

Augustine Cut Off Multimodal Improvements Study, Phase 2

CORRIDOR ALTERNATIVES

80' Average Width of Public Right-of-Way; 25-35 MPH Posted Speed Limit

Criteria	Existing/No Build	Alternative 1 - Continuous Shared Use Path	Alternative 2 - Continuous Two-Way Separated Bike Lane
Roadway Features			
Pedestrian facility type	partial shared use path/ shoulder/ none	<ul style="list-style-type: none"><li>Continuous shared use path on southbound side</li><li>Continuous sidewalk on northbound side</li><li>Walkers comingled with bike traffic along SUP</li><li>Walkers separate from bike traffic along northbound sidewalk</li></ul>	<ul style="list-style-type: none"><li>Continuous sidewalks both sides</li><li>Walkers separate from bike traffic</li></ul>
Bicycle facility type	partial shared use path/shoulder/on-road high-stress	continuous shared use path on southbound side low-stress	continuous 2-way separated bike lane on southbound side low-stress
Travel lane width	12'	11'	11'
Shoulder width	varies 0-15'	2'	varies 1'-5'
On-street parking	<ul style="list-style-type: none"><li>Both sides north of Alapocas Drive</li><li>Legal parking northbound between Stone Hill Road and Cantera Road</li><li>Regular illegal parking northbound between 18th Street and Stone Hill Road</li></ul>	<ul style="list-style-type: none"><li>No parking north of Alapocas Drive</li><li>Legal parking northbound between 18th Street and Cantera Road</li></ul>	<ul style="list-style-type: none"><li>No parking north of Alapocas Drive</li><li>Legal parking northbound between 18th Street and Cantera Road</li></ul>
Opportunities			
Traffic calming (potential speed reduction)	n/a	yes	yes
Beautification/ landscaping	n/a	yes - landscaped center median	yes - landscaped center median
Pedestrian lighting	n/a	yes	yes
Impacts			
Temporary construction impacts	n/a	minor	moderate
Permanent private property impacts	n/a	minor	moderate
Stormwater management/drainage	n/a	yes - closed section	yes - closed section
Utilities	n/a	minor	minor
Environmental	n/a	none	none
Maintenance/Operations			
Shared Use Path/Sidewalk/Lighting Maintenance	n/a	De/IDOT	De/IDOT
Landcaping Maintenance	n/a	third party maintenance agreement required	third party maintenance agreement required
Emergency Access	drivers pull into shoulder	drivers pull into median	drivers pull into median
Mail/Deliveries/Trash Pickup	accomodated in shoulder	pull to right side of lane	would block motor vehicle traffic
Construction Cost			
Planning level estimate of cost	n/a	high	highest

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INTERSECTION ALTERNATIVES

80' Average Width of Public Right-of-Way; 25-35 MPH Posted Speed Limit

Criteria	Existing/No Build	Alapocas Drive Roundabout	Alapocas Drive Signal Upgrade
Roadway Features			
Accommodations for bicycles	on road in travel lanes/some shoulders	crosswalk, yield condition	crosswalk, signal controlled
Accommodations for pedestrians	none	crosswalk, yield condition	crosswalk, signal controlled
Accommodations for non-motorized devices	partial, signal controlled	crosswalk, yield condition	crosswalk, signal controlled
Opportunities			
Traffic calming (potential speed reduction)	none	yes	none
Beautification/ landscaping	n/a	yes - landscaped center median	none
Pedestrian lighting	n/a	yes	yes
Impacts			
Temporary private property impacts	n/a	minor	minor
Permanent private property impacts	n/a	none	moderate
Stormwater management/drainage	n/a	yes - full curb	yes - full curb
Utilities impacts	n/a	minor	minor
Environmental impacts	n/a	none	potential tree impacts
Maintenance and Operations			
Long-term maintenance requirements	yes	minimal - landscaping	moderate - signal maintenance
Construction Cost			
Planning level estimate of cost	n/a	highest	high