



Description

Reconfigure the intersections at Hancock Village Drive / Duckridge Boulevard and Winterpock Road to Restricted Crossing U-Turn intersections. Construct signalized median openings east and west of each intersection to accommodate U-turns. In addition, install crosswalks and median refuge islands at each intersection.

Safety Benefits

- A crash reduction of 35% would be expected by converting the Hancock Village Drive / Duckridge Boulevard intersection to a RCUT.
- A crash reduction of 35% would be expected by converting the Winterpock Road intersection to a RCUT.
- Accessible north/south pedestrian crossings.

Traffic Operations Benefits

Hancock Village Drive / Duckridge Boulevard

Overall Intersection Delay	AM Peak Hour	PM Peak Hour
Existing	12.2 (LOS B)	17.9 (LOS B)
2040 No-Build	21.9 (LOS C)	40.9 (LOS D)
2040 Build	18.9 (LOS B)	29.5 (LOS C)

Winterpock Road

Overall Intersection Delay	AM Peak Hour	PM Peak Hour
Existing	23.8 (LOS C)	45.5 (LOS D)
2040 No-Build	113.8 (LOS F)	134.9 (LOS B)
2040 Build	37.5 (LOS D)	25.7 (LOS C)

Cost

Preliminary Engineering	\$2,260,000
Right of Way and Utility Relocation	\$355,000
Construction	\$11,005,000
Total	\$13,620,000