



Engineering Department

DATE: May 18, 2021

FROM: Gabe Schell, City Engineer

ITEM: Memorandum of Agreement – Bismarck State College

REQUEST

Consider approval of Memorandum of Agreement (MOA) with Bismarck State College (BSC) for the Bismarck Base Station (BSMK) with respect to the global positioning system (GPS) community base station on the BSC campus.

Please place this item on the 5/25/2021 City Commission meeting agenda.

BACKGROUND INFORMATION

The BSMK base station collects and shares GPS derived surveying grade positional information from the U.S. Global Positioning Satellite System which is then used for differential correction of GPS collected land surveying data. Differential correction techniques are used to enhance the quality of location data gathered using GPS receivers and to provide for the attainment of one-centimeter level accuracy horizontally and two centimeters vertically. The station has a 20-mile radius and is heavily relied upon by the City of Bismarck Engineering Department; local professional land surveying community; and the City of Mandan and Burleigh and Morton Counties. The City of Bismarck has been responsible for maintenance of the station through a Joint Powers Agreement with the North Dakota Geological Society since 2019. The City of Bismarck has gained access to the station through the NDGS's agreement with BSC. The proposed MOU with BSC allows the GPS station to remain as currently configured/constructed at Schafer Hall though at least December 31, 2025.

RECOMMENDED CITY COMMISSION ACTION

Approval of the Memorandum of Agreement with Bismarck State College.

STAFF CONTACT INFORMATION

Gabe Schell, PE | City Engineer, 355-1505 or gschell@bismarcknd.gov

Memorandum of Agreement

THIS AGREEMENT is made this ____ day of _____, 20____, by and between the City of Bismarck, hereinafter "CITY" and Bismarck State College, hereinafter "BSC" with respect to the global positioning system community base station on the Bismarck State College campus, hereinafter "the GPS Station."

WHEREAS, the GPS Station has been housed on and in Schafer Hall at BSC since 1993;

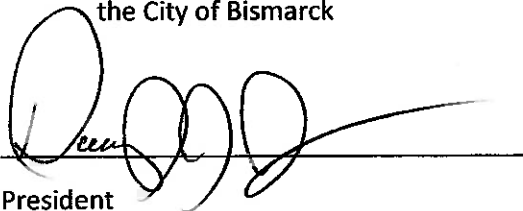
WHEREAS, on August 26, 2019 the receiver was replaced with new equipment using the balance of the North Dakota Department of Mineral Resources – Geological Survey GPS fund and \$8,700 in donations from the local surveying and engineering community; At that time the CITY took over the maintenance and operations of the GPS Station.

THEREFORE, this Memorandum of Agreement is made between BSC and CITY as a means of acknowledging the benefit to the surrounding community of maintaining the GPS station at the BSC through December 31, 2025.

POINTS OF AGREEMENT:

- 1) BSC agrees to allow the GPS Station to remain as currently configured/constructed at Schafer Hall through at least December 31, 2025
- 2) BSC agrees to Permit only authorized staff access to the station components at the direction of

the City of Bismarck



President

Bismarck State College

President

City of Bismarck Board of City Commissioners

4-28-21

Date

Date