SR 0422 CORRIDOR SAFETY IMPROVEMENT PROJECT

SR 0422 & NORTH LOCUST STREET INTERSECTION

Project Information

This project is located in both Jackson Township and Myerstown Borough in Lebanon County. It extends along SR 0422 (Lincoln Avenue) from 500 feet west of SR 0645 (North Locust Street) in Jackson Township to T-644 (Martin Road) in Jackson Township, passing through Myerstown Borough.

The purpose of the project is to provide a series of improvements that will cumulatively improve traffic operations and safety along this section of the SR 0422 corridor. Crash rates along this section of SR 0422 are higher than the statewide average and have been rising. A large portion of these crashes have occurred at North Railroad Street. As a result, PennDOT had completed a Road Safety Audit and identified nearly fifty improvement strategies that were to be considered. These strategies ranged from additional studies to full traffic signal upgrades. Moving ahead, the current design team reviewed and vetted these strategies and are proposing the improvements as shown on the three exhibits:

1. ***Intersection of SR 422 and SR 645 (North Locust Street)***
2. ***Intersection of SR 422 and SR 501 (North College Street) and North Railroad Street***
3. ***SR 422 from North Railroad Street to Martin Road.***

Safety Improvements

A majority of the improvements proposed within the corridor are concentrated at the signalized intersections along SR 0422:

- SR 0645 (North Locust Street),
- SR 0501 (North College Street) including North Railroad Street,
- Dutchway Drive.

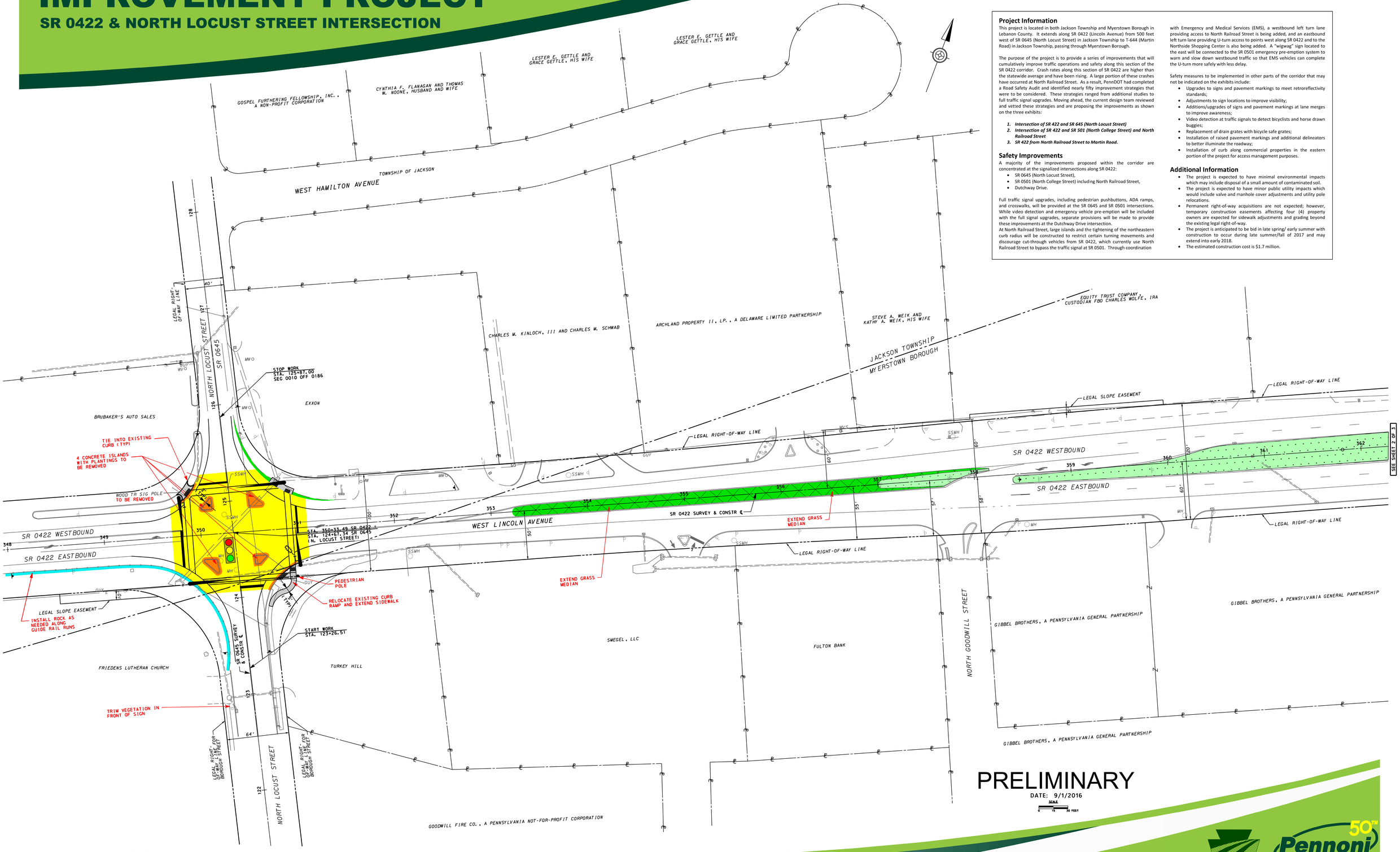
Full traffic signal upgrades, including pedestrian pushbuttons, ADA ramps, and crosswalks, will be provided at the SR 0645 and SR 0501 intersections. While video detection and emergency vehicle pre-emption will be included with the full signal upgrades, separate provisions will be made to provide these improvements at the Dutchway Drive intersection.
At North Railroad Street, large islands and the tightening of the northeastern curb radius will be constructed to restrict certain turning movements and discourage cut-through vehicles from SR 0422, which currently use North Railroad Street to bypass the traffic signal at SR 0501. Through coordination with Emergency and Medical Services (EMS), a westbound left turn lane providing access to North Railroad Street is being added, and an eastbound left turn lane providing U-turn access to points west along SR 0422 and to the Northside Shopping Center is also being added. A "wigwag" sign located to the east will be connected to the SR 0501 emergency pre-emption system to warn and slow down westbound traffic so that EMS vehicles can complete the U-turn more safely with less delay.

Safety measures to be implemented in other parts of the corridor that may not be indicated on the exhibits include:

- Upgrades to signs and pavement markings to meet retroreflectivity standards;
- Adjustments to sign locations to improve visibility;
- Additions/upgrades of signs and pavement markings at lane merges to improve awareness;
- Video detection at traffic signals to detect bicyclists and horse drawn buggies;
- Replacement of drain grates with bicycle safe grates;
- Installation of raised pavement markings and additional delineators to better illuminate the roadway;
- Installation of curb along commercial properties in the eastern portion of the project for access management purposes.

Additional Information

- The project is expected to have minimal environmental impacts which may include disposal of a small amount of contaminated soil.
- The project is expected to have minor public utility impacts which would include valve and manhole cover adjustments and utility pole relocations.
- Permanent right-of-way acquisitions are not expected; however, temporary construction easements affecting four (4) property owners are expected for sidewalk adjustments and grading beyond the existing legal right-of-way.
- The project is anticipated to be bid in late spring/ early summer with construction to occur during late summer/fall of 2017 and may extend into early 2018.
- The estimated construction cost is $1.7 million.



LEGEND

- PAVEMENT REMOVAL AND SEEDING
- NEW SEEDING AREA
- FULL DEPTH PAVEMENT
- ROCK, CLASS R-3
- EXISTING GRASS AREA TO REMAIN
- PLAIN CONCRETE
- MILLING & RESURFACING
- NEW TRAFFIC SIGNAL

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PRELIMINARY

DATE: 9/1/2016

SCALE
0 15 30 FEET

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