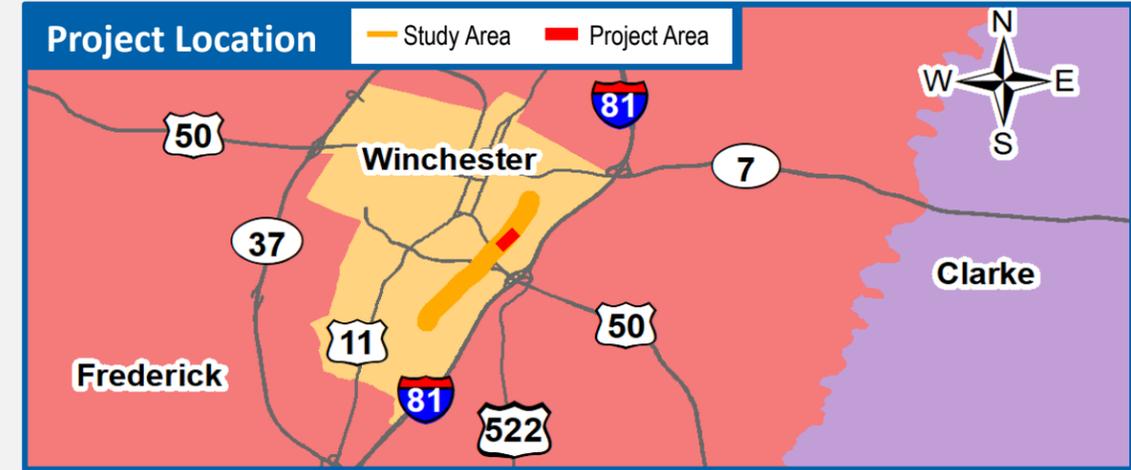
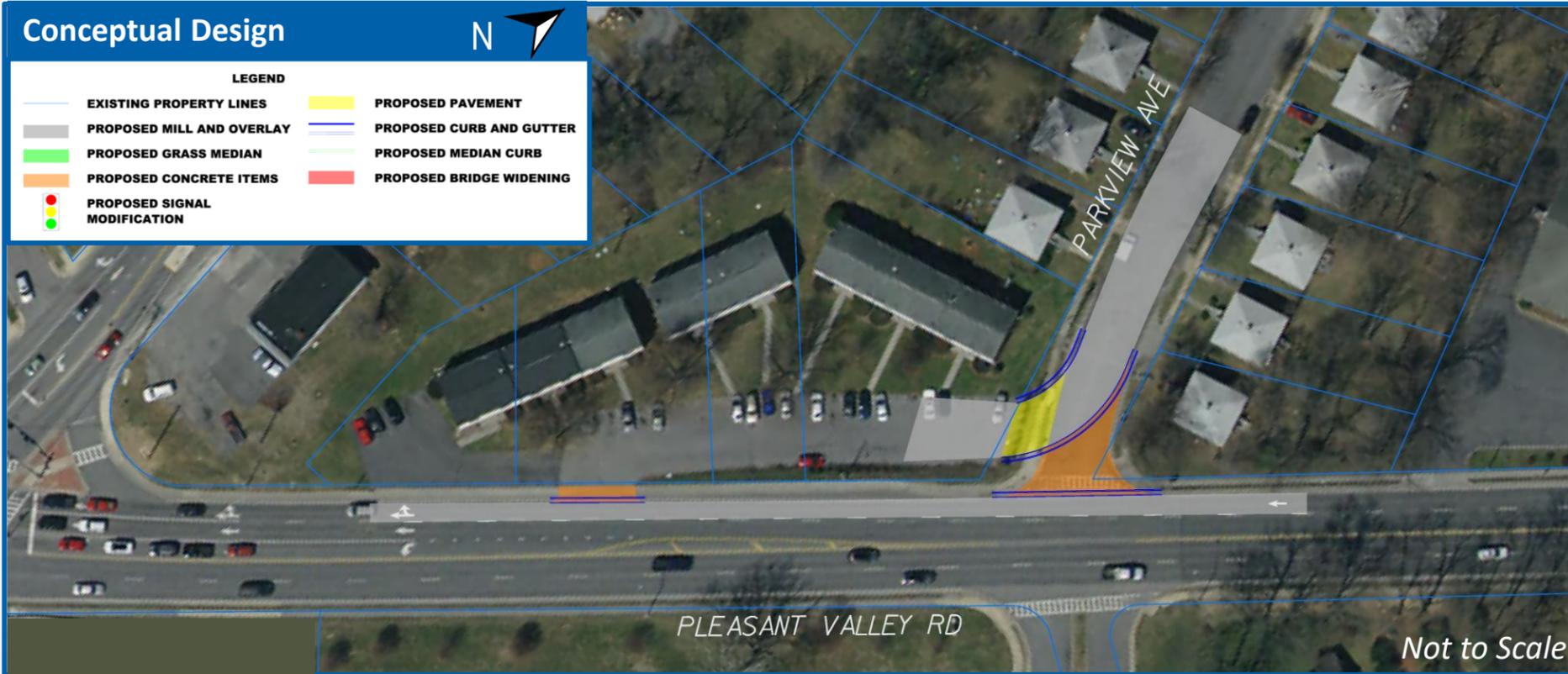


Improvement #4: Parkview Avenue and Pleasant Valley Road

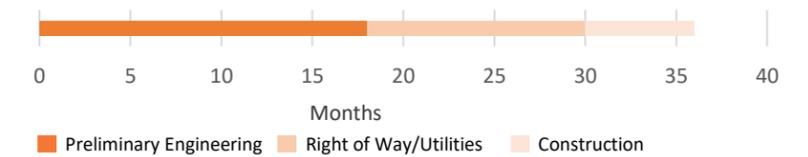
Restrict Eastbound Access from Parkview Avenue to Pleasant Valley Road



Project Schedule & Preliminary Cost

Project schedules and cost estimate were developed based on information available at the time of study and should be reassessed prior to submitting funding applications.

Schedule:



Cost:

Phase	Cost Estimate (2020 Dollars)
Preliminary Engineering	\$300,000
ROW and Utility Relocation	\$170,000
Construction	\$730,000
Total Cost	\$1,200,000

Operations and Safety Improvements

The following recommendations are projected to improve operations and/or safety along Pleasant Valley Road.

Parkview Avenue and Pleasant Valley Road

- Improvement 4: Restrict Eastbound Access**
 - ✓ Fifty (50) intersection conflict points removed
 - ✓ Five-year EPDO crashes reduced by 23
 - ✓ Westbound Parkview Avenue movement improves from LOS C to LOS B
 - ✓ Intersection spacing adjusted to meet VDOT recommended spacing

Safety Results

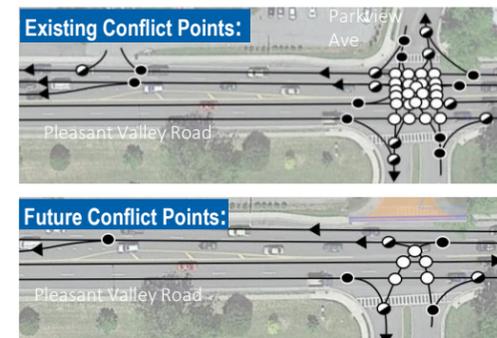
Crash modification factors (CMFs) were chosen to project the reduction in all severity crashes weighted to equivalent property damage only (EPDO) crashes.

2014-2019* EPDO	CMF	EPDO Reduction
78	Reduce Driveway Density – Eliminate/Close (0.70)	23

* 2019 VDOT crash data was available through July 30, 2019

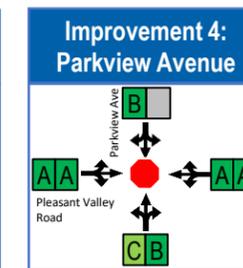
Conflict points count the relative risk associated with vehicle interactions. Conflict point reduction is a metric used by VDOT to quantify safety improvements. Crossing conflict points are weighted twice as much as diverging and merging conflict points.

Conflict Point	Existing	Future
● Diverging (x1):	10	4
● Merging (x1):	9	3
○ Crossing (x2):	24	5
Count Total:	43	12
Weight Total:	67	17
Weighted Conflict Point Reduction:		50



Traffic Operations Results

Approach LOS: A B C D E F | No-Build | Build



Access Management

Recommended VDOT spacing between Unsignalized Intersection/Full Median Crossover and Signalized Intersection/Unsignalized Intersection/Full Median Crossover is **1,050 ft**.

Existing intersection spacing:

- Millwood Ave to Parkview Ave = 640* ft
- Parkview Ave to Hollingsworth Dr = 615* ft

* Existing spacing does not meet VDOT guideline recommendations