

An aerial photograph showing the intersection of Central Park Road and Riverland Drive. The scene includes a parking lot with several cars, a white building, a grassy area, and a road with a few vehicles. The text 'CENTRAL PARK ROAD AND RIVERLAND DRIVE INTERSECTION IMPROVEMENTS PROJECT' is overlaid in large white letters across the top half of the image.

CENTRAL PARK ROAD AND RIVERLAND DRIVE INTERSECTION IMPROVEMENTS PROJECT

Project Manager: Devri DeToma, P.E.

Council Directive 19-83

At a meeting of County Council held on April 23, 2019, Council voted to allow staff to proceed with 30% plan development on Alternative 1 and 3 to reduce project unknowns in an effort to minimize right of way acquisition...

Steps taken to reduce unknowns...

Reduce Lane Widths

Develop Drainage Plan

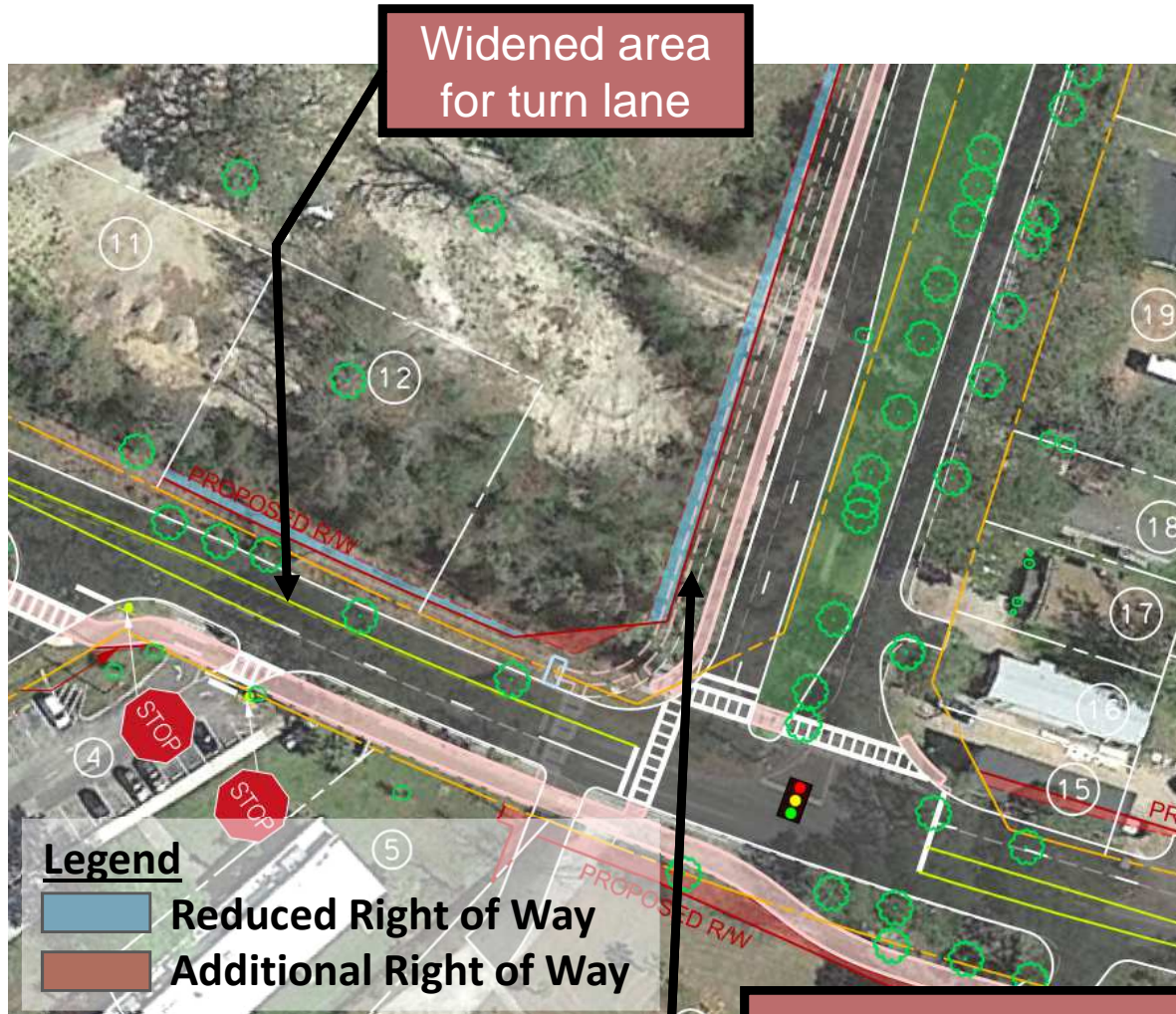
Coordinate with Utilities

Coordinate with SCDOT

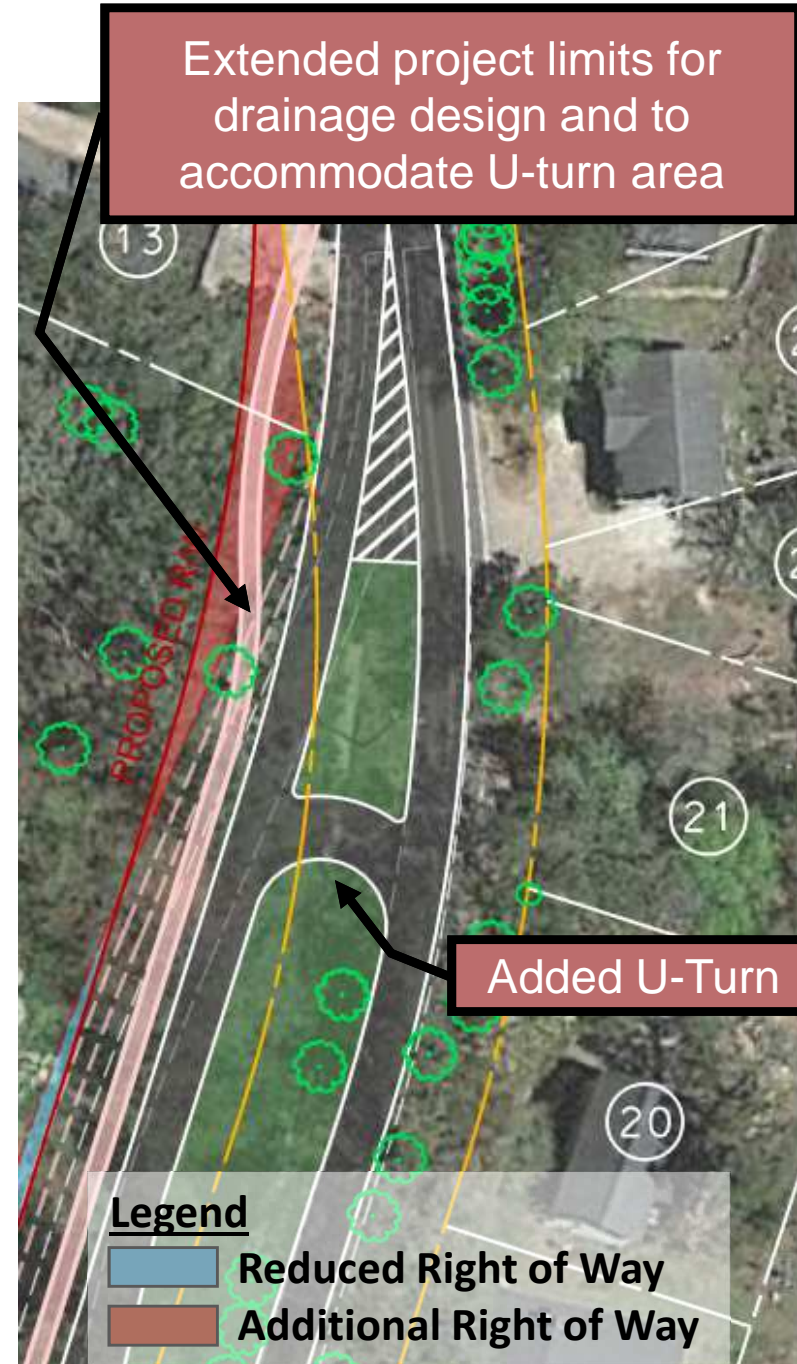
Refine Shared Use Path

Refine Right of Way Needed

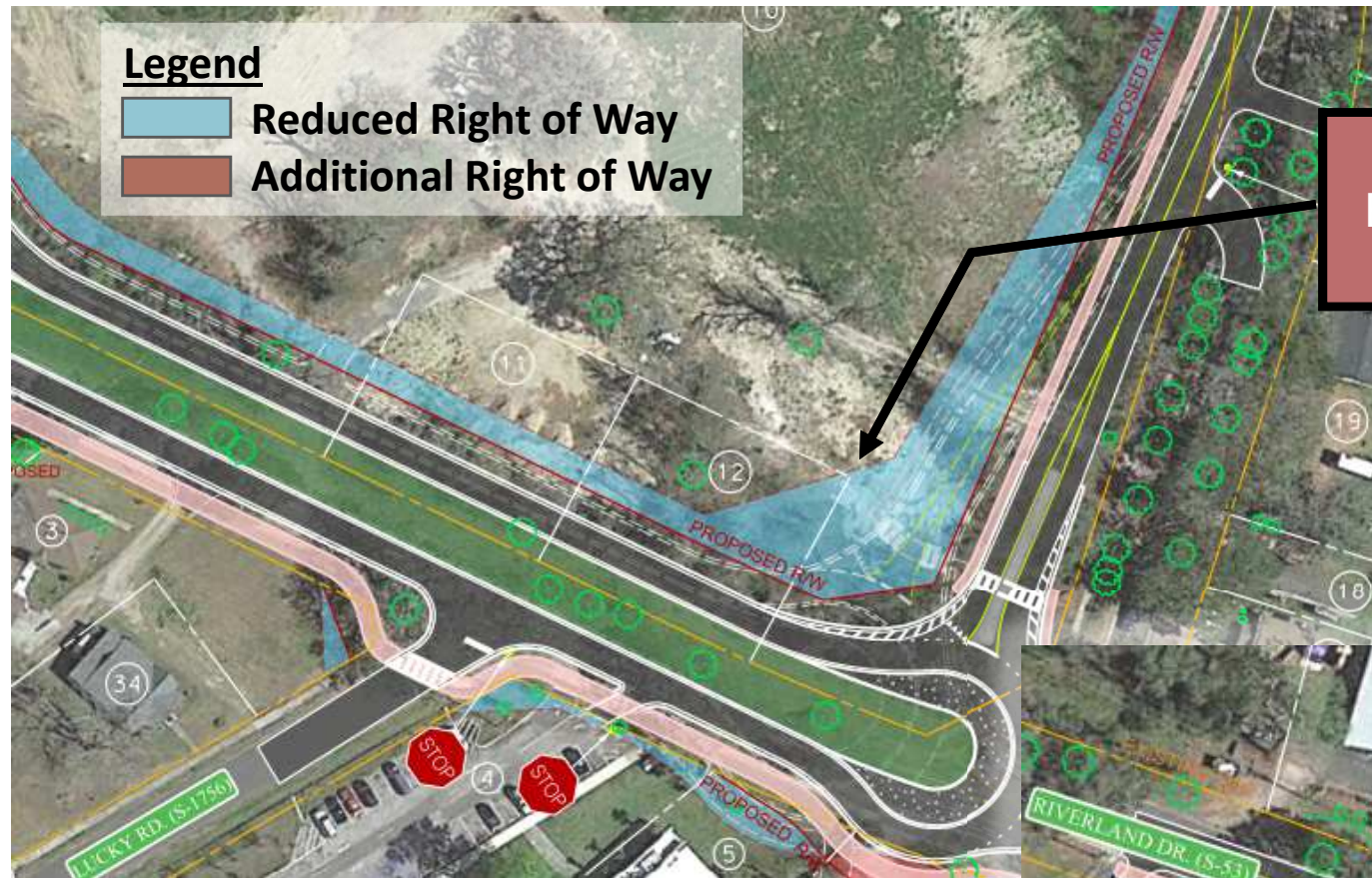
Alternative 1 at 30% Design



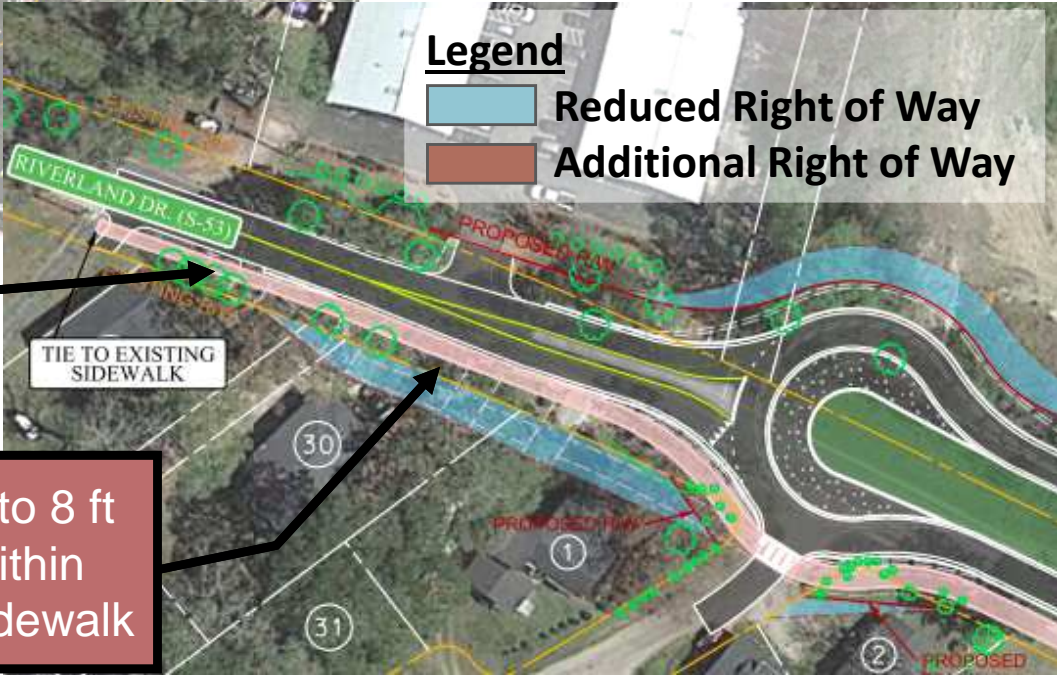
Shifted road/sidewalk right to maintain proposed right of way and add drainage ditch



Alternative 3 at 30% Design



Shifted RAB to minimize RW impacts/reduced lane widths



Reduced path to 6 ft

Reduced path to 8 ft and shifted within ROW/behind sidewalk

Comparison

	Alternative 1 Concept	Alternative 1 30%	Alternative 3 Concept	Alternative 3 30%
RIGHT OF WAY	Parcels: 9 Area: 0.7 Acres Displacements: 1	Parcels: 12 Area: 0.7 Acres Displacements: 1 Difference: 0.0 acres	Parcels: 14 Area: 2.2 acres Displacements: 0	Parcels: 11 Area: 1.5 acres Displacements: 0 Difference: -0.7 acres
COST	\$4.1 Million	\$4.1 Million	\$4.6 Million	\$4.3 Million

At 30% design, Alternative 3 will require 0.8 more acres in right of way than Alternative 1.

Staff Recommendation

Alternative 1 Split T Signalized	Alternative 3 Elongated Roundabout (RAB)
Has a crash reduction factor of 54% for crashes with injuries	Has a crash reduction factor of 88% for crashes with injuries

CRF is obtained from Federal Highway Administration Crash Modification Clearinghouse www.cmfclearinghouse.com Specific CMF ID's: 206, 210, 7966, 7969.

Staff recommends Alternative 3 because it best meets the purpose of the project.

The purpose of the Central Park Road and Riverland Drive Intersection Improvements Project is to improve safety and traffic flow for all modes of transportation at the intersection of Central Park Road and Riverland Drive while minimizing impacts to grand trees.

Thank You

