



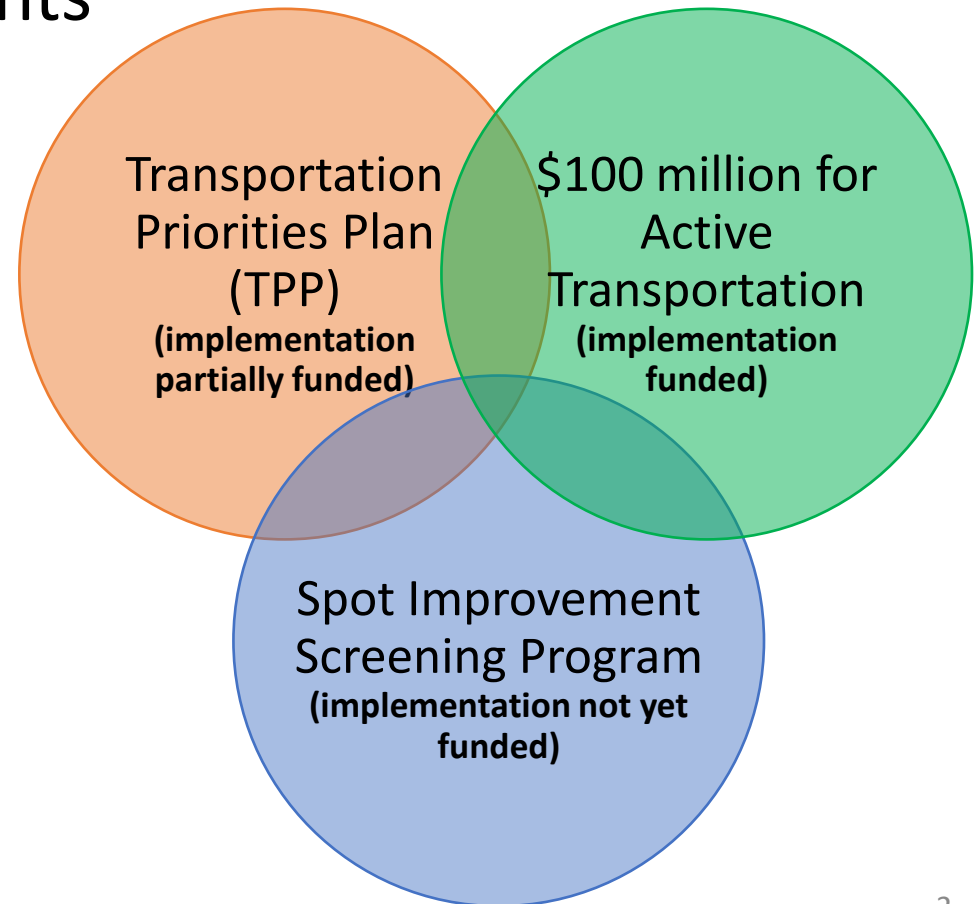
Spot Improvement Screening Program Update

Board Transportation Committee
July 18, 2023

Vanessa Holt, Traffic Engineering Section
Fairfax County Department of Transportation

Background

- Citizen requests for new transportation improvements, particularly intersection improvements
- Spot Improvement Screening Program focus areas:
 - Safety
 - Equity
 - Vulnerable Users
- The priority locations developed in the Screening Program can be used to inform our existing project implementation processes



Screening Program Goals

- Provide a means to identify and **prioritize locations** for improvements using a **data-driven and equitable approach**
- **Prioritize safety** as a metric used for evaluating transportation projects in the County
- Provide information to respond to resident concerns



Screening Program Progress

- Spot Improvement Screening Program
 - Data-driven process
 - Prioritizes safety
 - Evaluate and prioritize intersections countywide



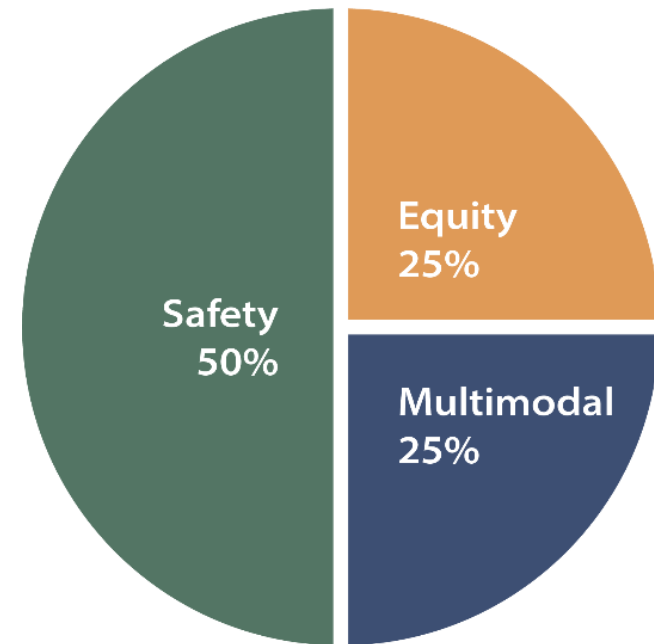
Screening Program Framework

1

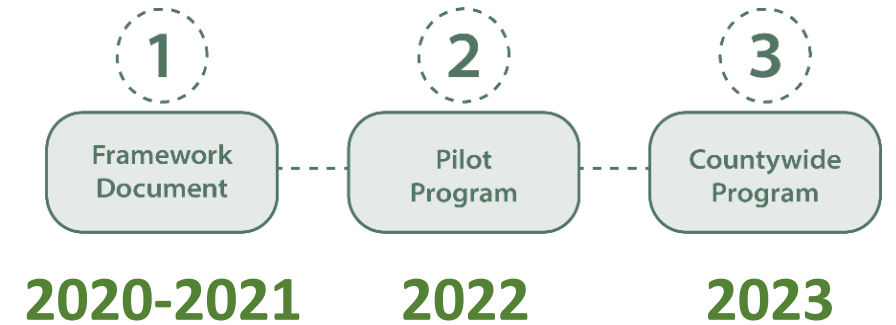
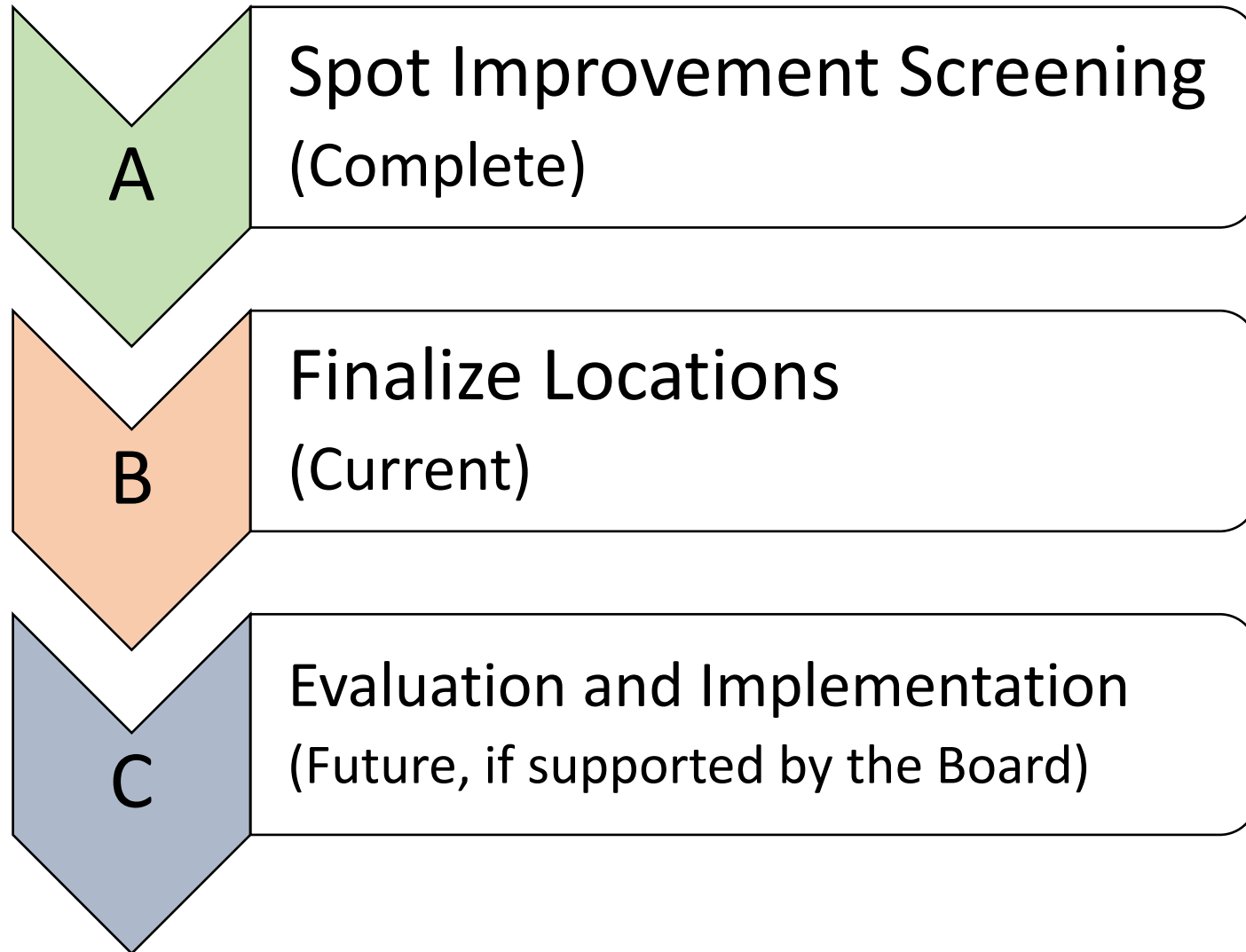
Framework Document

2020-2021

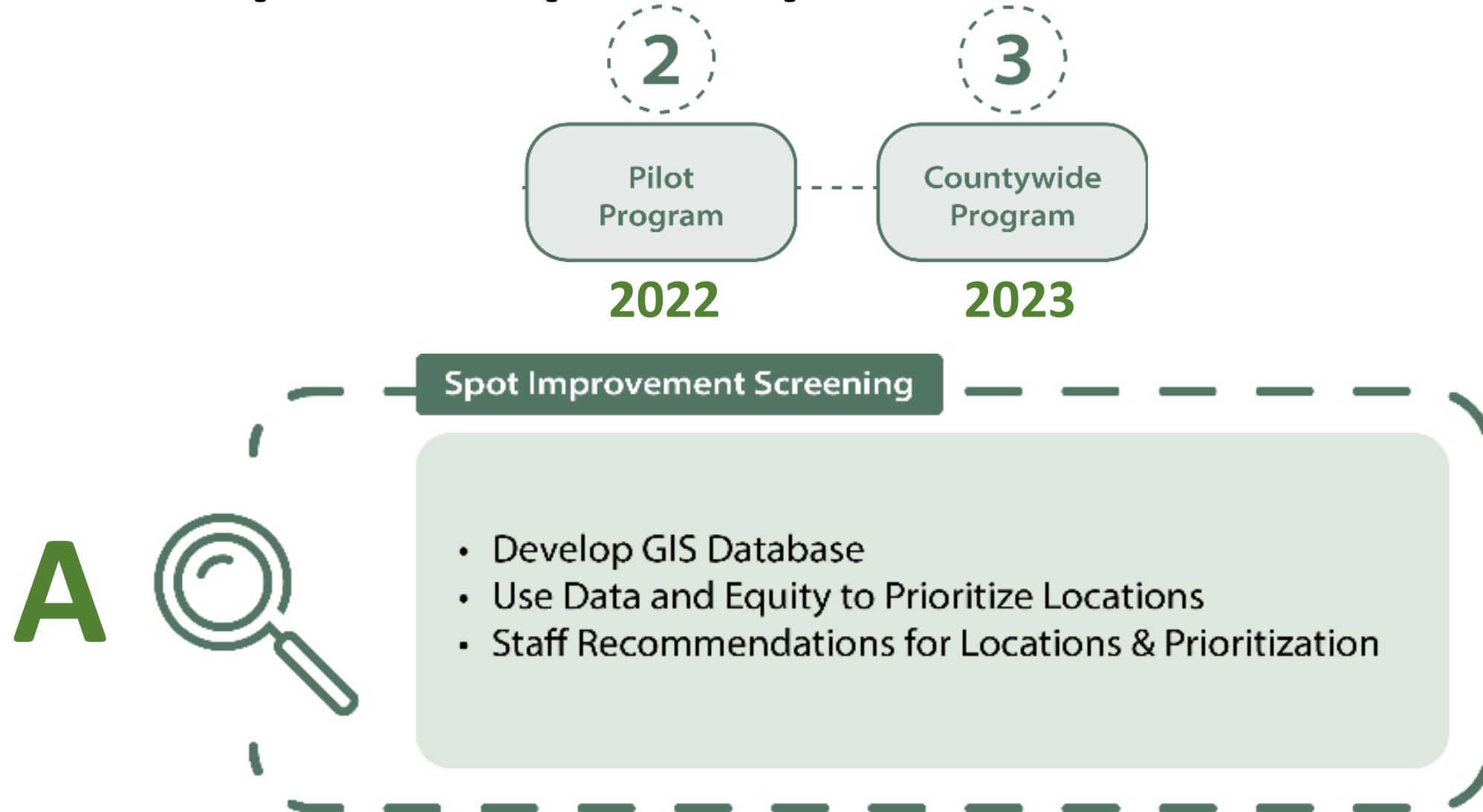
- Established methodology for prioritizing locations
 - Defines overall process for location evaluation
 - Stakeholder Input



Overall Process Defined by Framework



Complete - Spot Improvement Screening



Results of Spot Improvement Screening

Category	Spot Count	Percentage
High	287	7%
Medium	1,715	43%
Low	1,964	50%
<u>Total</u>	<u>3,966</u>	<u>100%</u>

- 1,809 (46%) of locations have a nearby, programmed project
- 133 (46%) of high priority locations have a nearby, programmed project

Supervisor District	Total Spot Locations	High Priority	Medium Priority	Low Priority
Braddock	413	25 (6%)	157 (38%)	231 (56%)
Dranesville	622	20 (3%)	115 (19%)	487 (78%)
Hunter Mill	368	16 (4%)	143 (39%)	209 (57%)
Franconia	431	61 (14%)	283 (66%)	87 (20%)
Mason	472	56 (12%)	291 (62%)	125 (26%)
Mount Vernon	449	24 (5%)	256 (57%)	169 (38%)
Providence	412	34 (8%)	180 (44%)	198 (48%)
Sully	380	27 (7%)	162 (43%)	191 (50%)
Springfield	419	24 (6%)	128 (30%)	267 (64%)
<u>Total</u>	<u>3,966</u>	<u>287 (7%)</u>	<u>1,715 (43%)</u>	<u>1,964 (50%)</u>

Current Step - Finalize Location Priorities

3

Countywide
Program

2023

Finalize Locations

B



- Public Input
- Board Input
- Finalize Prioritization of Locations (Not Projects)

Future Step – Evaluation and Implementation of Projects

- Would only proceed at the direction of the Board, after finalizing spot priorities
- Would require additional funding and resources



Program Recommendations

1. Focus on high priority spot locations
 - a. Continue coordination with VDOT to strategize funding and implementation for spot location improvements
 - b. Focus County resources on high priority spot locations where there are no programmed safety-related projects.
2. Perform corridor studies for roads with multiple high priority spot locations
3. Update the Program every three to five years
4. Identify resources to perform studies, design, and implement spot improvements



Feedback Requested from the Board:

- Feedback on priority locations for each District
- Feedback on next steps
 - Public input on priorities

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