

1

Smallhouse Road at Campbell Lane


Spot 1 - Campbell Lane (Online Results)



Draft Improvement Concepts

Concept: Extend NB Right Turn Lane


Info: Queue Length in AM > Available Storage
Primary crash type is rear-end (5 of 10 for approach)
Level of Service E for right turns (Scale = A to F)



● 75 (100%)	● 0 (0%)
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Concept: Extend WB Right Turn Lane


Info: Queue Length in PM > Available Storage
Primary crash type is rear-end (16 of 28 for approach)
Level of Service C for right turns (Scale = A to F)



● 58 (100%)	● 0 (0%)
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Concept: Add Backplates to Signal Heads with Retroreflective Borders

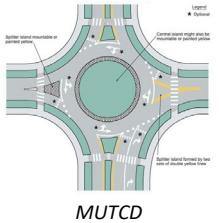
Info: Primary crash type is rear-end (89 of 151 total)
FHWA Countermeasure = 15% reduction in all crashes



● 41 (98%)	● 1 (2%)
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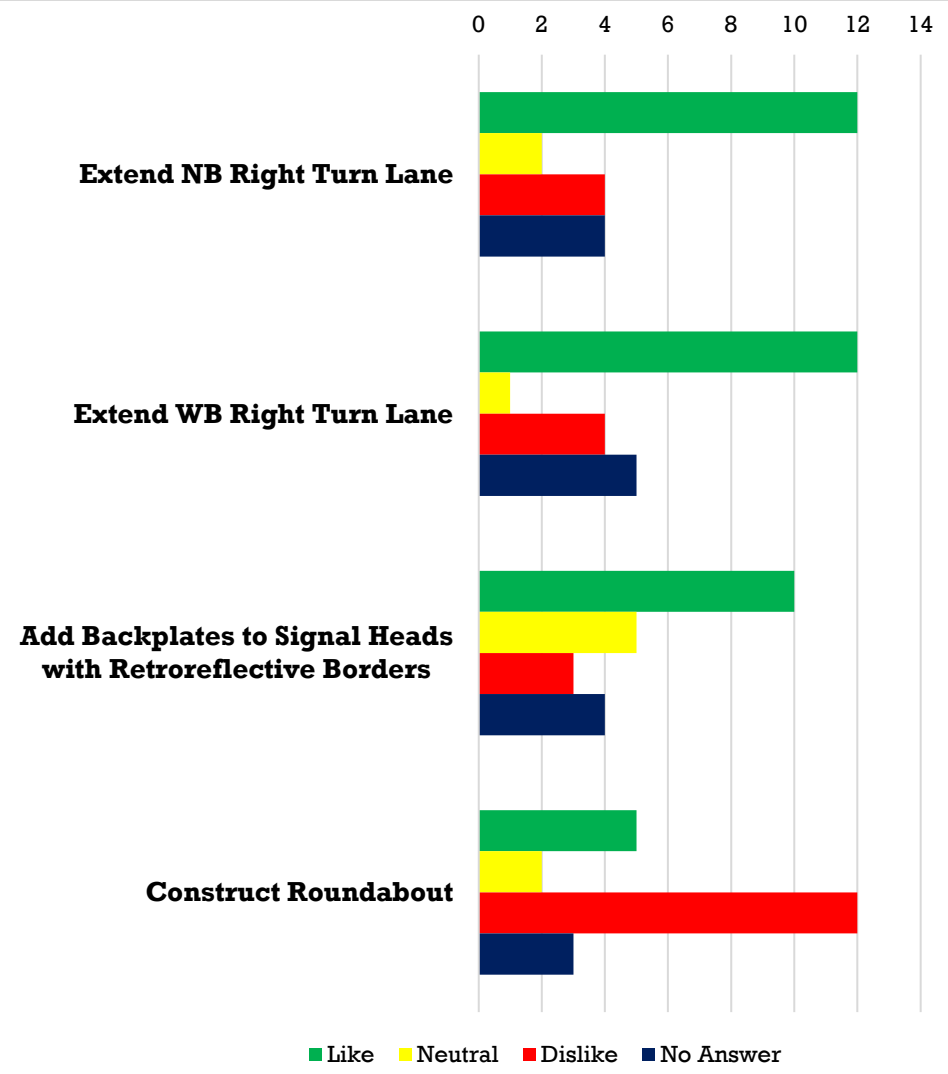
Concept: Construct Roundabout

Info: Helps reduce speeds on approaches serving as a traffic calming measure
FHWA Countermeasure = 78% reduction in fatal and injury crashes (22 of 151 injury crashes ; no fatal)



● 46 (29%)	● 115 (71%)
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Other:



2

Smallhouse Road at Cave Mill Road

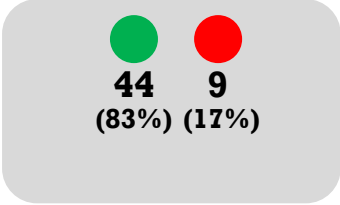
Spot 2 - Cave Mill Road (Online Results)



Draft Improvement Concepts

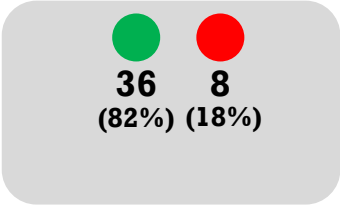
Concept: Extend WB Right Turn Lane

Info: Queue Length in AM equal to available storage
Primary crash type is rear-end (8 of 10 for approach)
Level of Service C for right turns (Scale = A to F)



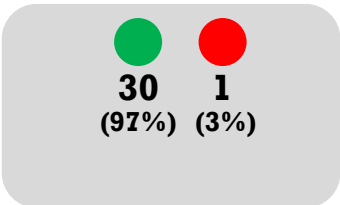
Concept: Extend SB Right Turn Lane

Info: Queue Length in PM equal to available storage
One rear-end and one angle crash on approach
Level of Service C for right turns (Scale = A to F)



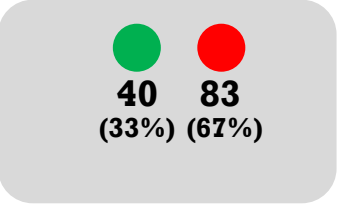
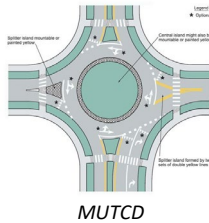
Concept: Add Backplates to Signal Heads with Retroreflective Borders

Info: Primary crash type is rear-end (56 of 112 total)
FHWA Countermeasure = 15% reduction in all crashes



Concept: Construct Roundabout

Info: Helps reduce speeds on approaches serving as traffic calming measure
FHWA Countermeasure = 78% reduction in fatal and injury crashes (16 of 112 injury crashes ; no fatal)



Other:



3

Smallhouse Road at Grider Pond Road


Spot 3 - Grider Pond Road (Online Results)



Draft Improvement Concepts

Concept: Add SB Left Turn Lane

Info: Warranted per KYTC Turn Lane Calculations
 Primary crash type is rear-end (3 of 6)
 FHWA Countermeasure = 28-48% reduction in all crashes



●	●
57	0
(100%)	(0%)

Concept: Construct Mini-Roundabout

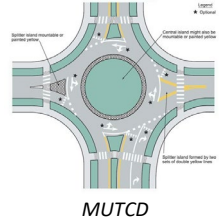
Info: Smaller size to limit right of way impacts
 Has mountable central and splitter islands
 Helps reduce speeds on approaches serving as a traffic calming measure



●	●
13	61
(18%)	(82%)

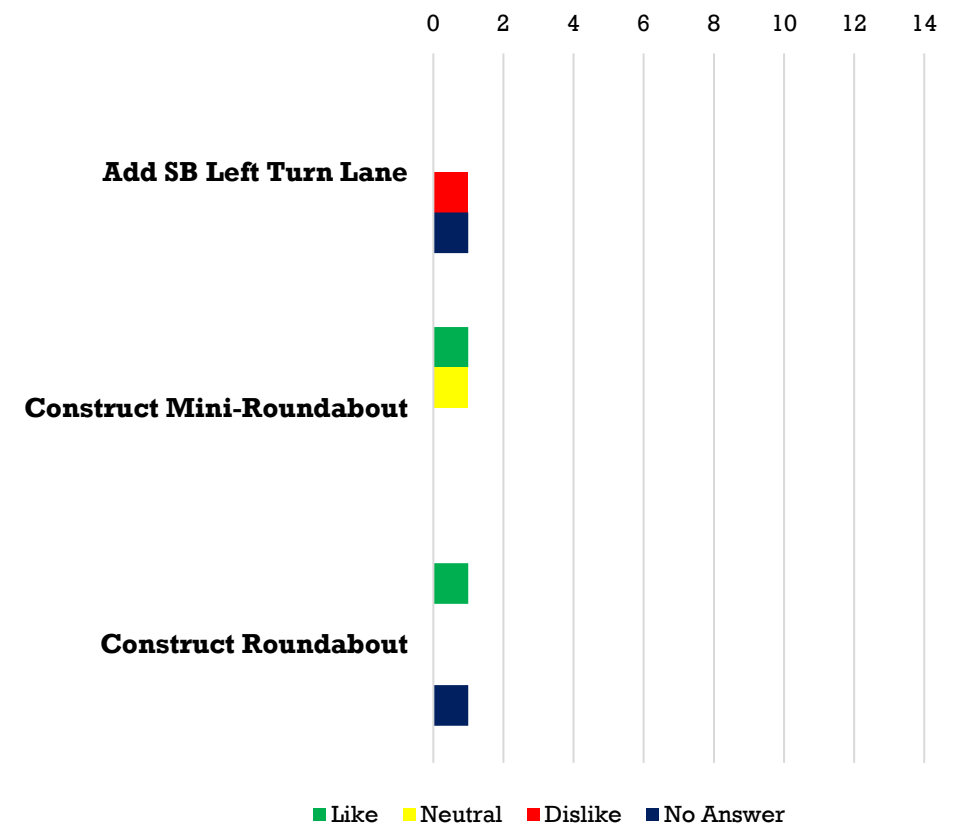
Concept: Construct Roundabout

Info: Room for larger vehicles in travel lane
 Larger size will impact right of way
 Helps reduce speeds on approaches serving as a traffic calming measure



●	●
20	81
(20%)	(80%)

Other:



■ Like
 ■ Neutral
 ■ Dislike
 ■ No Answer

4

Smallhouse Road at Elrod Road

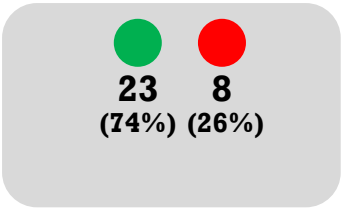
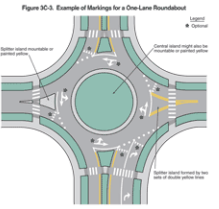
Spot 4 - Elrod Road (Online Results)



Draft Improvement Concepts

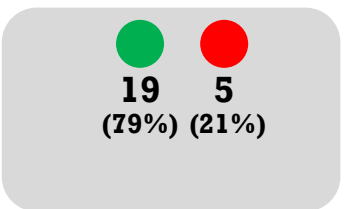
Concept: Reduce Speed with Additional / Enhanced Pavement Markings

Info: Optional lane-use arrows / pavement markings may help with direction and use
Multiple comments in Community Survey about navigation and speeding



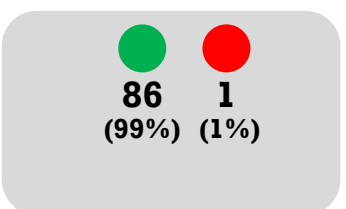
Concept: Enhanced Signing

Info: Optional signing may help with direction and use
Multiple comments in Community Survey about navigation and speeding



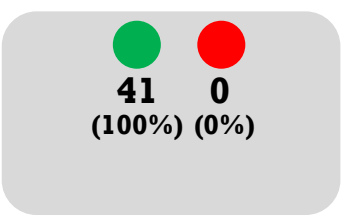
Concept: Add Lighting

Info: 4 of 13 crashes were at dusk or night
FHWA Countermeasure = 33-38% reduction in nighttime crashes

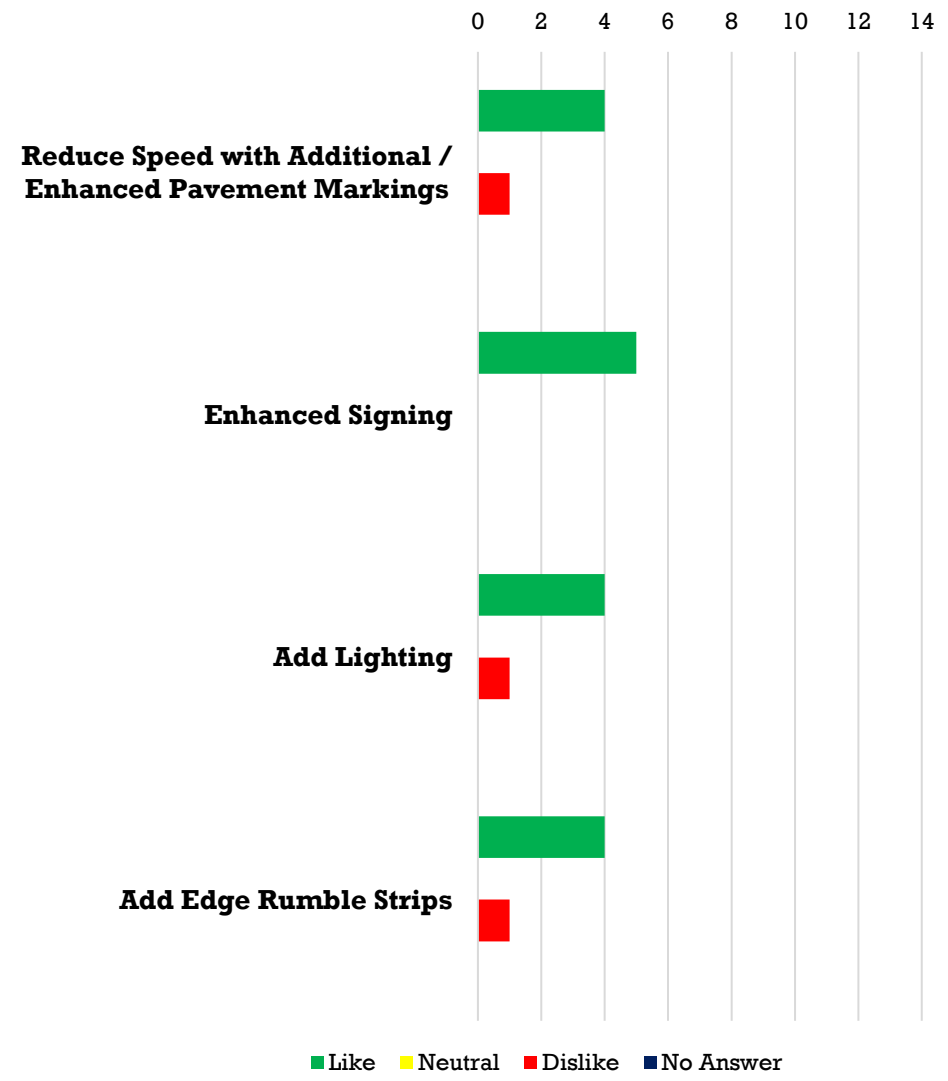


Concept: Add Edge Rumble Strips

Info: Multiple crashes not reported resulted in property damage (fence) from running off road
FHWA Countermeasure = 16% reduction in run-off road crashes



Other:



■ Like
 ■ Neutral
 ■ Dislike
 ■ No Answer

5

Smallhouse Road at Three Springs Road

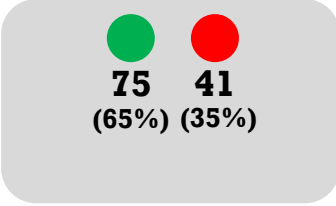
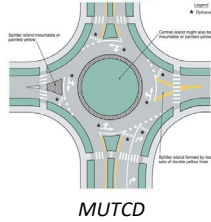


Spot 5 - Three Springs Road (Online Results)

Draft Improvement Concepts

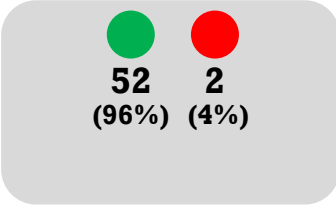
Concept: Construct Roundabout

Info: Primary crash type is rear-end / angle
8 injury crashes over past 5 years
Currently in design phase with KYTC
FHWA Countermeasure = 82% reduction in fatal and injury crashes

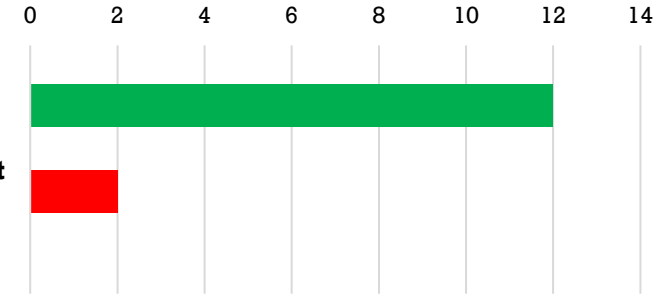


Other: Add Signal

Info: Added as a post-it note



Construct Roundabout



Legend: Like (Green), Neutral (Yellow), Dislike (Red), No Answer (Orange)

6

Smallhouse Road at Shawnee Way

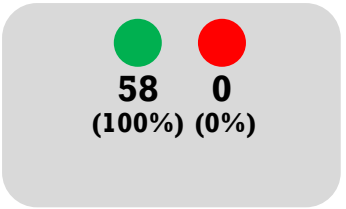
Spot 6 - Shawnee Way (Online Results)



Draft Improvement Concepts

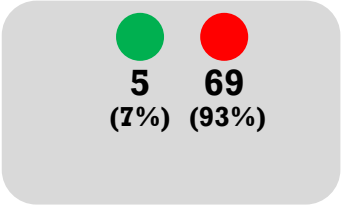
Concept: Add Separate NB Left Turn Lane

Info: Community Survey input included 3 comments about frequent crashes and lack of turn lanes
6 of 9 crashes were rear-end crashes

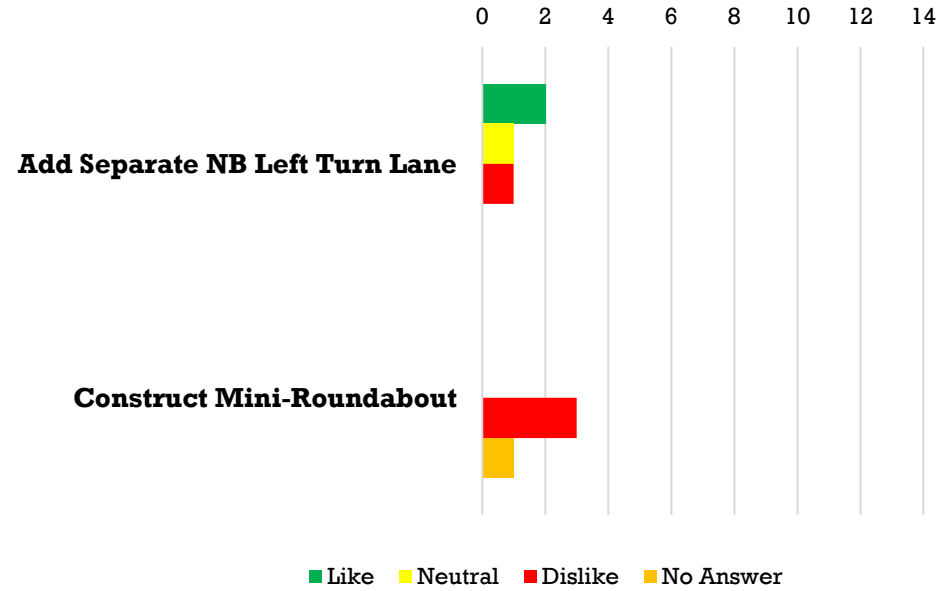


Concept: Construct Mini-Roundabout

Info: Smaller size to limit right of way impacts
Has mountable central and splitter islands
Helps reduce speeds on approaches as a traffic calming measure



Other:





Smallhouse Road at Curve Near Cave Mill Road



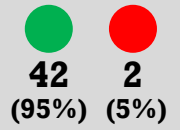
Spot 7 – Curve Near Cave Mill Road (Online Results)



Draft Improvement Concepts

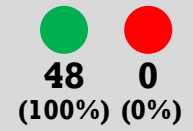
Concept: Add Chevron Signage / Enhanced Signage

Info: Horizontal Curve Class E (Scale = A to F)
Community Survey input noted this was a sharp curve, speeding is an issue and there is heavy traffic



Concept: Pavement Friction Management

Info: 5 of 8 crashes on wet roadway conditions
FHWA Countermeasure = 48% reduction in injury crashes at horizontal curves



Other:

No Online Responses



Smallhouse Road at Curve Near Elrod Road

Spot 8 - Curve Near Elrod Road (Online Results)



Draft Improvement Concepts

Concept: Add Chevron Signage



Info: Horizontal Curve Class E (Scale = A to F)
5 sideswipe crashes
7 of 9 crashes on wet roadway conditions

27 (100%)
0 (0%)

Concept: Tree Trimming to Improve Sight Distance



Info: Countermeasure = approximately 20% reduction in crashes. Benefit depends on distance of tree trimming / removal

28 (88%)
4 (13%)

Concept: Pavement Friction Management



Info: 7 of 9 crashes on wet roadway conditions
FHWA Countermeasure = 48% reduction in injury crashes at horizontal curves

22 (100%)
0 (0%)

Concept: Geometric Improvements (Realignment / Flatten Curve / Increase Clear Zone)



Info: Sharp curve with no room for recovery
FHWA Countermeasure = 8% - 44% reduction in all crashes depending on the extent of improvements

45 (98%)
1 (2%)

Other:



9

Smallhouse Road at Curves by Basil Griffin Park

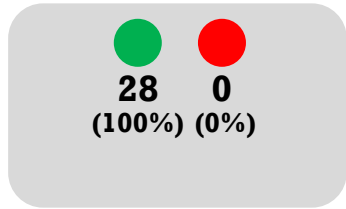


Spot 9 - Curves by Basil Griffin Park (Online Results)

Draft Improvement Concepts

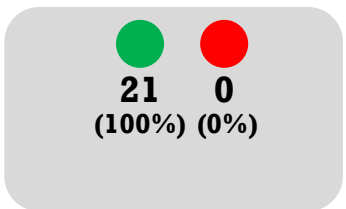
Concept: Enhanced Signage

Info: Horizontal Curve Class F (Scale = A to F)
3 single vehicle & 3 angle crashes
4 of 7 crashes on wet roadway conditions



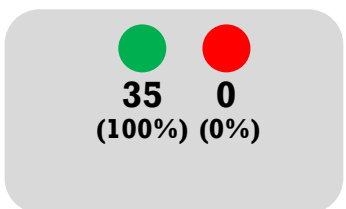
Concept: Pavement Friction Management

Info: 4 of 7 crashes on wet roadway conditions
FHWA Countermeasure = 48% reduction in injury crashes at horizontal curves



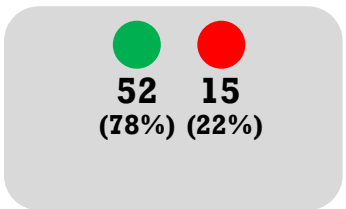
Concept: Geometric Improvements (Realignment / Flatten Curve / Increase Clear Zone)

Info: Sharp curve with no room for recovery
FHWA Countermeasure = 8% - 44% reduction in all crashes depending on the extent of improvements



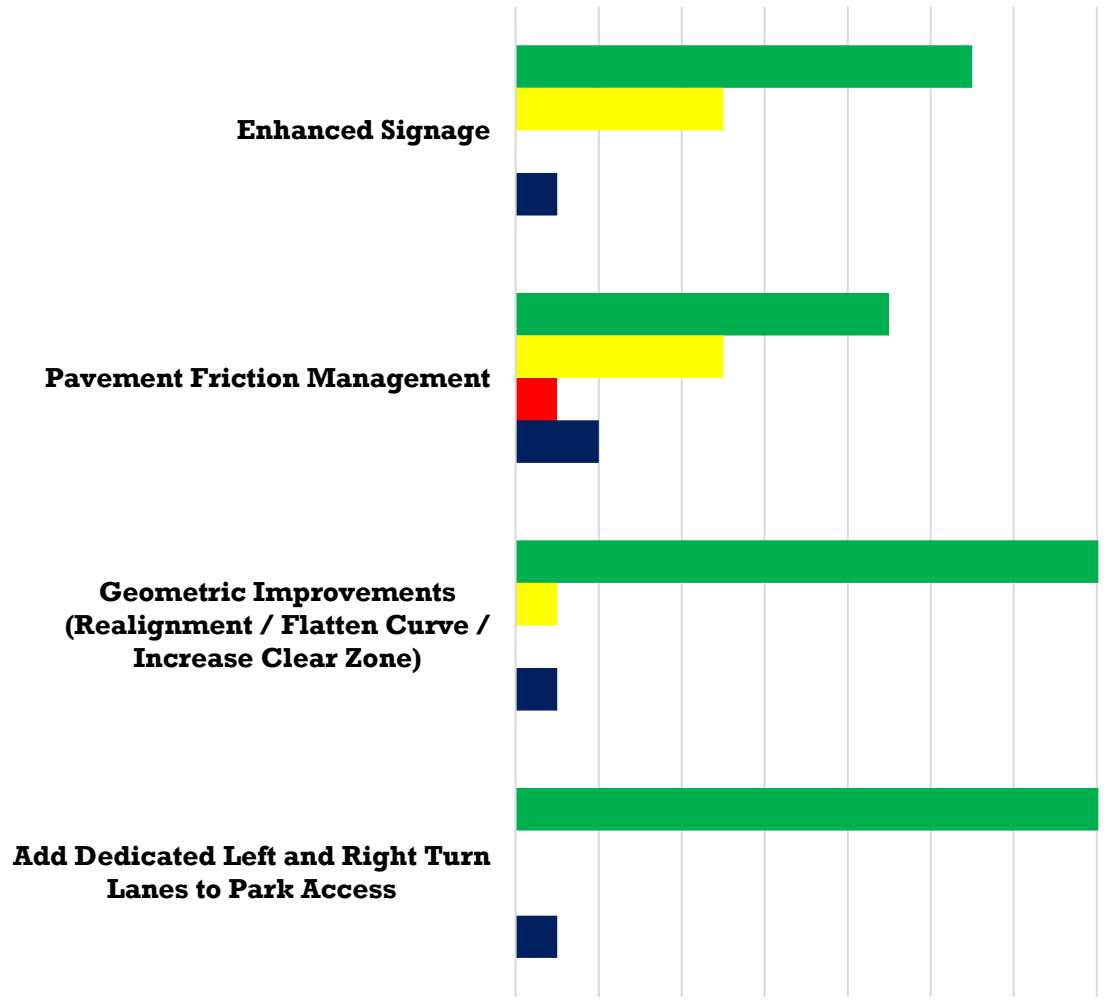
Concept: Add Dedicated Left and Right Turn Lanes to Park Access

Info: 4 of 7 crashes angle or turn-related
FHWA Countermeasure = reductions in all crashes between 28% - 48% for left turn lane installation and 14 - 26% for right turn lane installation



Other:

0 2 4 6 8 10 12 14



Like Neutral Dislike No Answer