**QUARTERLY PROGRESS REPORT**

**July through September 2023**

**Improving Traffic Detection Through New Innovative i-LST Technology Demonstration Pilot**

FHWA Pooled Fund Study # TPF-5(520)

Submitted by:

FHWA

**WORK CONDUCTED THIS QUARTER**

* SOW draft completed
* Agenda set for TAC meetings

**WORK PLANNED FOR NEXT QUARTER**

* Work on SOW refinement.
* Seek more TAC members.
* Conduct briefings for agencies.
* Write write-up for session at ICWIM9 covering re-id and loop signature value.

**SIGNIFICANT ISSUES**

* **Complication with ITS sites:** The team has devoted significant time to reviewing ITS sites which have turned out to be inadequate as benchmark sites. Many ITS sites reviewed by the project team as possible benchmark sites either have incomplete or inaccurate location data. Further, some of these ITS sites are not monitoring all lanes (like not monitoring acceleration, deceleration, or auxiliary lanes), which eliminates their use as a benchmark site.