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# University Drive Traffic Calming and Public Safety Improvements

City Council Work Session

September 25, 2018





## Tonight's Agenda

- Discuss Project Background
- Reintroduce Project Goals
- Recap Public Outreach
- Discuss Ballot Results
- Staff Recommendations
- Next Steps
- Council Discussion

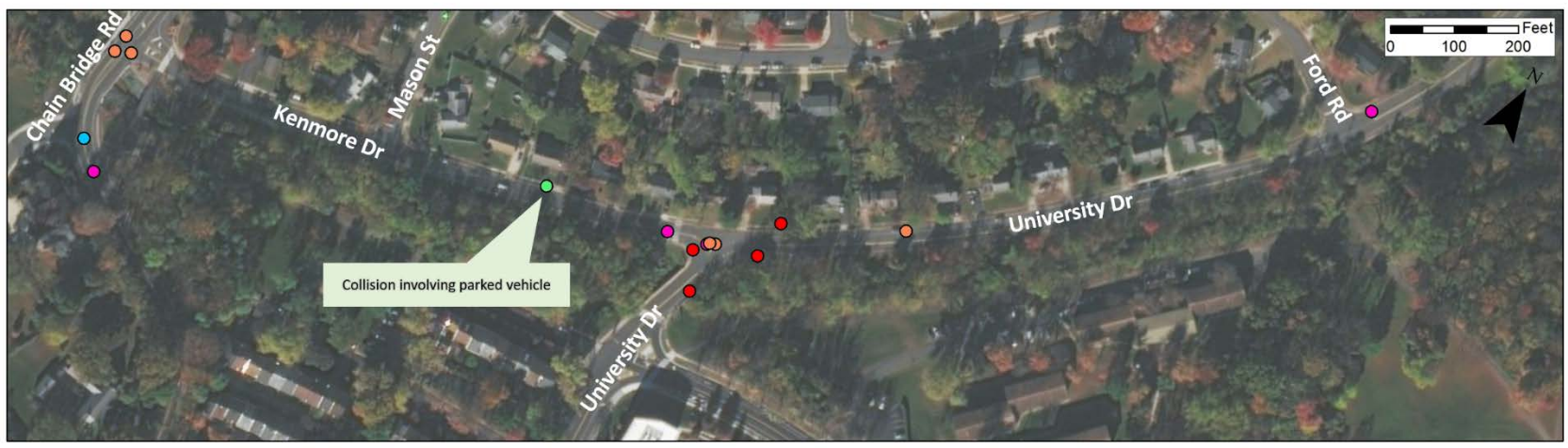
## Project Background (continued)

- Concerns about current conditions and impacts of the new street:
  - Traffic through the neighborhood
  - Speeding
  - Parked cars (specifically mirrors) being hit by passing cars
  - Crossing safely at intersections and midblock
- Request: Address the potential future impacts with neighborhood traffic calming measures

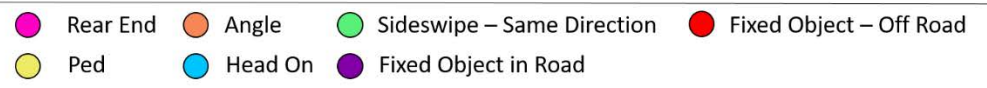




# Three-Year Crash History



**University Drive**  
Crash Analysis (January 1, 2014 – June 30, 2017)



- 58 reported crashes
- Of crashes that could be avoided or mitigated by traffic calming
  - 8 crashes (13%) involved cars traveling above the speed limit
  - 7 crashes (12%) involved parked vehicles
  - 1 crash involved a pedestrian
- Does not included near misses and unreported crashes



# Actions Already Taken

- Advance warning signs to alert vehicles of pedestrian crossing locations
- Mid-crosswalk signs on University Drive at Stratford to increase visibility of crossing location
- New stop sign on southbound University Drive at Stratford





## Project Goals

- Develop concepts that will improve safety and calm traffic along University Drive between Kenmore Drive and Fairfax Boulevard
- Present a menu of feasible options to the community
- Use community feedback to identify preferred calming measures
- Implement traffic calming improvements



## Recap of Improvement Options

- Intersection Treatments
  - Curb Modifications or Extensions/Bulb-Outs
  - New Crosswalks
- Corridor Treatments
  - Mid-Block Bulb-Outs
  - Community Signage
  - On-Street Parking
- Additional Pedestrian Enhancements
  - Construct missing link of sidewalk
  - Widen substandard driveway aprons
  - Enhance lighting





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# Intersection Treatments



# Curb Extensions/Bulb-Out (Stratford Avenue)

Existing



With Curb Extensions



- Narrows pedestrian crossing distance
- Reduces through traffic speeds by 1 to 3 mph





# New Crosswalk (Jean Street)

Existing



With Crosswalk



- Relocates midblock crossing to be located just north of Jean Street intersection



# Curb Extension/Bulb-Out (Ford Road)

Existing



With Curb Extension/Bulb-Out



- Narrows pedestrian crossing distance
- Reduces through traffic speeds by 1 to 3 mph



# Curb Modification (Kenmore Drive)

Existing



With Curb Modification



- Reduces turning speed
- Signals entry into residential neighborhood





# Corridor Treatments

# Mid-Block Chicanes (Stratford Avenue to Ford Road)

Existing



With Chicane



- Narrows lane when parking is not present
- Reduces through traffic speed (by 3 to 9 mph)



////////////////////  
Delineate On-Street Parking (Ford Road to Wood Road only)

Existing



With Striped Parking



- Narrows lane when parking is not present
- Reduces through traffic speed (by 0.5 mph)



# Community Signage

Examples:



- Signals entry into residential neighborhood
- Reduces through traffic speed (by 2 mph)



# Additional Pedestrian Enhancements



## Construct Missing Link of Sidewalk (Wood Road and Stratford Avenue)

- Existing



- With Sidewalk



- Completes sidewalk on west side of road (fills in a missing gap)
- Improves pedestrian mobility



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# Lighting Improvements

Existing



With Lighting Improvements



- Increases visibility and enhances safety
- Encourages walking with pedestrian-scale lighting



## Widen Substandard Driveway Aprons

- City policy for residential driveways to be 12' wide minimum and 16' wide maximum (for double wide driveways)
- Narrow driveways degrade safety and visibility for vehicles backing out onto University Drive
- 34 driveways along University Drive within study area
  - 21 driveways are less than 12' wide
- Intent would be to upsize driveways that are below the minimum width that would not otherwise be improved during the course of regular street maintenance



# Public Outreach

- In Person: May 8 Work Session and May 21 Public Input Meeting
- Online (project website, Facebook, email follow up)
- Neighborhood notices, postcards, and direct mailing
- Received feedback via in-person ballots, online surveys and direct emails



University Drive Traffic Calming and Pedestrian Improvements

**Project Description**

The City is considering improvements to University Drive to calm traffic and improve pedestrian mobility. A number of options are being considered. For information about the full package of options please visit the city website: [www.fairfaxva.gov/universitycalming](http://www.fairfaxva.gov/universitycalming). One of the proposed improvements is the construction of the missing link of sidewalk on the west side of University Drive between Wood Road and Stratford Avenue (location shown below). Please indicate on the survey below whether you support the construction of the missing link of sidewalk.

(Please cut along dashed line and mail your completed survey in the enclosed pre-paid envelope)

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Address: \_\_\_\_\_

University Drive Sidewalk Survey

I SUPPORT construction of the missing link of sidewalk on the west side of University Drive between Wood Road and Stratford Avenue.

I DO NOT SUPPORT construction of the missing link of sidewalk on the west side of University Drive between Wood Road and Stratford Avenue.

Please explain why you do not support the sidewalk proposal:

\_\_\_\_\_

\_\_\_\_\_

If you would like to comment on the other proposed improvements for University Drive, please complete the on-line survey at [www.fairfaxva.gov/universitycalming](http://www.fairfaxva.gov/universitycalming)

CITY OF FAIRFAX Virginia

Services Residents Businesses Government How Do I...

— Transportation Division

Government » Public Works » Transportation Division » Current Transportation Projects »

University Drive Traffic Calming Project

Wendy Block Sanford  
Transportation Director  
Phone: 703-380-7888  
Email: [wendy.block@fairfaxva.gov](mailto:wendy.block@fairfaxva.gov)

NEWS

Ramp Closures on I-66 at Route 123 Could Affect Local Traffic 9/9-15 9/9/2018

Animal Adoption Event Set for 9/15 If you don't want to wait, visit Town and Country Animal Hospital to adopt an animal today! 9/9/2018

TURN AROUND - DON'T

**Public Input Meeting**  
**University Drive Traffic Calming Project**

WHEN: Monday, May 21, 7 p.m.  
WHERE: Fairfax City Hall Annex  
WHY: Offer feedback about this important project in your neighborhood!

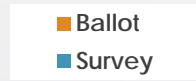
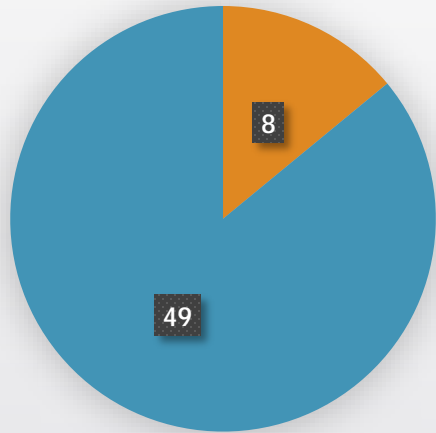
**FAIRFAX CITY**

**More info: [FairfaxVA.Gov/Transportation](http://FairfaxVA.Gov/Transportation)**

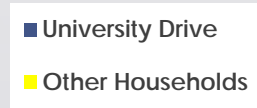
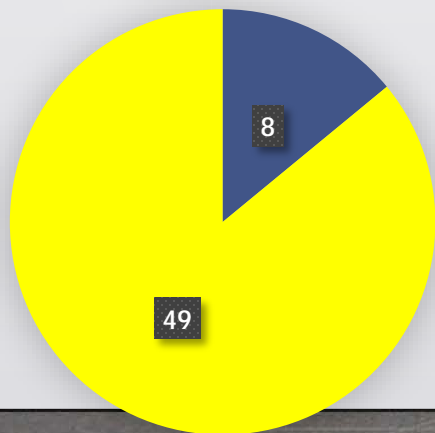


# Ballot Results

Voting Method



Household Locations



**University Drive Traffic Calming**

**Public Input Meeting May 21, 2018**

Address: \_\_\_\_\_

Name (Optional): \_\_\_\_\_

**Instructions**

Please review the proposed traffic calming improvements shown on the front and back of this ballot. Use the green, yellow, and red dots to tell us which improvements you think should be considered further.

- High Priority Improvement
- Low Priority Improvement
- No interest or opposed to improvement

**Menu Of Proposed Traffic Calming Improvements (Intersections)**

**University Drive Traffic Calming**

**Public Input Meeting May 21, 2018**

**Menu Of Proposed Traffic Calming Improvements (Mid-block)**

**Additional Comments**

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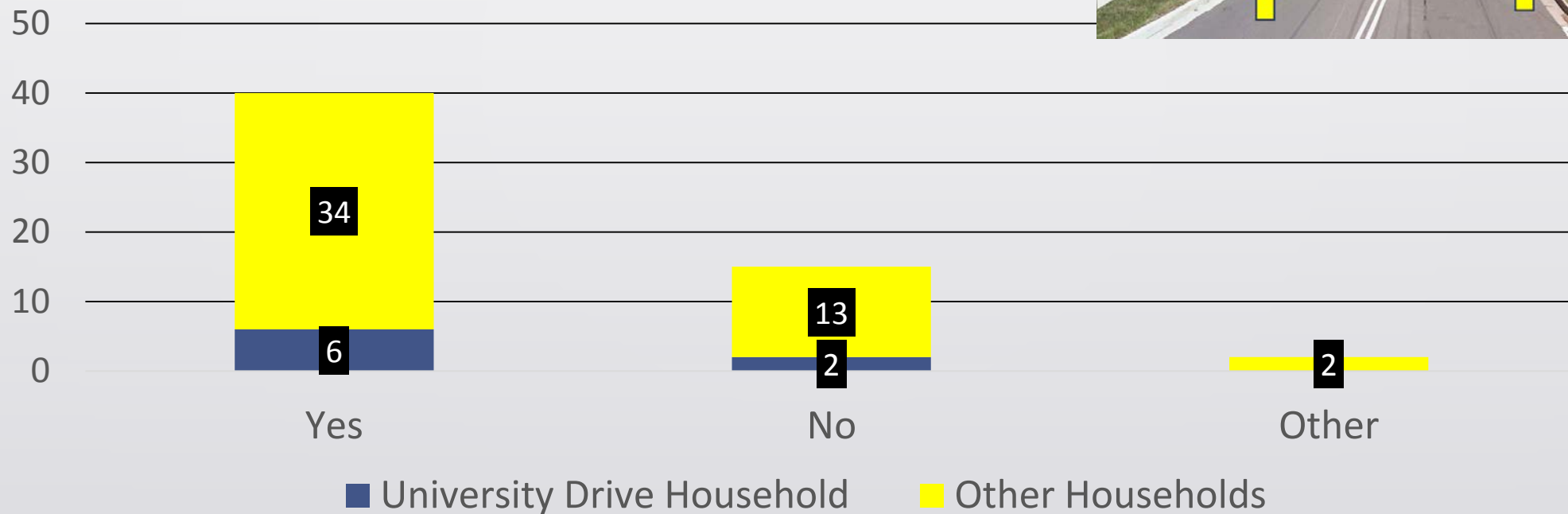
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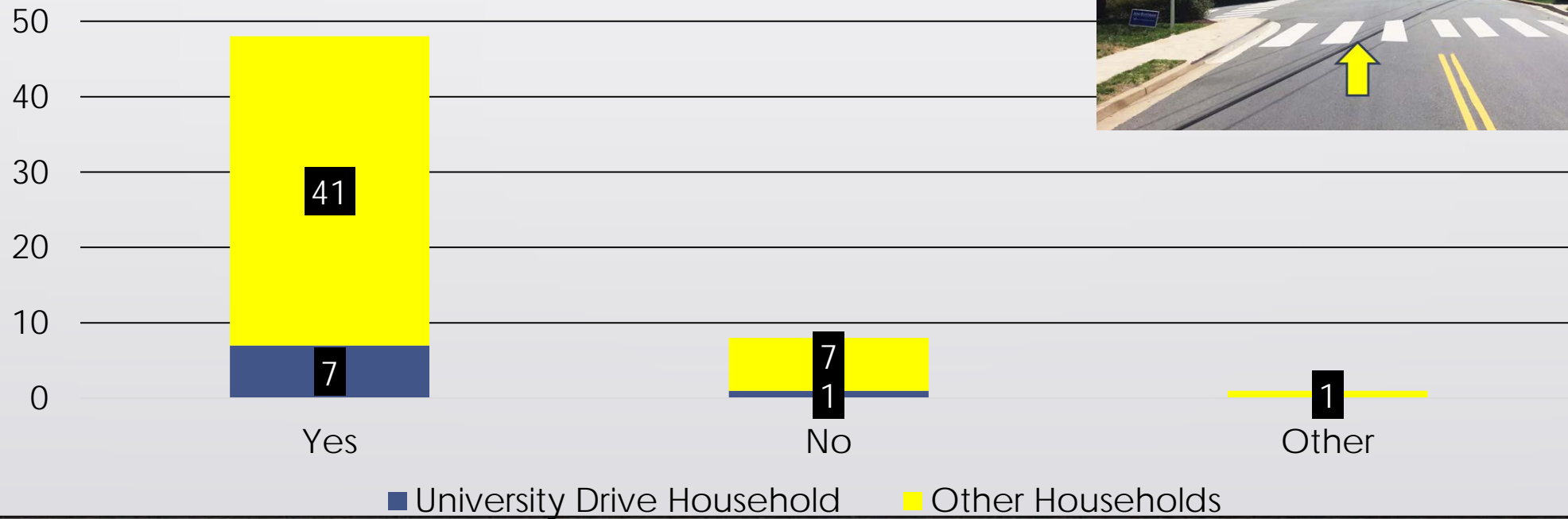
# Intersection Treatments

# University Drive and Stratford Avenue Intersection Bulb-out

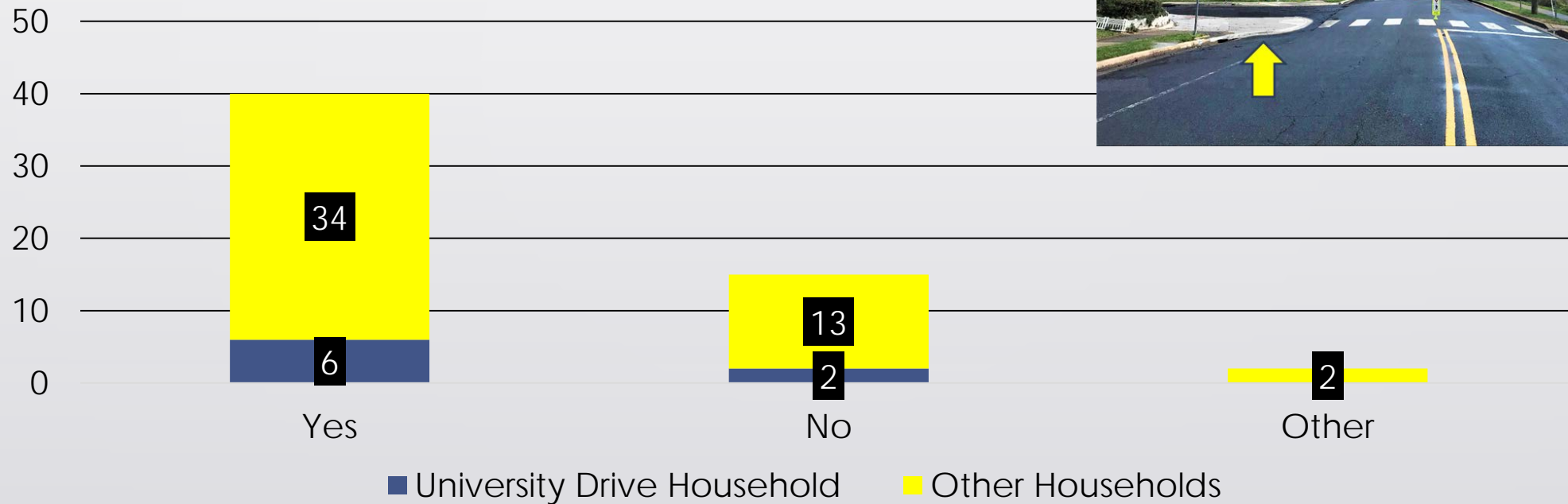




# University Drive and Jean Street Crosswalk

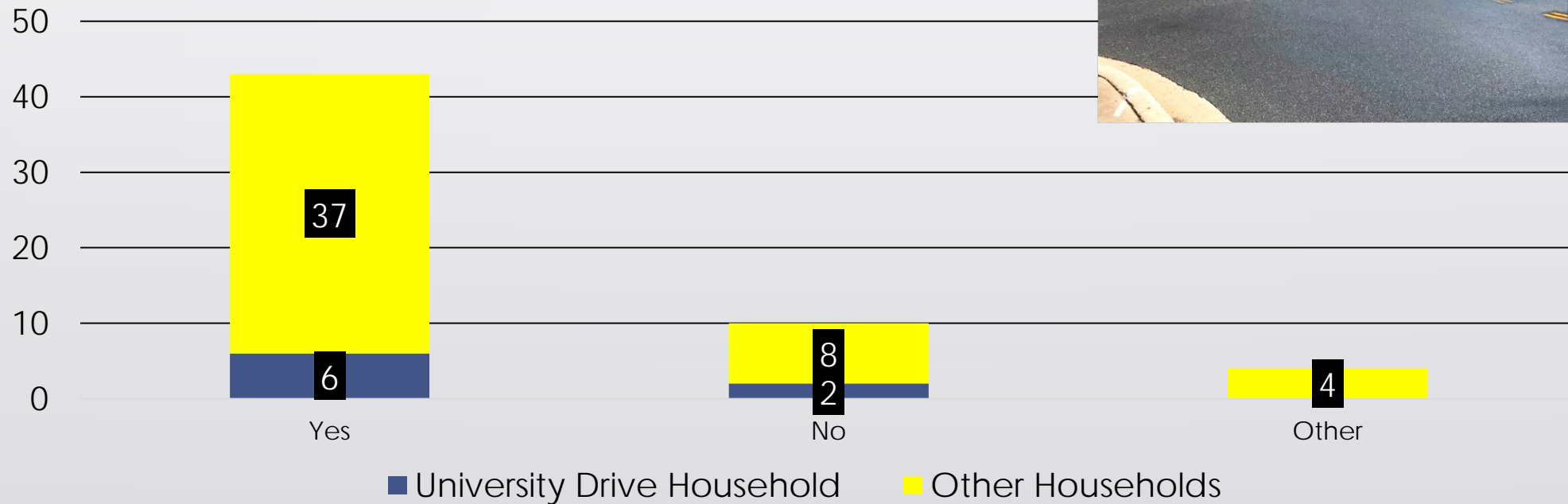


# University Drive and Ford Road Bulb-out





# University Drive and Kenmore Avenue Curb Modification

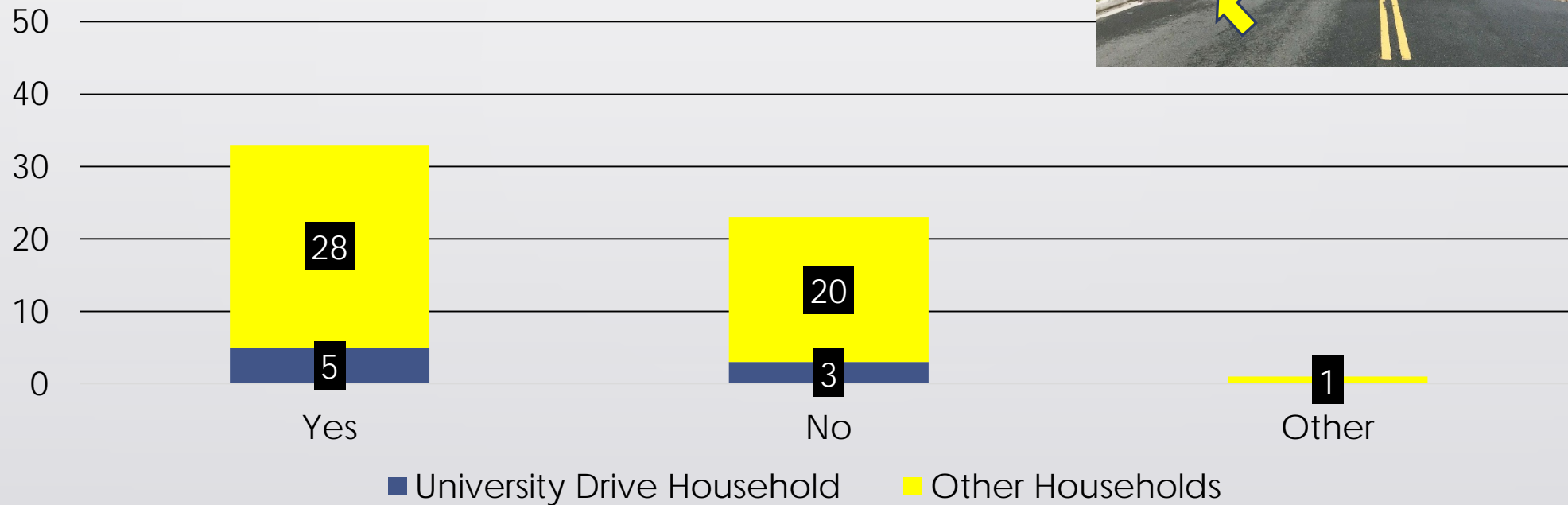


# University Drive between Wood Road and Ford Road

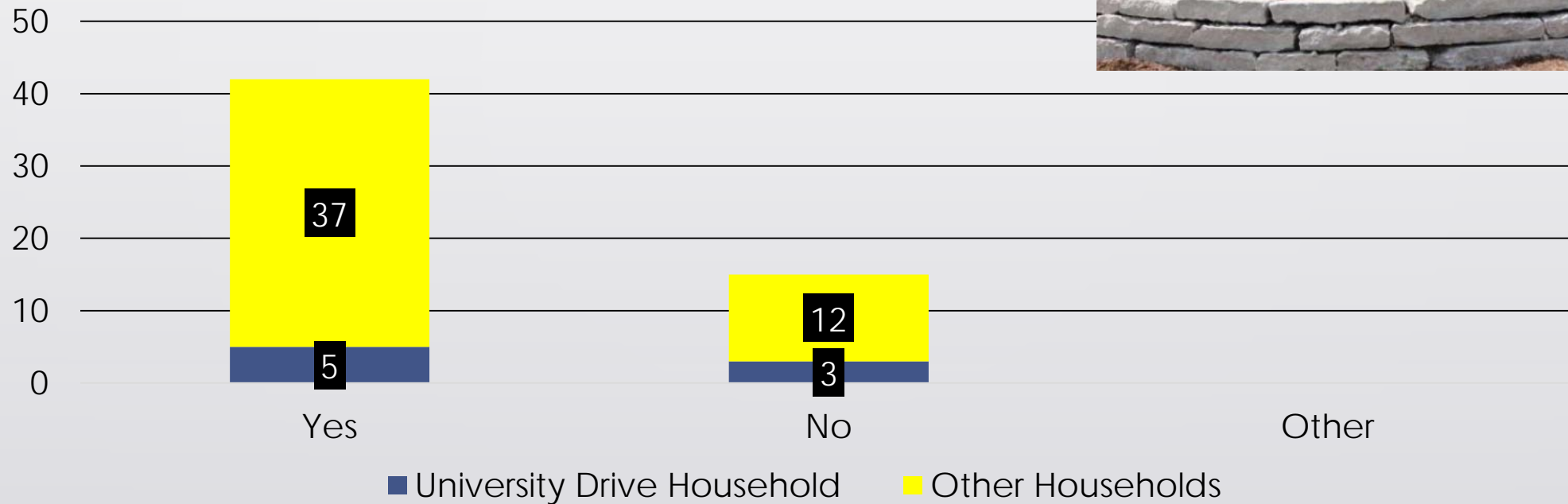




# University Drive between Stratford Avenue and Wood Road Mid Block Chicanes

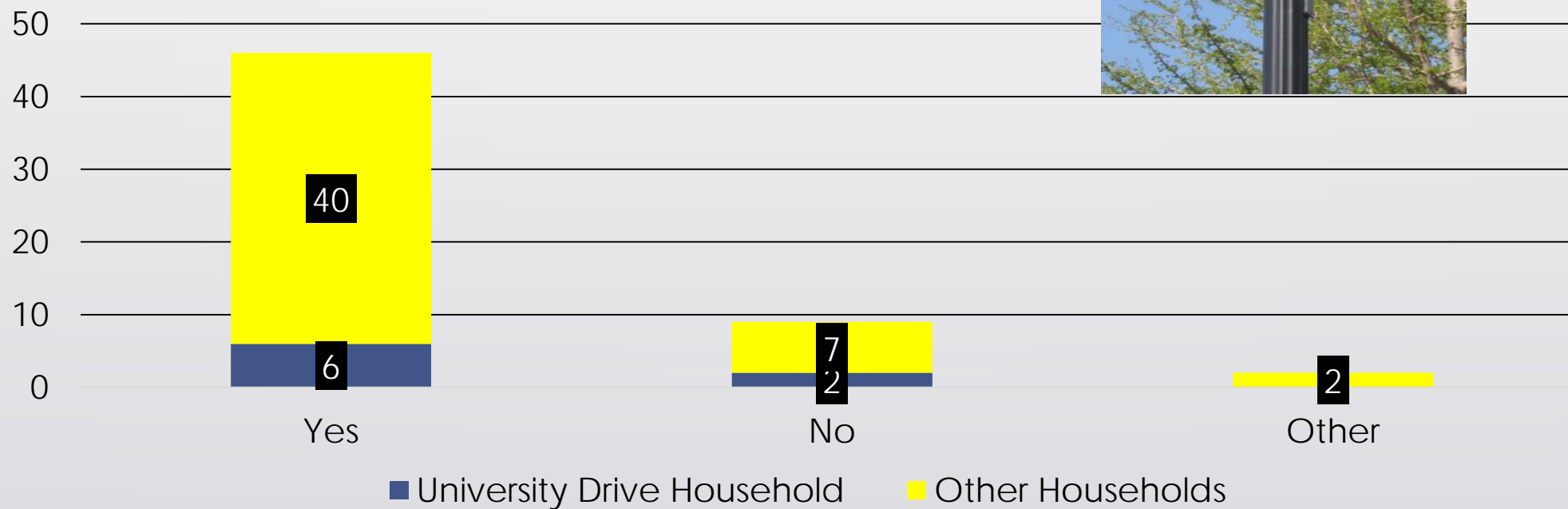


# University Drive Community Signage

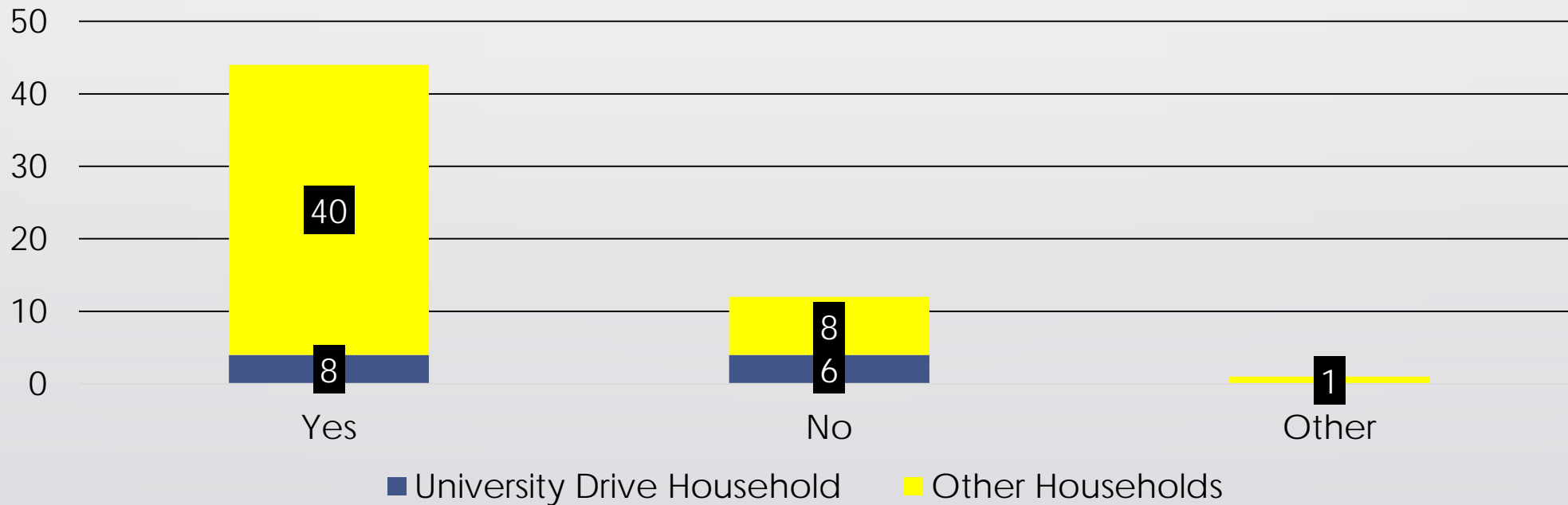




# Street Lighting



# Sidewalk Improvement

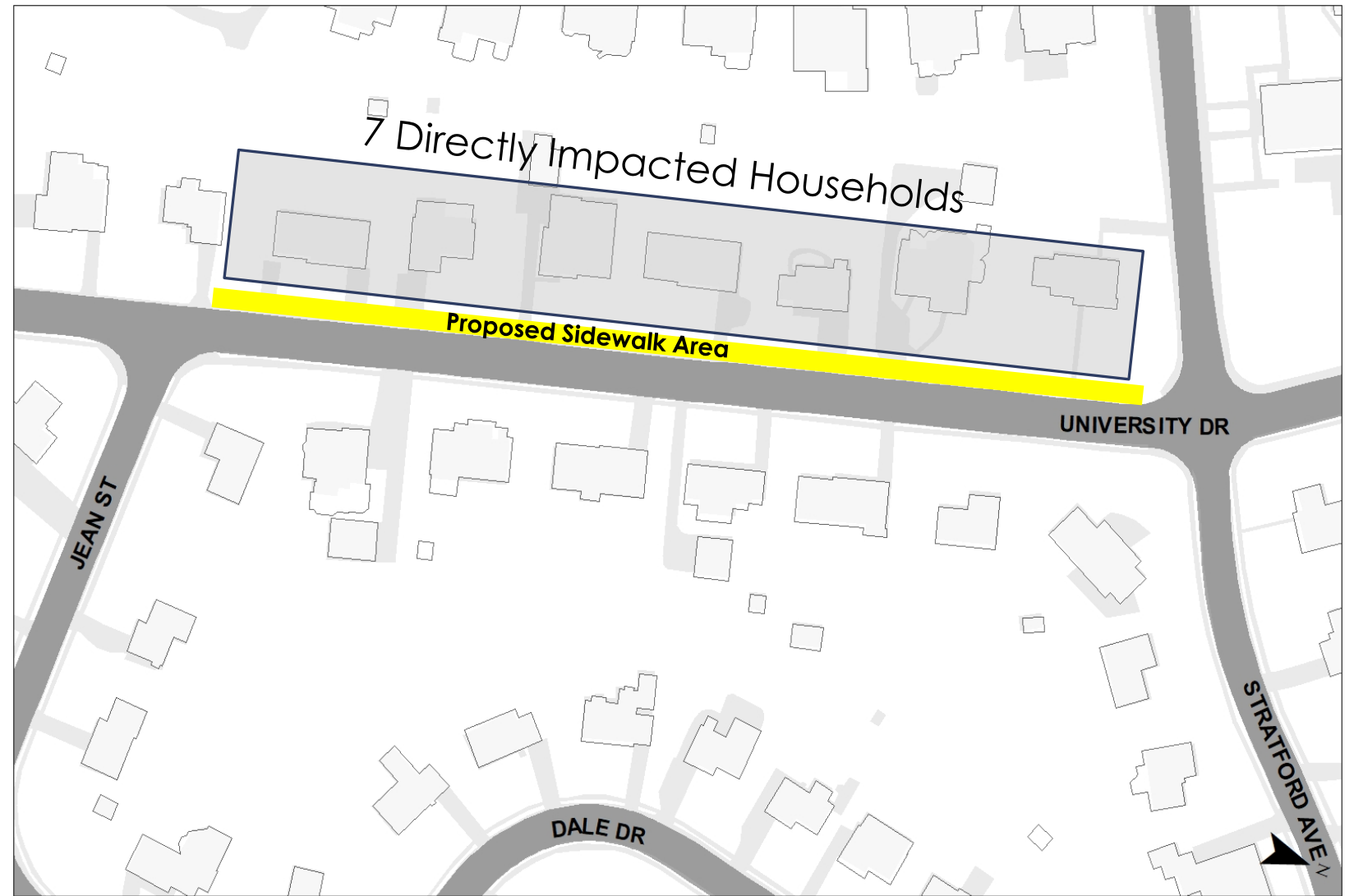


\*University Drive household count on this slide includes households all along University Drive and not just adjacent to the proposed sidewalk



# University Drive Sidewalk – Adjacent Property Owner Responses


- ✓ 4 In Favor
- ✗ 1 Opposed
- 2 No Response



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# Summary and Staff Recommendation

Improvement	In Favor	Opposed	Recommended	Cost
<b>Intersection Treatments</b>				
Stratford Avenue Bulb-Outs	40	15	YES	\$ 80,000
Jean Street Crosswalk	48	8	YES	\$ 10,000
Ford Road Bulb-Outs	40	15	YES	\$ 60,000
Kenmore Drive Curb Modification	43	10	YES	\$ 50,000
<b>Corridor Treatments</b>				
Wood Road to Ford Road Chicanes or Striped Parking	39	18	YES - chicanes	\$ 40,000
Stratford Avenue to Wood Road Chicanes	33	23	YES	\$ 40,000
Community Signage	42	15	YES	\$ 20,000
<b>Other Pedestrian Enhancements</b>				
Enhanced Lighting	46	9	YES	\$ 170,000
Widen Substandard Driveway Aprons	Not included in survey		YES	\$ 150,000
Stratford Avenue to Wood Road Sidewalk	48	14	YES	\$ 300,000
			Construction Total	\$ 620,000
			Project Total	\$ 1,000,000





## Next Steps

- Provide guidance to staff on whether to proceed with the project
  - Intersection Treatments (Intersection bulb-outs)
  - Corridor Treatments (Mid-block chicanes, Jean Ave crosswalk, lighting enhancements, signage)
  - Other Pedestrian Enhancements (Missing link sidewalk and apron widening)



Questions?