

# PRE-SCOPING ROADWAY SAFETY EVALUATION

SR: 0039, 0322 and 0422 County: Dauphin Seg/Off: Various

TIS's  
Traffic Studies  
Impact

(89070)

## Roadway Conditions & Problem Statement:

The following intersections are on the top 20 crash list: SR 743/HPD Extension | SR 39/HP entrance | SR 39/Hockersville Rd. | SR 39/Hummelstown | SR 422/University Dr. | SR 322/University Dr. These locations, in addition to others, frequently saturate, especially during Hershey Events. This saturation, coupled with out-of-town driver behavior, exacerbate crash problems. Incident and event management are a challenge in this region, and this year the locals have received significant bad publicity for the congestion issues.

## History/Past Roadway Safety Countermeasures:

The SAMI project a few years ago helped upgrade many signal controllers and masters but stopped short of some potential significant capacity improvements and has been met with several, unsolved technical challenges that compromise the system operation. Since that project, some new signals have been installed on the HPD corridor and Derry Twp. has built a new municipal bldg. Four separate masters have no fiber optic connectivity. Significant bad press for HERCO recently regarding congestion.

## Countermeasures to consider:

Study, along with the Derry Township and HERCO planners, a strategic approach for congestion mitigation and ITS deployment. Study should identify short and long-term projects for the Derry Township region.

Integrate and calibrate an ACS-Lite system, a state-of-the-art traffic-responsive signal system. Also, close the fiber optic loop for connectivity and connect to the Derry Township facilities. Add message boards, closed-circuit TV cameras, and speed monitors (RVD) to the approach roadways as needed. Connect the signal/ITS systems to the District Traffic Unit TMC and website.

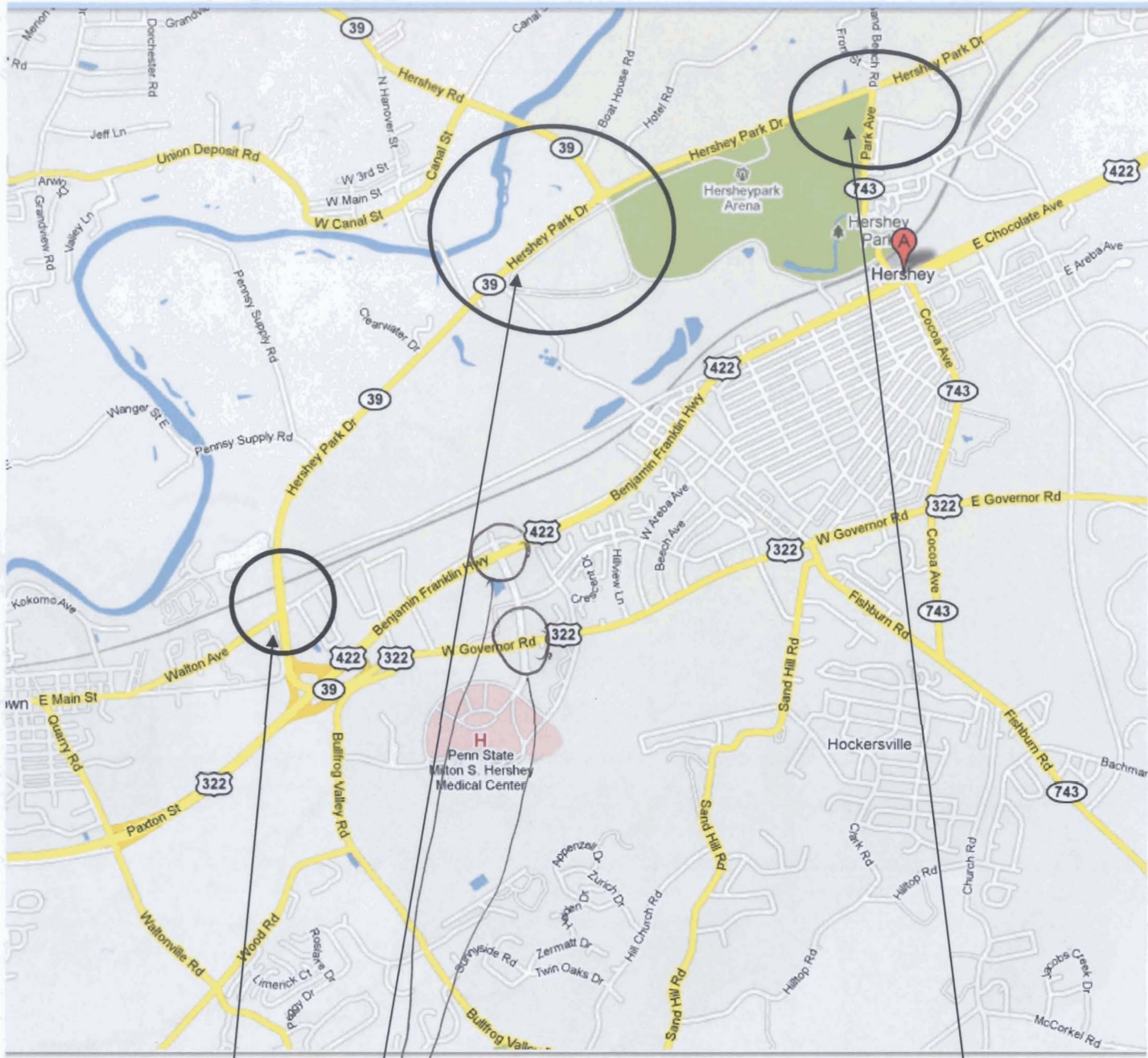
**Issues & Challenges:** Continuous development corrupts traffic data. Stakeholder coordination is key and will need cooperation. Need agreements with stakeholders for shared resources.

**Project Complexity:** Moderately complex study and projects

**Cost Range:** \$400,000 for initial study;  
\$4M+ for PE/FD/Const. with significant opportunity for cost sharing with HERCO, HMC and/or Derry Township

### Confidential—Traffic Engineering And Safety Study

This evaluation is for planning purposes only. A detailed Safety and Engineering Study is needed for this roadway section to determine the feasibility of any countermeasures and roadway improvements. This document is the property of the Commonwealth of Pennsylvania, Department of Transportation. The data and information contained herein are part of a traffic engineering and safety study. This safety study is only provided to those official agencies or persons who have responsibility in the highway transportation system and may only be used by such agencies or persons for traffic safety-related planning or research. The document and information are confidential pursuant to 75 PA. C. S. §3754 and 23 U. S. C. §409 and may not be published, reproduced, released or discussed without the written permission of the Pa Department of Transportation.



Area of Concern: SR 39 from Walton Drive intersection to Hershey Park Dr. & Park Ave. Intersection