

Woodbourne Rd and Swift Rd/Lower Silver Lake Intersection Improvements

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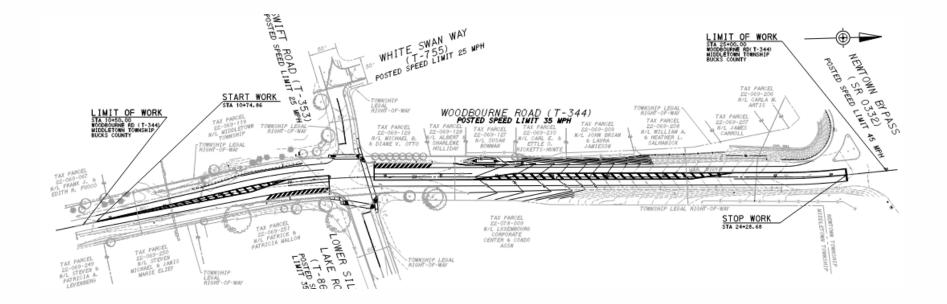


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» Project Overview

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Project Overview



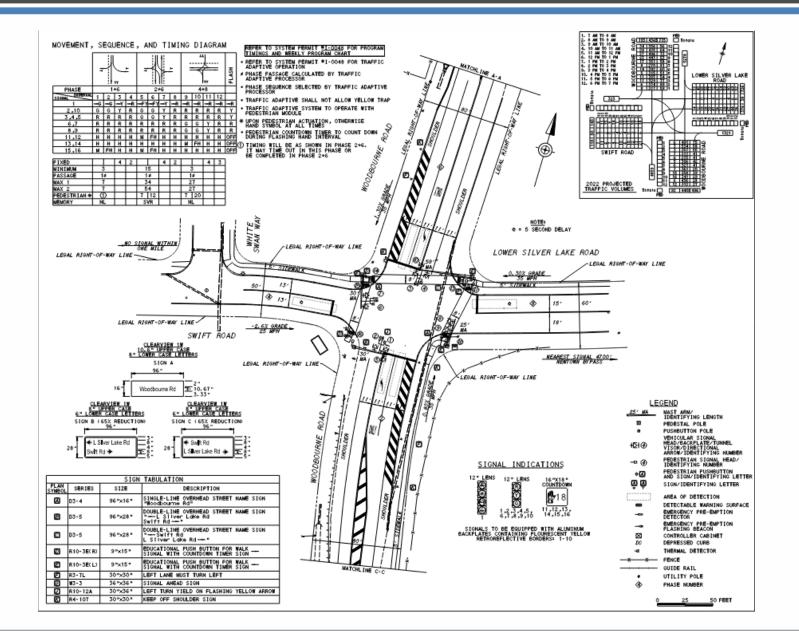
» Roadway Improvements:

- Widening for left turn lanes
- Improved drainage
- Upgrade guiderail to current standards

» Signal Installation

- Adaptive system, ties into Bypass only
- Pedestrian crossings
- Southbound left turn arrow on Lower Silver Lake Rd

Current Design



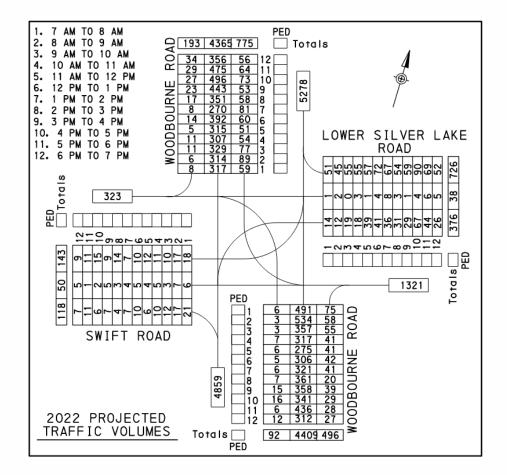
Study Findings

» Study Findings

- Signal was warranted by volume and speed in 2018 and 2022
 - Side Street Volume threshold is 60 vehicles.
 - Speed study:
 - 85th Percentile 46 mph NB, 44 mph SB
- Crash history was not reason for improvements
 - 19 years of crash history showed six moderate or significant accidents. Per PennDOT and industry standards, improvements are warranted based on crash history when there are five or more moderate or significant accidents occur that are correctable.

Study Findings

» Traffic Volumes



- » Initial Complaint Made: Winter Fall 2017
- » Intersection Review Study: February 2018
- » Conceptual Plans Developed: February 2019
- » Field Survey: Spring 2021
- » Preliminary Design: Spring 2021
- » PennDOT Approval on Preliminary Design: Summer 2021
- » Final Design: Spring 2022
- » Bid Documents Summer 2022

- » Solicit additional feedback and modify plan if necessary.
- » Finalize Bid documents and solicit bids
- » Begin Construction
- » Complete Construction
- » Monitor operation of Signal
 - Make timing modifications if necessary.



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