
ENTERPRISE- PHASE 3

Scope of Work- Continued:

Communication Future - Phase 1

Radio was discovered in the late 1800's and then the complexity increased from Morse code to transmitting Television by the 1950's, then came radio satellite and now there is fiber optics. Fiber optics was created in R&D in the 1970's and subtract the 20 years to get it to market and that makes Fiber 30 years old; relatively young compared to how long radio evolved. However, there are new technologies being discovered in R&D now. Possibly a synthesis project. Break project into smaller parts – lit review and/or survey to startups/universities.

Quick Connect DMS Replacement

DMS have a life cycle that is shorter than the Dill Shaft and Column its mounted on. How can the replacement process become faster and more standardized such that it doesn't require structural engineering, but rather becomes a plug and play device?

Administration of Communications – Phase 2

Building on Phase 1, explore the wider adoption of a statewide communications network to reduce duplication of efforts. Recommendations to administration to consider options for a statewide communications network.

Analysis of the Benefits of Connected Street Lighting

Street lighting offers the opportunity to leverage regularly distanced, powered infrastructure at varying heights. Some places, such as Los Angeles, are deploying systems with network connectivity to perform remote asset management and control. Some vendors propose going further and offering Wi-Fi access for the traveling public and offering data streams and other services (such as location services) to connected and autonomous vehicles. This work would explore the state of the art of reimagining the use of streetlights and catalog use cases and proposed use cases of streetlights being used to enable TSMO and Smart City applications and cooperative automation. Project would also look at associated costs for the states.

Communication Future - Phase 2

Continuing from Phase 1, develop a ConOps of applicability to transportation network.
