ITC was a subconsultant on a transit signal priority (TSP) study for the North-Atherton Boulevard corridor in State College, PA. It serves as a major transit axis connecting Penn State Campus with several clusters of student housing.

ITC contributed the following parts of the study:

- Developed comprehensive MOEs that reflect the different interests of all stakeholders (transit, traffic, municipalities)
- Built and calibrated a VISSIM micro-simulation model for the existing case, using VISUM as a network generator.
- Developed TSP controller settings for an emulation of the Peek LMD9200 controller using early green and green extension strategies.
- Trained local engineers and stakeholders for a better understanding of what TSP is and how it works.
- Implemented two different base cases (different transit route schemes) and corresponding TSP scenarios.
- Computed MOEs for all scenarios and explaining the effects to the stakeholders.