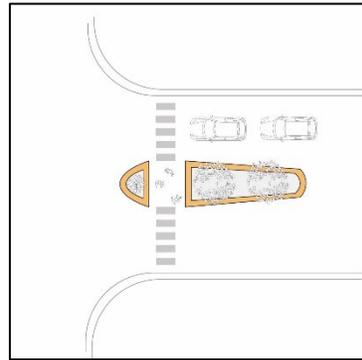

Example: Glenwood Road

Questions?

Orientation: Device Toolbox
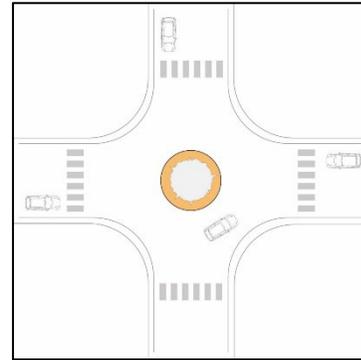

things you drive around

Pedestrian Gateway

Median Island

Pedestrian Island

Residential Traffic Circle

Mini Roundabout
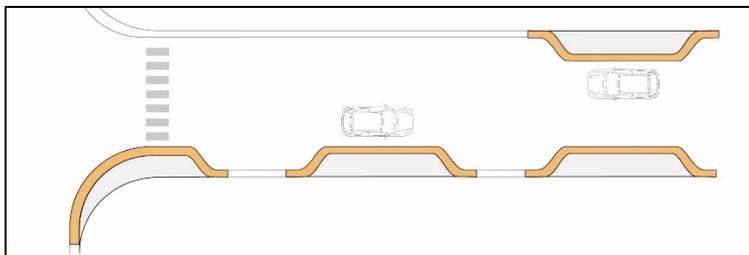
Curb Extensions
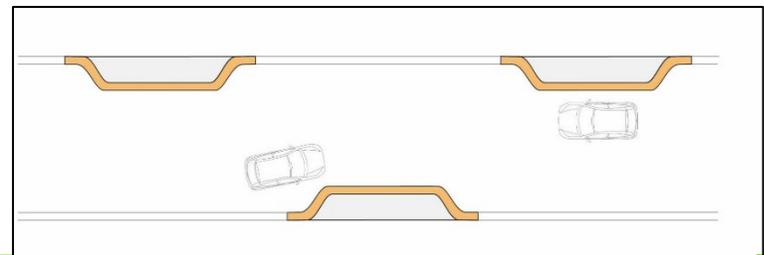
Chicanes

Orientation: Device Toolbox

things you drive around

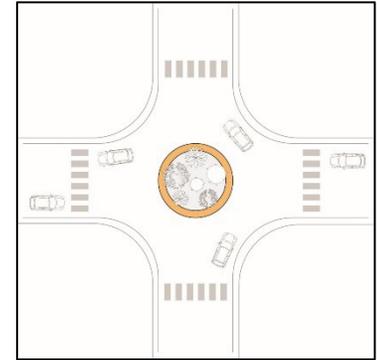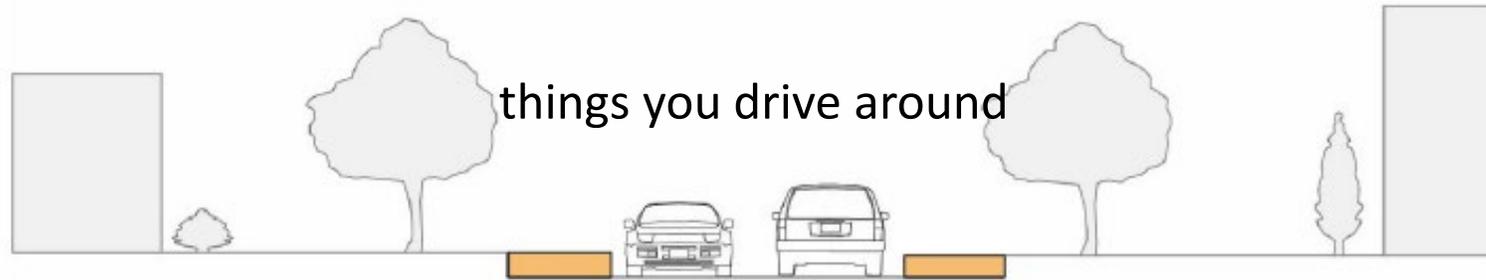| street not wide enough for emergency vehicle clearance	street not wide enough for emergency vehicle clearance	street not wide enough for emergency vehicle clearance	street not wide enough for emergency vehicle clearance	street not wide enough for emergency vehicle clearance
Pedestrian Gateway	Median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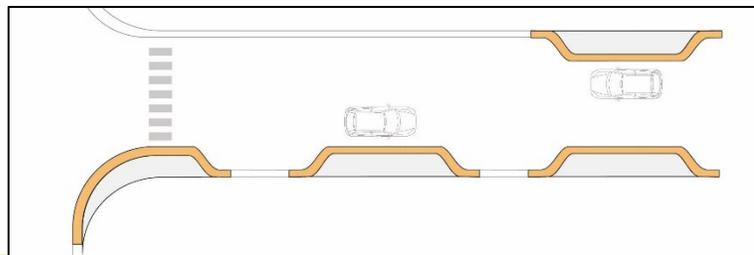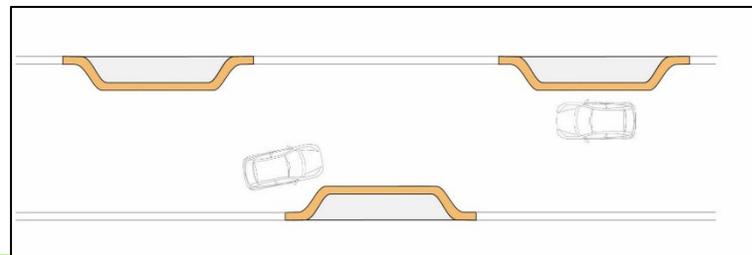
Curb Extensions

Chicanes

Things You Drive Around: Curb Extensions

Choker

Midblock
Bump Out

Curb
Bump Out
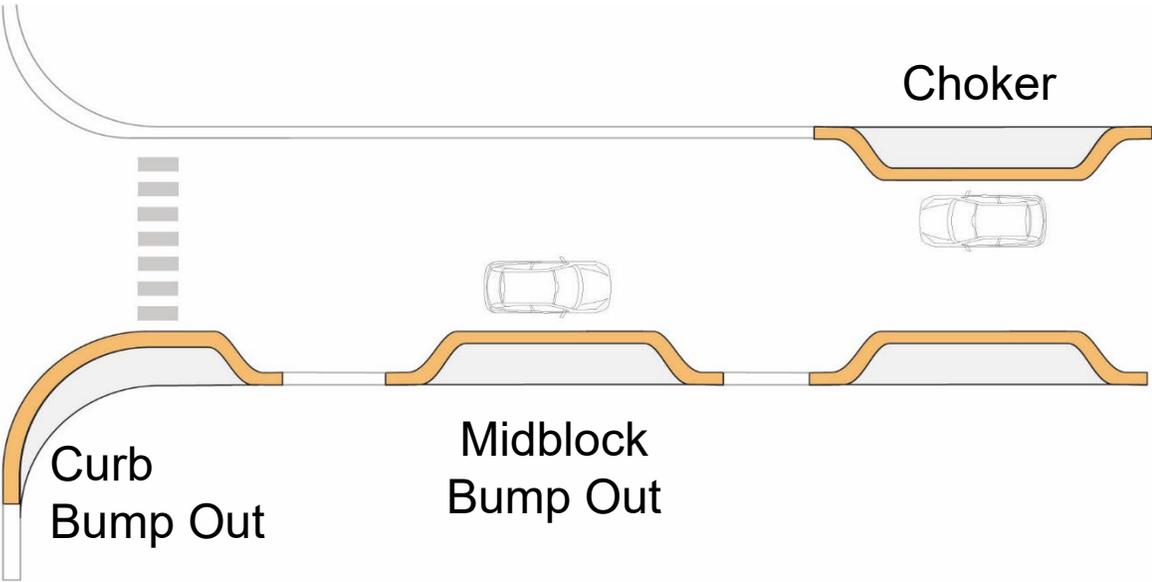
Example: Granger Avenue Bump Out

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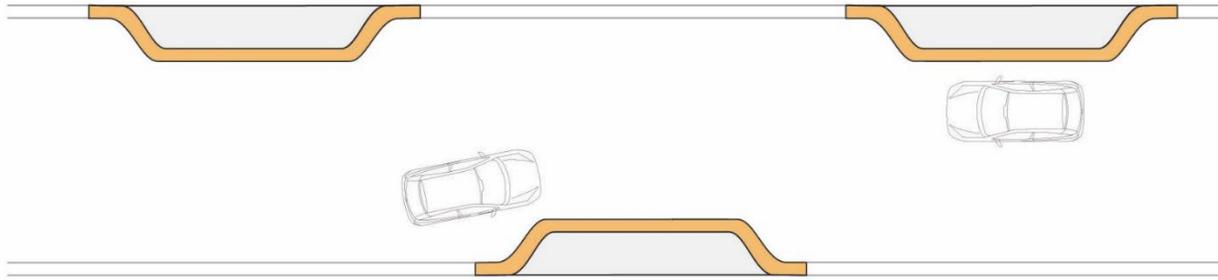
Example: Virginia Department of Transportation

Other Devices: Neighborhood Gateway Treatment

Questions?

Ann Arbor Traffic Calming Projects

Interactive map online: a2gov.org/TrafficCalming
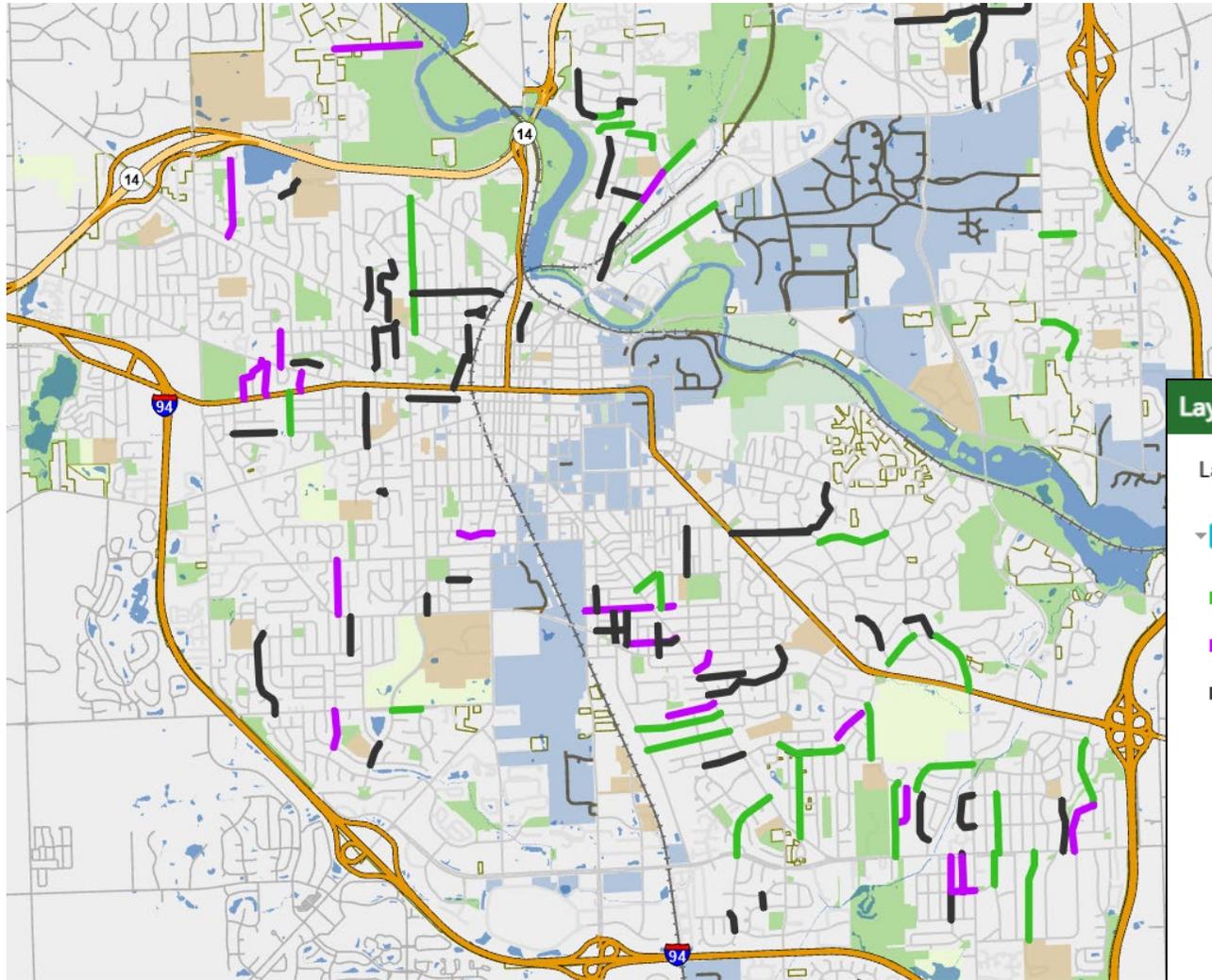
Layer List

Layers

▼ ☑ Traffic Calming Efforts

- **Constructed** (green)
- **In Progress** (magenta)
- **Not Qualified** (black)

Feedback Exercise
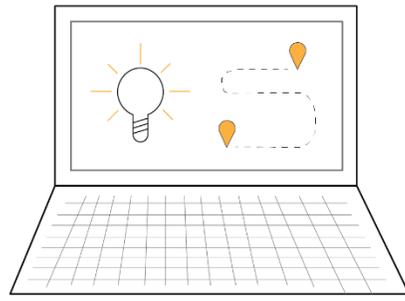
Present Starter Idea
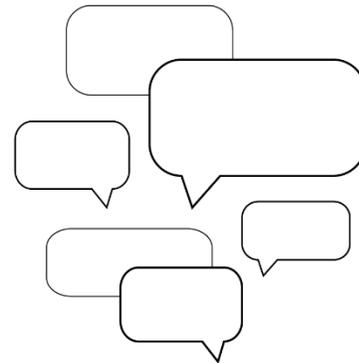
Discussion and feedback about each device type and location

City of Ann Arbor Traffic Calming Program - March 7, 2024

Starter Idea - Worden Avenue (Jackson Avenue - Dexter Avenue)

DEVICE #2
SPEED HUMP

DEVICE #1
SPEED HUMP

EXISTING FIRE
HYDRANT

EXISTING
STREET LIGHT

EXISTING
STREET LIGHT

EXISTING
STREET LIGHT

360 FEET
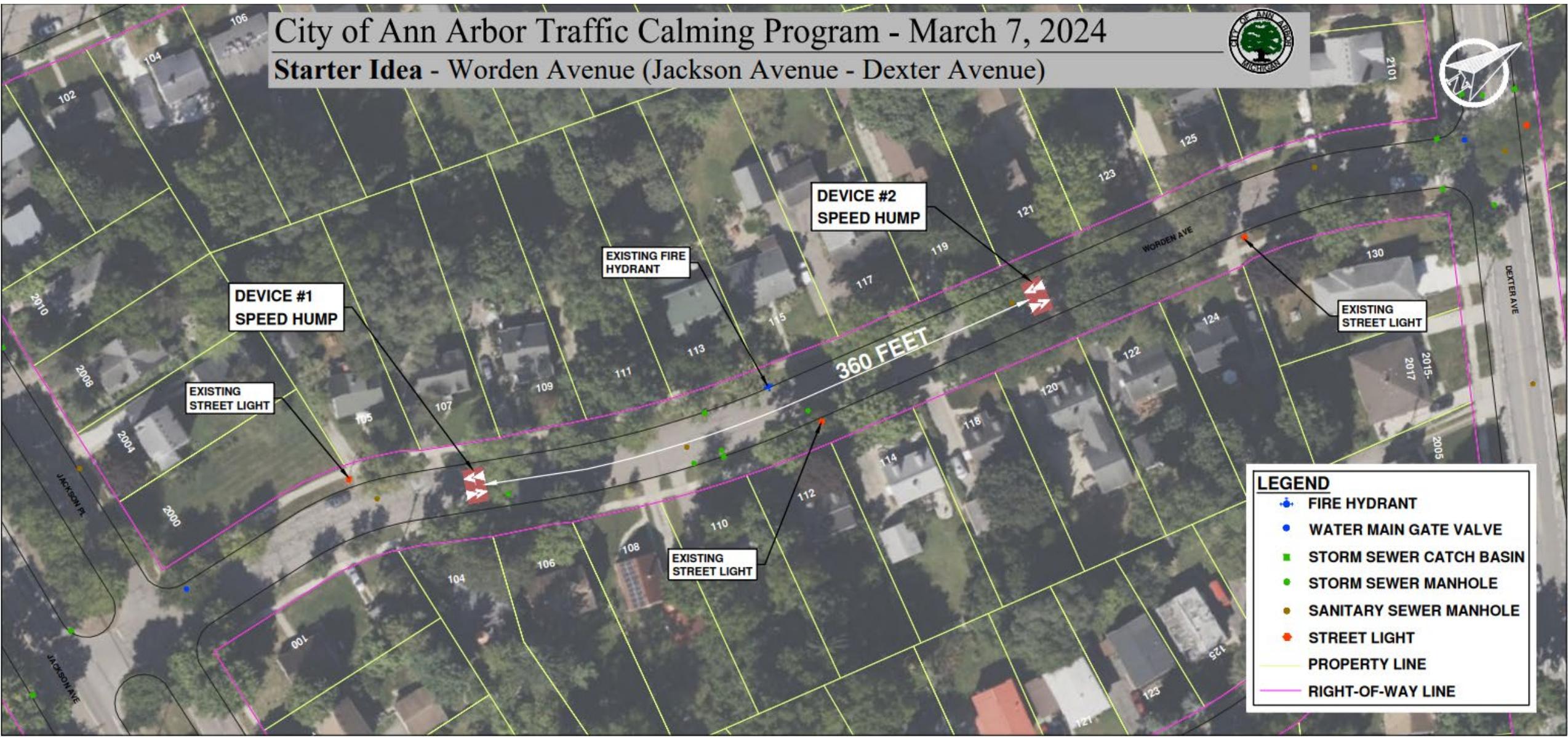
LEGEND

- 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

Polling

City of Ann Arbor Traffic Calming Program - March 7, 2024
Starter Idea - Worden Avenue (Jackson Avenue - Dexter Avenue)

DEVICE #2
SPEED HUMP

EXISTING FIRE
HYDRANT

DEVICE #1
SPEED HUMP

EXISTING
STREET LIGHT

EXISTING
STREET LIGHT

EXISTING
STREET LIGHT

360 FEET

LEGEND
- FIRE HYDRANT
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City of Ann Arbor Traffic Calming Program - March 7, 2024

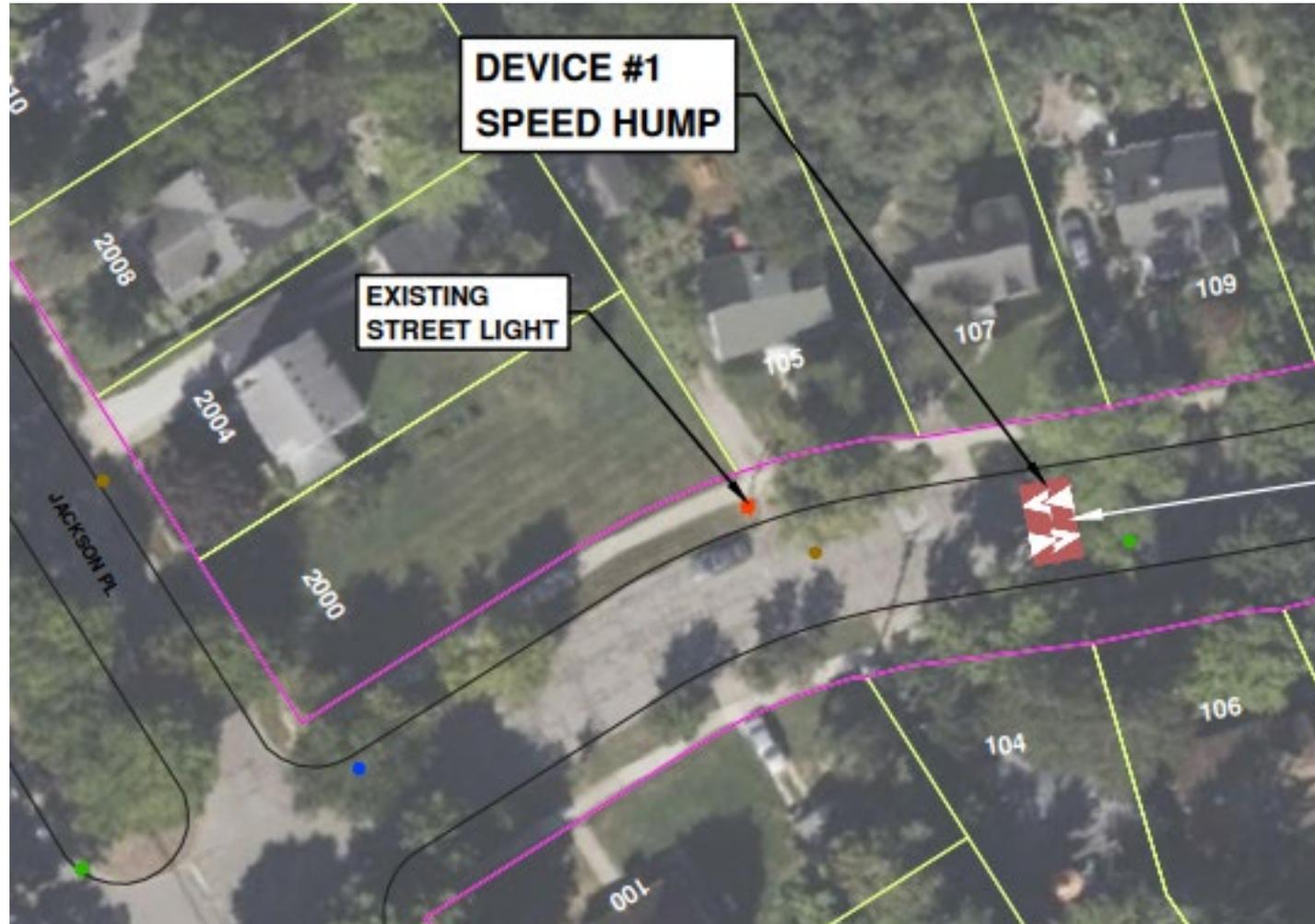**Starter Idea** - Worden Avenue (Jackson Avenue - Dexter Avenue)

DEVICE #2
SPEED HUMP

DEVICE #1
SPEED HUMP

EXISTING FIRE
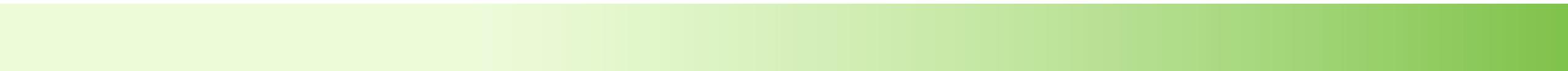HYDRANT

EXISTING
STREET LIGHT

EXISTING
STREET LIGHT

EXISTING
STREET LIGHT

360 FEET

WORDEN AVE

DEXTER AVE

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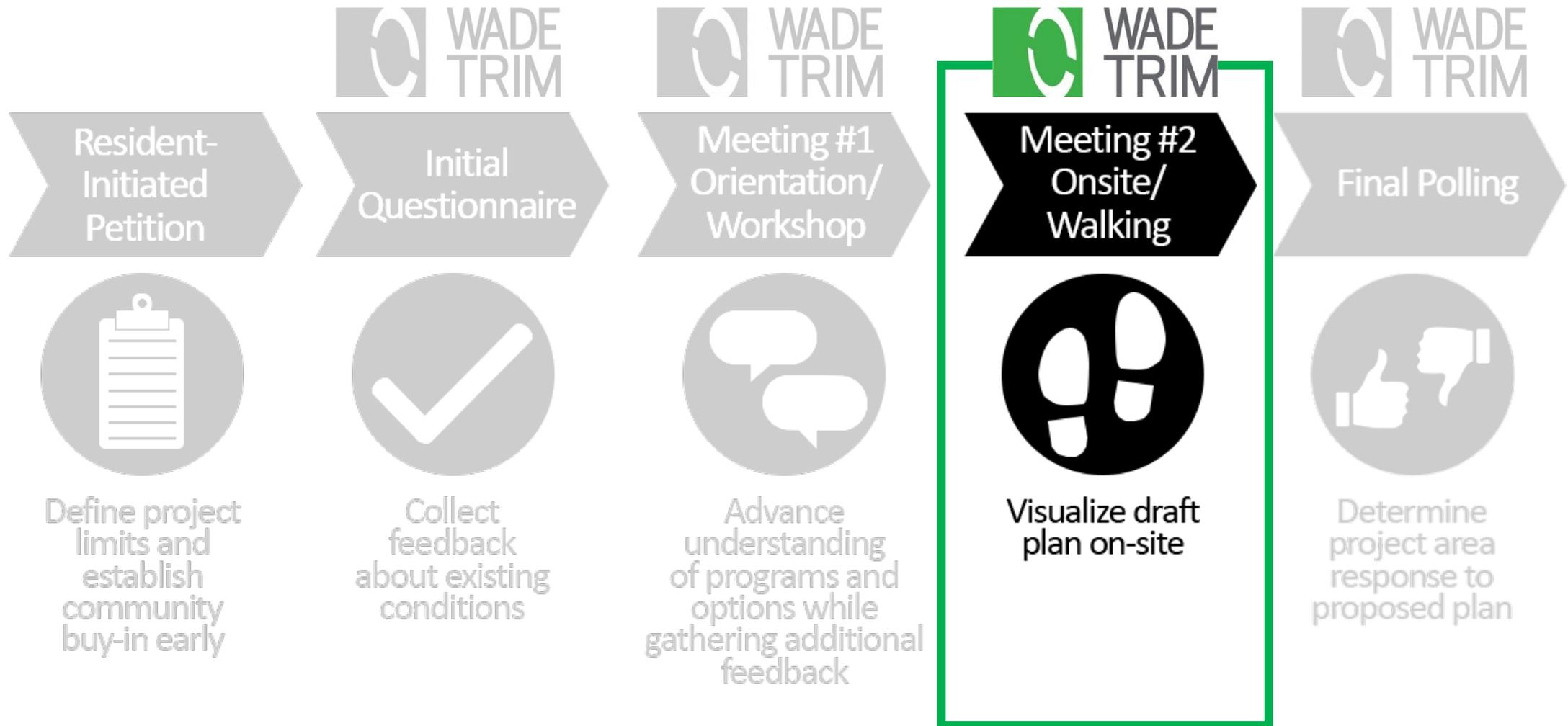- PROPERTY LINE
- RIGHT-OF-WAY LINE

Step 4: Self-Guided Tour/Meeting #2

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

Self-Guided Tour

Review mailing packet

Visit locations

Bring questions to electronic meeting

Meeting #2

Present preliminary draft plan
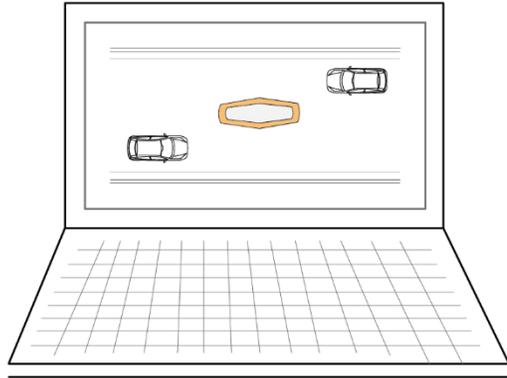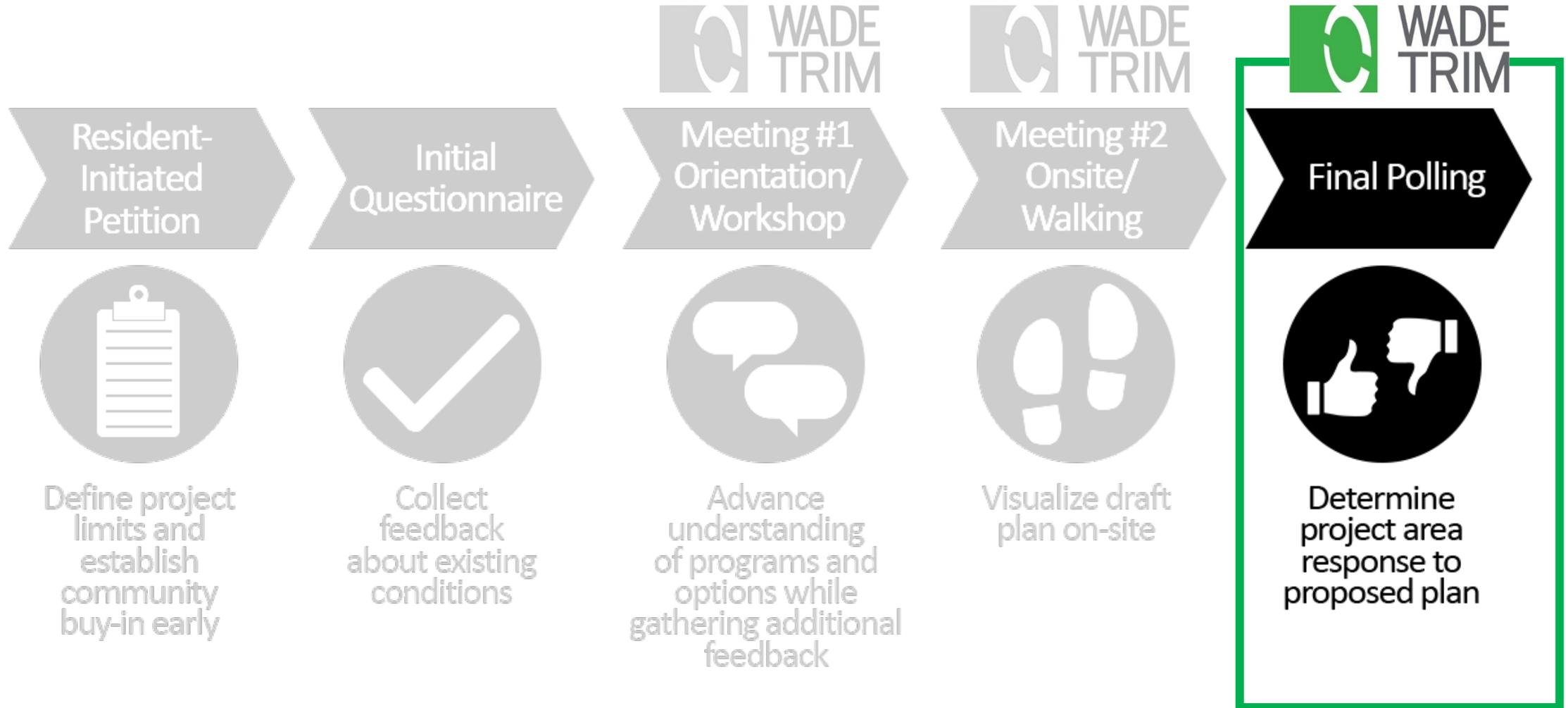
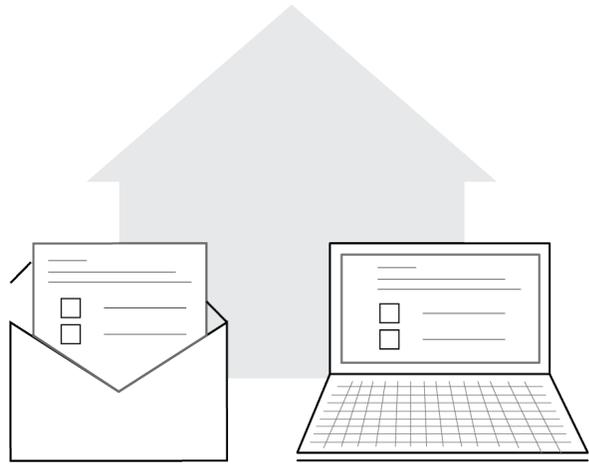Discussion and feedback about each device type and location

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
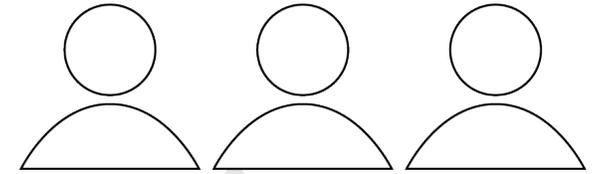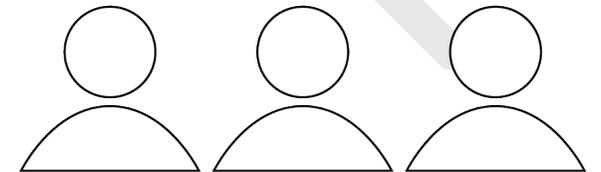

homeowners, renters +
landlords polled

>50%

minimum response
support required

Transportation Commission
recommendation

+

City Council final
approval

Next Steps

Date

June 5	Meeting #2 from 6:00 pm – 7:30 pm
June 26	Final Polling Card will be mailed to project area addresses
July 29	Deadline to electronically complete or postmark final polls
August/September	Transportation Commission meeting requesting support
August/September	City Council meeting for final approval

Thank you!

Phone: 313-831-7606

Email: kthullen@wadetrim.com

Project Website: a2gov.org/TCWordenJD