

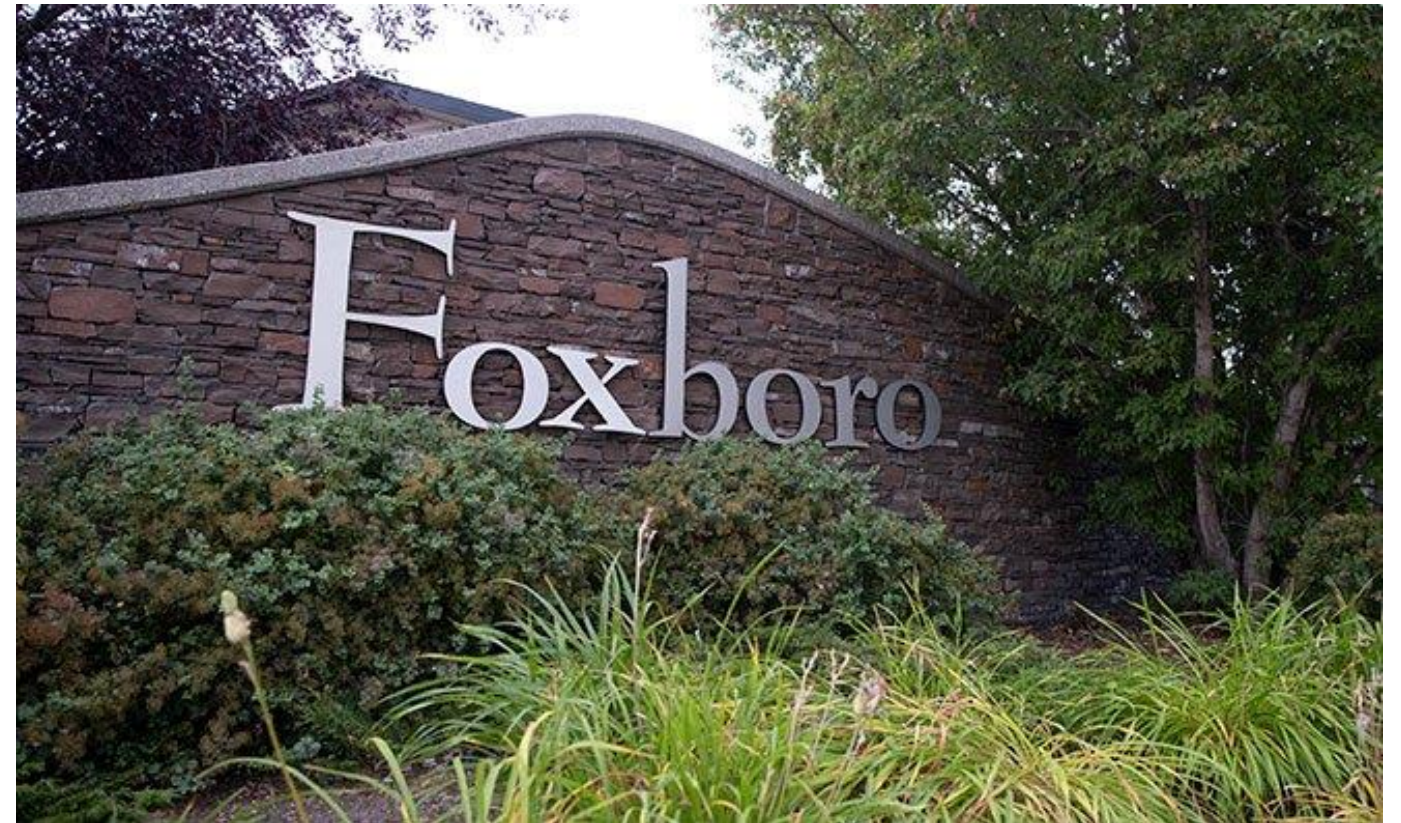
Foxboro and Area Community Traffic Review

Priorities Committee
September 12, 2023

Transportation Engineering and Operations

Purpose of presentation

- To provide an overview and report for the outcomes and next steps of the Foxboro and Area Community Traffic Review



Background

- This project reviewed Foxboro, Foxhaven, Regency Park and The Ridge neighbourhoods to address vehicle speed and pedestrian safety.
 - Foxboro, Foxhaven, and The Ridge are due for pavement rehabilitation
 - Some ongoing traffic and safety concerns from residents
 - In 2021, the Florian Park site was approved for a replacement (K-12 Francophone) school, which has amplified concerns
- A full community traffic review was launched in June 2022.

Purpose of the project



- To identify improvements for traffic management and safety that can be incorporated during upcoming neighbourhood rehabilitation.
- Components:
 - Engineering review
 - Speed, volume, collision data
 - Traffic impact assessment provided by school
 - Public engagement

SER-009-040 Traffic Calming Policy

- Used to guide our process and decision making
- Traffic calming means the use of physical features to ensure roads are used as they are intended (as defined in our Design and Construction Standards)
- Allows for both
 - An engineering-led process
 - An engineering or community identified concern is confirmed by engineering data
 - Have a duty of care to ensure the road is operating within defined parameters
 - A community-led process
 - Community concerns are identified, but traffic data suggests the road is operating within expected parameters
 - Residents are offered a solution to address the concern, but the option to do nothing is also presented.

Engineering review – current conditions

- All collector roads are operating well within capacity
 - 1,000-3,595 vehicles per day (designed for up to 6,000)
- Vehicle speeds within expected parameters at 8/10 locations
 - At two locations speed fell within guideline for engineering-led calming
- Both Foxboro Drive/Regency Drive and Ridgemont Way/Regency Drive intersections are operating well with two-way stop control
- Some locations where pedestrian facilities don't reflect current best practice
- Ten-year collision history is typical for residential area
 - Three pedestrian and two cyclist collisions – none cited unsafe vehicle speed as a contributing factor

Engineering review – future conditions

- Traffic Impact Assessment (TIA)
 - Submitted by school
 - Reviewed by PDS and TPE
- Anticipates:
 - 12 school buses each morning and afternoon
 - Up to 1,214 generated trips per day (based on conservative 60% bussing scenario)
 - Current intersections at Foxboro Drive/Regency Drive and entrances to the bus loop and new school parking will operate at an acceptable level of service

Public engagement (PE)

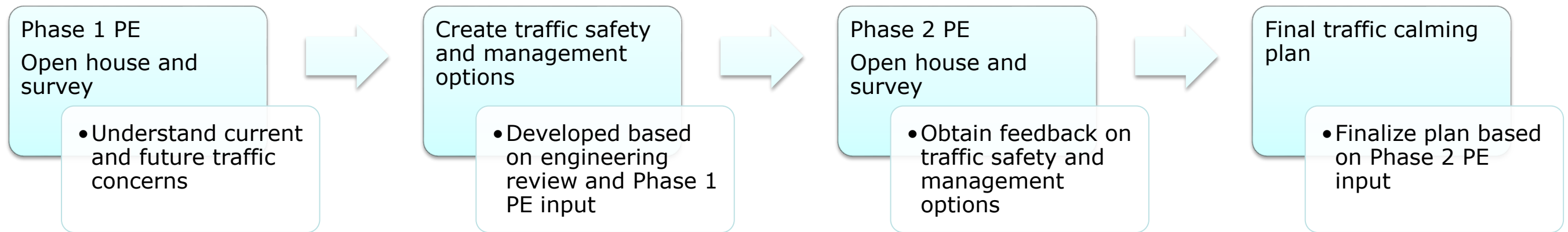
Two-phase PE process

- Each involved an open house and online survey
- Each phase was supported by an extensive communication plan
 - Letters to every household (2,732)
 - Road signs
 - Project webpage and e-newsletter

As per our PE Policy, engagement was at the “Listen and Learn” level



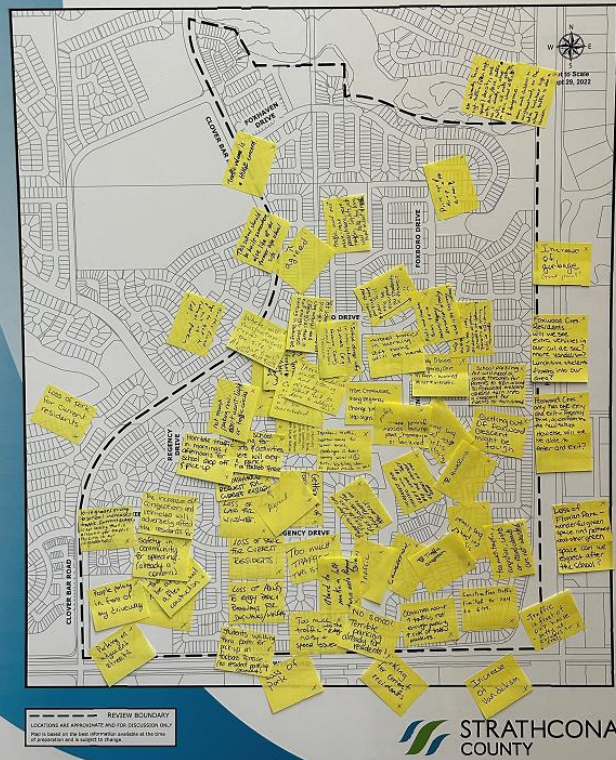
Public engagement process



Future concerns

What are your traffic concerns related to the new school?

Please mark specific locations on the map and provide details in your survey.

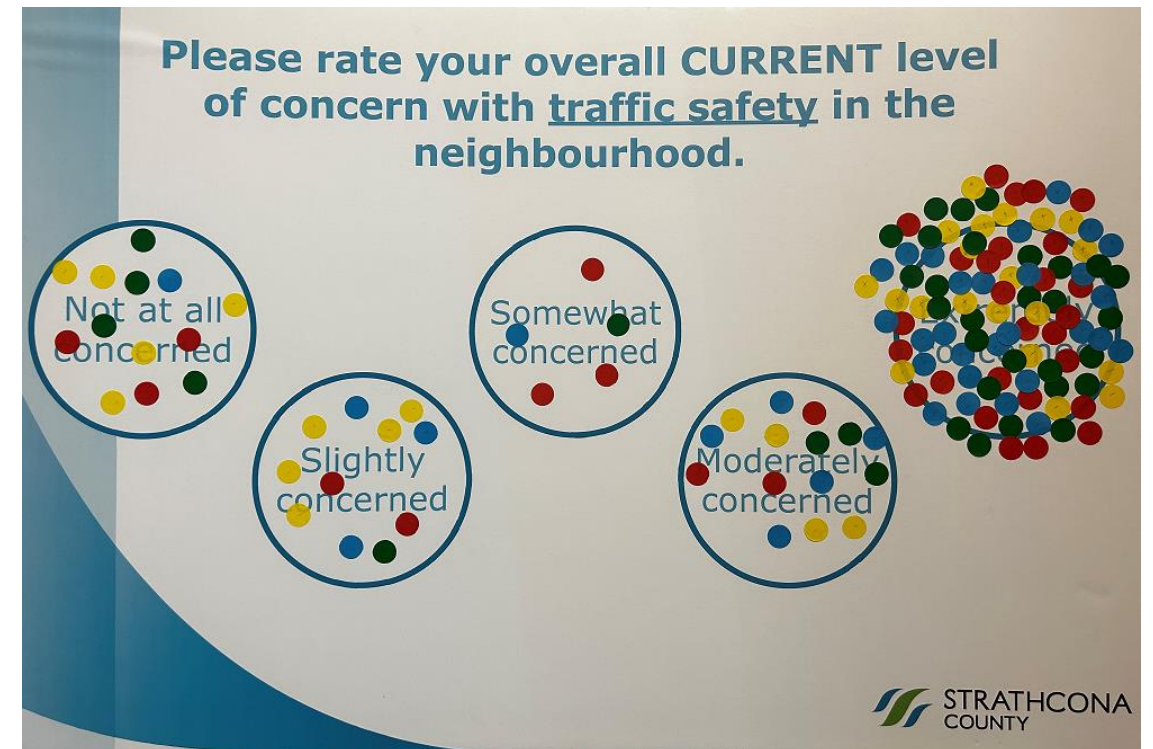


Phase 1 PE – Fall 2022

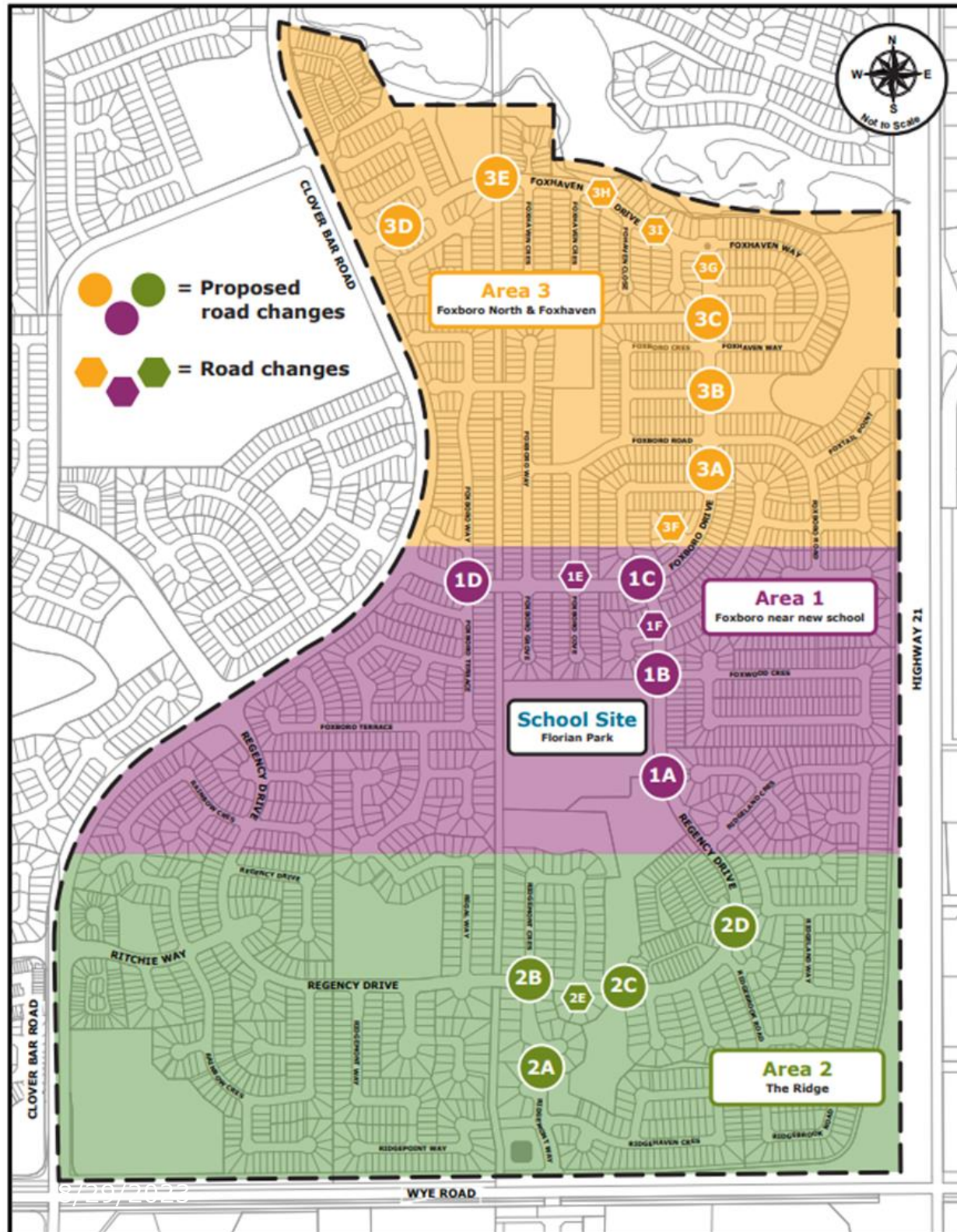
What we heard

- Over 100 people attended the open house
- 364 responses to survey
- 58% survey respondents were either “Moderately” or “Extremely” concerned with **current** traffic conditions

- 81% were either “Moderately” or “Extremely” concerned with **future** traffic conditions
- 68% of respondents were supportive of physical measures to improve pedestrian safety



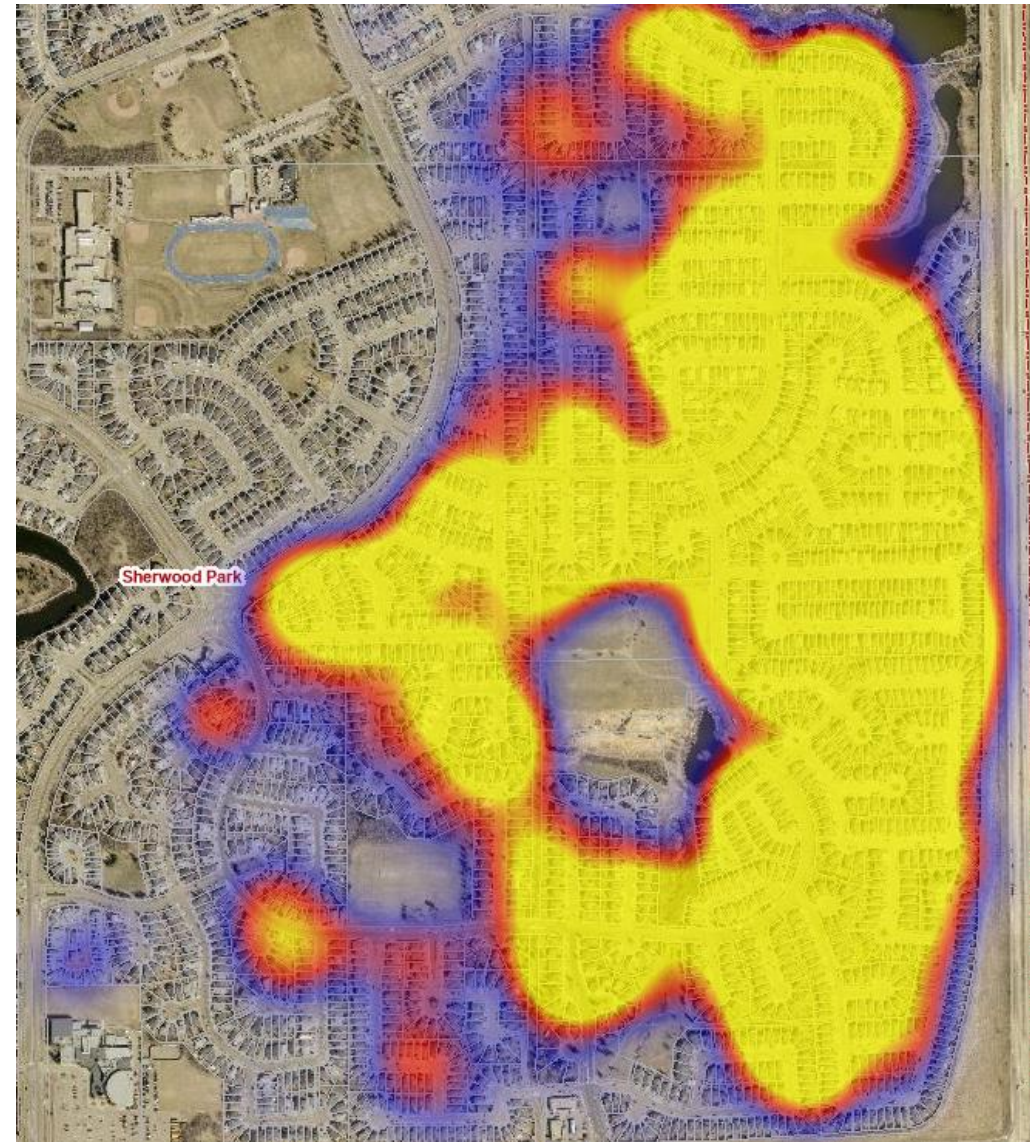
Traffic calming options



- Based on Phase 1 PE and engineering review, a preliminary traffic safety and management plan was developed
- Traffic calming options were presented for both engineering-led and community-led concerns
 - 13 locations where we asked for resident input into options
 - 7 locations where no input was sought on road changes

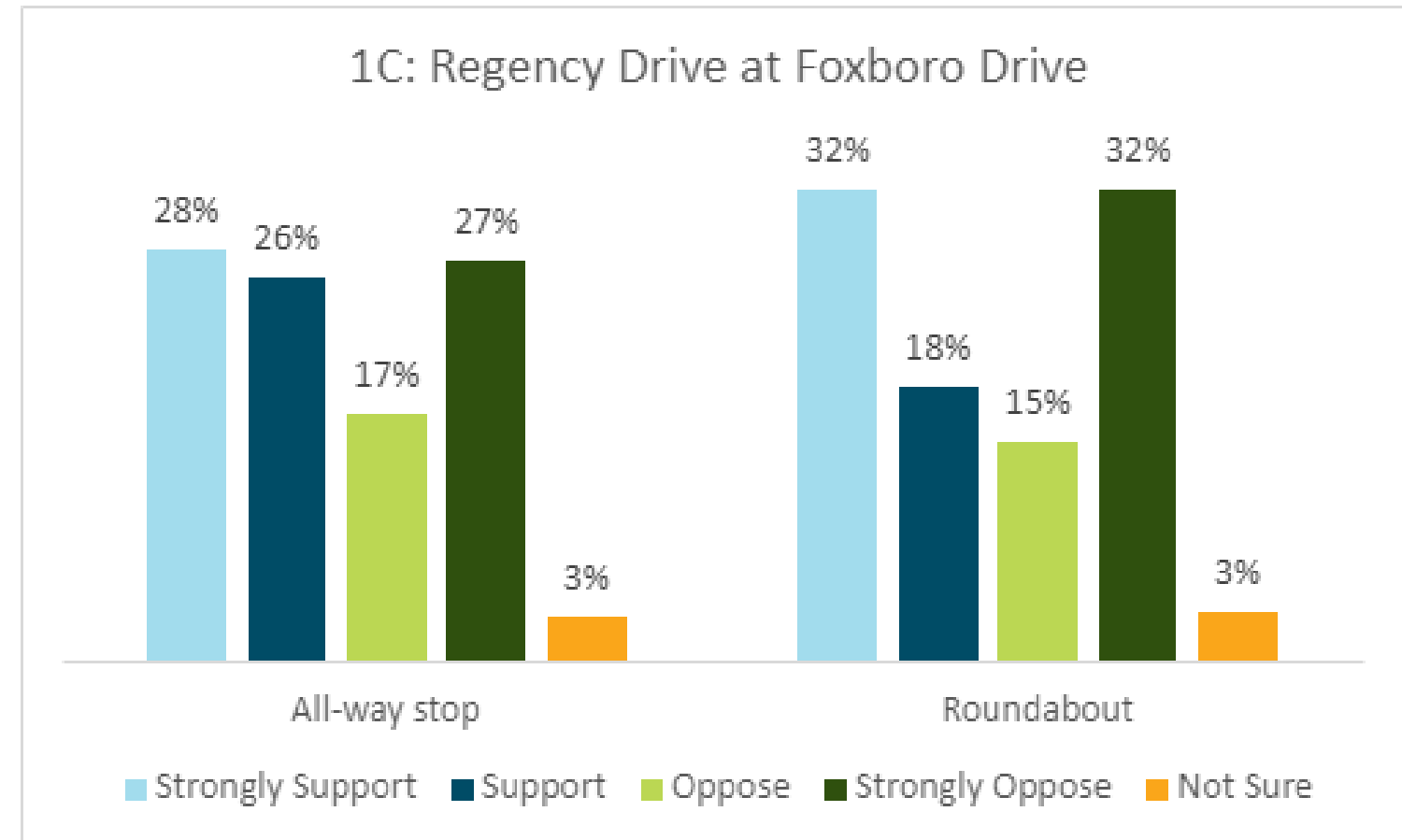
Phase 2 PE results - March 2023

- 352 households responded (13%)
- Overall, the majority of residents do not support physical traffic calming, particularly raised features, to manage traffic concerns.
- In all cases except the intersection of Foxboro Drive with Regency Drive, resident preference was clearly with the lower cost, less aggressive traffic calming option.
- Generally, the farther away the location was from the new school site, the less support there was for change.



Foxboro Drive/Regency Drive intersection

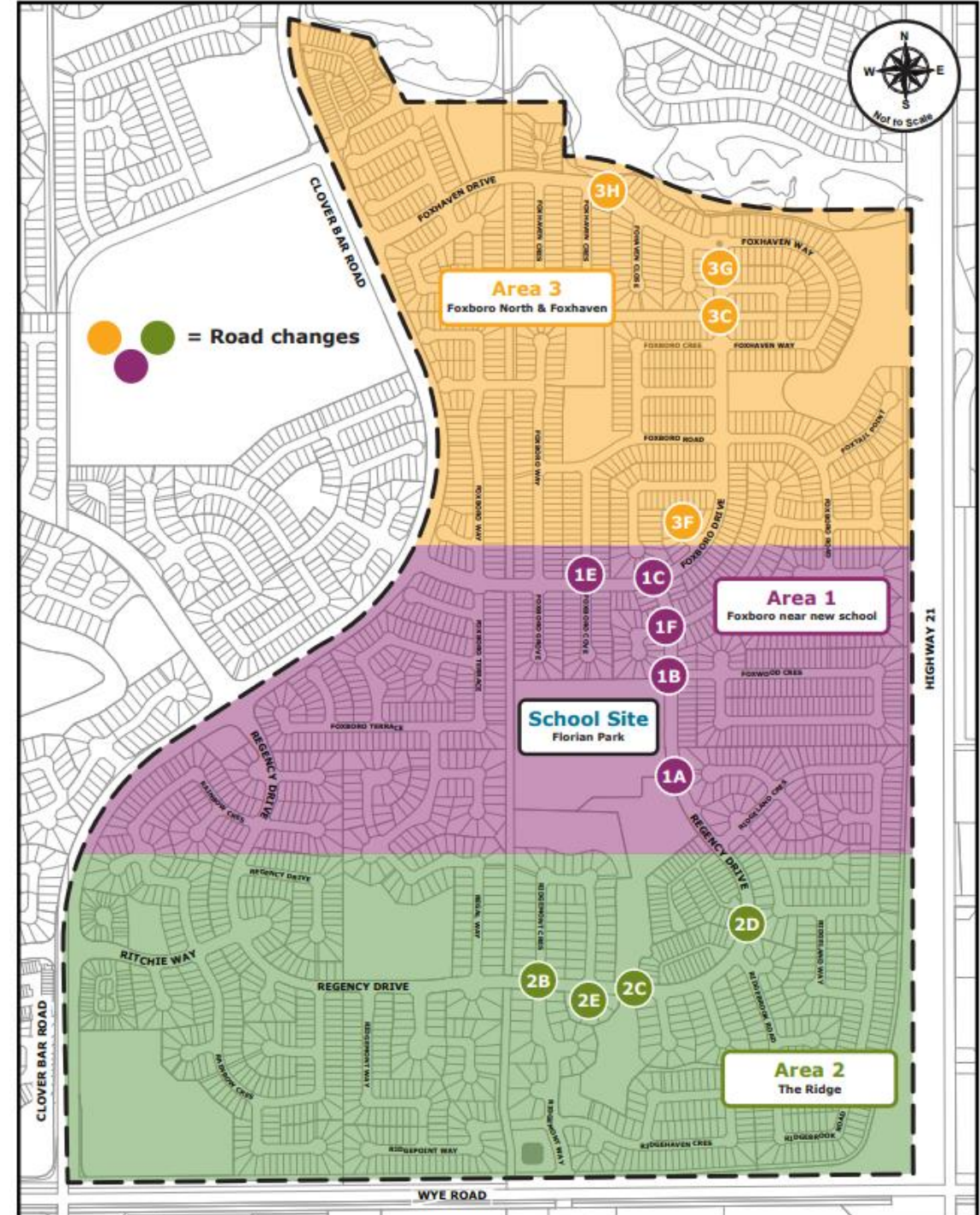
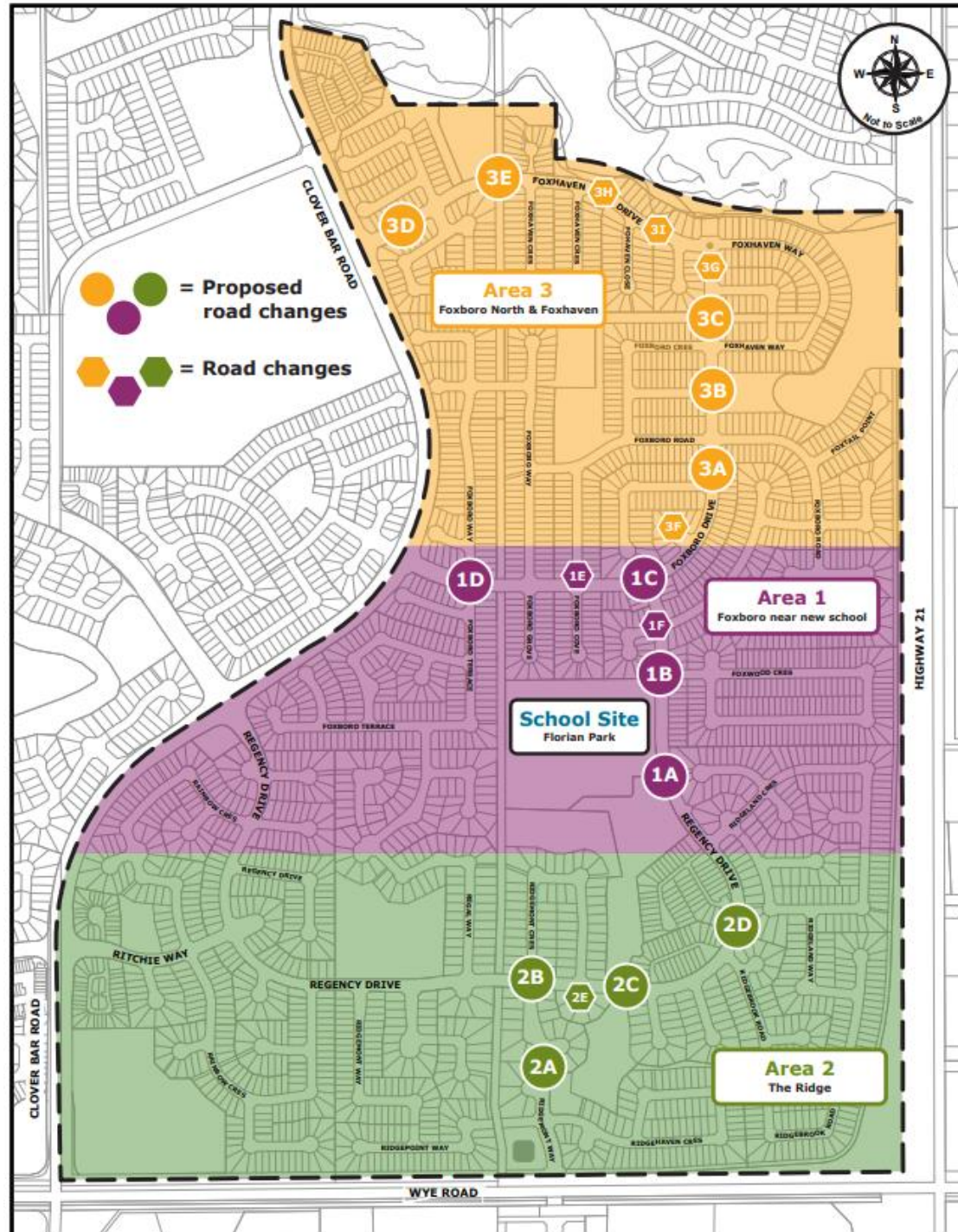
- Resident opinion was divided
- Ice was commonly cited as an issue at this intersection
- Roundabout is the preferred engineering choice



Final traffic safety and management plan

- Moderate plan for physical improvements at 13 locations that focuses on improving pedestrian facilities
- Designed to balance community desires for safety and accessibility
- Most improvements are minor
- No raised features
- Addition of two new crosswalks with median islands at pedestrian access points (Regency Drive, Foxhaven Drive)
- Addition of a roundabout at Regency Drive/Foxboro Drive intersection
- Total cost of physical improvements is estimated at \$235,000 and will be funded through planned traffic safety improvement budgets

Options presented vs final traffic plan



Other traffic safety and management actions

- Through our School Traffic Safety Partnership, traffic management plans are developed and shared with parents at all schools in the County.
- The playground zone will be transitioned to a school zone.
- Ongoing monitoring of signal timings at arterial intersections.
- Once the new school is open, ongoing reassessment will be undertaken to ensure that the roads are operating as expected and that safety is maintained.



Communication of final plan

- Update the project webpage
- eNewsletter sent to those who have signed up (120 subscribers)
- Road signs in area to promote website for final traffic safety and management plan
- Provide update for Councillor newsletter
- At time of construction (2024 or 2025), homes directly adjacent to affected roads will receive construction notice letters outlining any new traffic safety or management features



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Questions?