Traffic Signal Safety, Standard and ITS Highway Safety Improvement Program (HSIP)

HIGH LEVEL STANDARD OPERATING PROCEDURES (SOP)

- Staff updates the Crash Database (TARAS) by regularly downloading crash information from the Metropolitan Police Department's crash database.
- Staff compiles data and performs crash data analysis.
- Staff develops a combined index for fatality, injury and property damage.
  - The Kentucky Transportation Center Research Report KTC-97-13 and other reports such as the FHWA Desktop Reference for Crash – Reduction Factors (2008) are used as a guide in performing the analysis and developing the final report.
- Staff ranks crash sites based on combined index.
- Staff calculates crash cost for each site.
- Staff prioritizes locations (high hazard) based on crash cost.
- Staff selects the top 50 to 70 locations (high hazard).
- Staff develops a Scope of Work for Consultant to do a detail safety study for the top 50 to 70 locations (high hazard).
- Staff works with the Consultant to identify countermeasures to address the safety hazards and then calculates improvement cost for each location
- Staff develops a construction package for bid to address the countermeasures chosen for each location.
- Office of Contracting and Procurement awards bid
- Staff manages Safety Improvement Projects.