



Ambridge Borough Merchant Street (SINC-UP) Project Summary

REGIONAL TRAFFIC SIGNAL PROGRAM CYCLE 3

PROJECT LOCATION

Beaver County



SOUTHWESTERN PENNSYLVANIA COMMISSION

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PROJECT PARTNERS

Federal Highway Administration

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Ambridge Borough

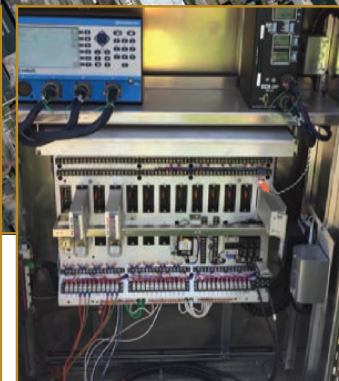
Beaver County

Whitman, Requardt & Associates, LLP





The Southwestern Pennsylvania Commission's (SPC) Regional Traffic Signal Program was established to assist local municipalities with improving traffic signal operations by optimizing signal timings and upgrading existing signal equipment. **The Ambridge Borough Signals In Coordination with Equipment Upgrades (SINC-UP) Project** is a traffic signal project with the goal of optimizing signal operations at intersections along the 8th Street and Merchant St corridors while considering all users of the intersections [See map below for project area].

- 1 Maplewood Ave & 8th St
- 2 Merchant St & 8th St
- 3 Merchant St & 6th St
- 4 Merchant St & 4th St
- 5 Merchant St & 3rd St/Duss Ave

Corridor Length: Approx. 0.60 miles



Due to the low vehicular volume along many of Ambridge Borough's streets, the traffic signals at Merchant St & 6th St and Merchant St & 3rd St/Duss Ave intersections were recommended for removal and replaced with all-way stop control. The remaining signals were upgraded with new controller cabinets, new vehicular signal heads and one-way street signs to meet industry signalization and signing standards.

 <p>9,000 vehicles travel 8th Street on an average day</p>	 <p>4,254 reduced vehicle hours of travel</p>	 <p>Operational Benefit* \$48,406 <small>*reduced travel time, emissions, stops & fuel consumption</small></p>	 <p>Traffic Signal Removal Cost Savings** Approximately \$4,500/year <small>**includes savings on electricity and maintenance costs</small></p>	 <p>Benefit Cost Ratio: 2:1</p>
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