



City of Maricopa

Legislation Text

File #: IGA 18-04, **Version:** 1

The Mayor and City Council shall discuss and possibly take action to enter into an Intergovernmental Agreement (IGA) with Arizona State University (ASU) to assist with pavement evaluation and management practices in the City. Discussion and Action.

One of the City of Maricopa's most valuable assets is its roadway network. Pavement evaluation and short and long range planning are required to ensure preventative and corrective maintenance of pavement remain at manageable levels. As our roadway network grows, it is also aging. Pavement designs have a life cycle of 20 years based traffic volumes, traffic-loading types, climate and other factors. Since these factors change, pavement management becomes very dynamic and has many inputs to predict behavior. The Public Works Department purposes to leverage resources provided by the Arizona State University School of Sustainability for the creation of a pavement condition index (PCI) and pavement management system (PMS). Tasks related to its development include data collection through visual observation, testing of asphalt samples, data entry, and analysis. The result will be a more science-based approach to planning short and long-range asphalt maintenance.

The Scope of Work described in the IGA as follows:

1. Develop a sampling and testing plan for typical City of Maricopa asphalt mixtures to characterize their engineering properties, assess the quality of asphalt mixtures currently used by the City, and to identify whether improvements to mixture designs are warranted. The plan may include sampling three to six mixtures per year over the next five years
2. Provide pavement management services support in implementing the City's current pavement management system including road condition data collection and developing road maintenance programs to address current and future needs. ASU will assist the City in developing multi-year maintenance programs, identify areas and maintenance practices that need improvement, develop future data collection plans, and prepare any needed maps, summary reports, or presentations of the findings.

This item will be presented by Public Works Director/City Engineer William P. Fay.

Staff recommends Mayor and City Council enter into an Intergovernmental Agreement with Arizona State University to assist with pavement evaluation and management practices in the City.