

**REQUEST FOR PROPOSAL**  
**PROFESSIONAL ENGINEERING SERVICES**

**Preliminary alternate solutions for flood control between Highway 30 and outlet  
on Pipestone County Judicial Ditch No. 1, within the City of Pipestone.**

Pipestone County requests proposals and qualifications from your firm related to preliminary alternate solutions for flood control between Highway 30 and the outlet of Pipestone County Judicial Ditch No. 1, within the City of Pipestone.

**Engineering tasks related to this project include:**

- Review and analysis of existing storm sewer flood gates along Judicial Ditch No. 1 for performance upgrades to minimize street flooding.
- Hydraulic analyses and conceptual designs for plans that would help mitigate existing flooding. Conceptual designs shall include but are not limited to: improvements to existing channel, a bypass/overflow channel, retention/detention projects, and wetlands restoration.
- An estimated cost of the acquisition/relocation of commercial and residential structures within the 100-year floodplain (“buy-outs”).
- Prepare construction cost estimates for all conceptual designs and rank them vs. the “buy-out” option based on a cost-benefit analysis.

**Materials available for this project are:**

- 1985 Hydrology Analysis and Preliminary Alternates report
- 1995 Section 205 Reconnaissance Study
- 1995 Technical Assistance Report
- 1987 Flood Insurance Study – Draft
- 1990 Local Water Plan
- 1995 Hydrologic Analysis – Low Cost Flood Warning System
- Pictures and aerial videos from recent flooding
- Electronic copies of original ditch map / plans
- Construction Plans:
  - 1977 – Hiawatha Ave North
  - 1979 – NE Area Revitalization Project
  - 1983 – 7<sup>th</sup> Ave NE
  - 1985 – 7<sup>th</sup> St NE
  - 2006 – Utility Improvements

- 2019 survey cross sections of ditch from Hiawatha Ave. to outlet
- Bridge construction plans, inspection reports, and additional data for bridges 59513 (9<sup>th</sup> St NE) and 59523 (Hiawatha Ave)
- Flood Insurance Rate maps
- Flood Insurance Study from 1991 (this has main ditch profiles and elevation reference marks at 10 locations)
- USGS flood gage data on Hwy 23 bridge with tied previous flood elevation data
- Lidar data
- DRAFT updated flood maps from the DNR

**RFP & Qualifications:**

Based on the information and requested tasks listed above, please provide:

- Examples of similar projects that you have experience with.
- A list of the rates/fees that you would charge for this project.
- Estimated time necessary to complete this project after Notice to Proceed.
- Any other qualifications etc. that you feel are important to this type of project.

Proposals are to be submitted by mail or email to Nick Bergman, Pipestone County Highway Engineer, by October, 8<sup>th</sup>, 2020.

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