MEMORANDUM

TO: Public Works Committee
FROM: Patsy Horton, Division Manager
DATE: October 25, 2017
RE: 17TP032 - Request for Proposals for Digital GIS Base Map Development Services

Staff requests City Council authorization to advertise a request for proposals to update the existing aerial photography and building footprints, during the spring of 2018 for areas inside the Rapid City Area Metropolitan Planning Organization (RCMPO) and developing areas in Pennington County. Nearly 82% of the funding for the areas inside the RCMPO are federally funded. The balance of the estimated $120,000 budget for the project will come from funds currently identified in the 2018 GIS Division budget. The RFP is expected to be released in early November 2017.

The previous ortho photography was collected in the spring of 2015 using LIDAR, a much more accurate process, and was based on the new vertical datum of 1988. This brought our data in line with the vertical datum used by federal and South Dakota state governments, including the digital FEMA flood plain data the City adopted in 2013.

It is expected that the photography will be collected during April or May of 2018 when conditions are optimal for high quality images. During these months, the sun angle, leaf-off conditions of the trees, and lack of snow cover provide the best combination of conditions for our area.

**Recommendation:** Authorize staff to advertise a Digital GIS Base Map Development Services Request for Proposals to acquire aerial photography and building footprints, with minor language modifications as necessary.