



City of Apache Junction

Home of the Superstition Mountains

DATE: MAY 5, 2025

TO: HONORABLE MAYOR AND CITY COUNCILMEMBERS

FROM: JOSEPH C KLINER, GIS ADMINISTRATOR

THROUGH: BRYANT POWELL, CITY MANAGER

SUBJECT: CONTRIBUTION TO THE MAINTENANCE OF THE ARIZONA CONTINUOUSLY OPERATING REFERENCE STATION "AZCORS" PROGRAM

A continuously operating reference station "CORS" is a permanent site that users can access to receive highly accurate real-time coordinate information over the internet. The equipment at one of these sites consists of a mounting pole, GPS receiver, GPS antenna, cellular router and other associated electronics. Arizona Department of Water Resources "ADWR" manages and operates the AZCORS program that consists of 36 State-managed sites and 15 sites managed and operated by EarthScope and the National Parks Service for a total of 51 CORS sites.

Staff has been utilizing AZCORS since 2020 and it is a critical component of Apache Junction's GIS data collecting efforts. Over the last year ADWR has worked to construct new AZCORS sites and replace outdated equipment to improve network stability for its users. This Intergovernmental Agreement "IGA" with ADWR provides that the City will contribute \$5000 annually to support the AZCORS program. With that the City will have access to the AZCORS network and receive technical support on data related issues.

Staff respectfully request that the council approve Resolution No. 25-08, authorizing the City Manager to sign the IGA with Arizona Department of Water Resources.