SF 154 – CHIEF AUTHOR SEN. KLEIN

DRINKING WATER INFRASTRUCTURE ($3,000,000 REQUESTED)

CITY OF SOUTH ST. PAUL

- TARGETED WATER MAIN REPLACEMENT (EST. **$4,315,000**)
  - 61% of the City's Watermain is comprised of cast iron pipe which has been in service for between 70 to 110 years.
    - 65% of this system is watermain of 6" in diameter or less
    - C.I.P. more susceptible to breakage and corrosion
    - Mineral deposit further restricts water flow through this main
    - Systemwide, we are facing estimated replacement costs of more than $64M for over 60 miles of watermain
    - Due to pipe size and condition, our system runs minimum pressures of 42 PSI in our low-pressure areas, which means it's moving water at about 20% below the industry standard for minimum pressure
- WATERMAIN CROSSING - I-494 AT 9TH AVENUE (EST. **$1,100,000**)
  - MnDOT reported 2021 daily traffic volumes of between 100,000 to 110,000 just west of this location
  - Project would replace undersized main with industry standard 8" main, loop main on each side of I-494, and abandon 4 existing crossings
  - Reduces the risk of water main break within the I-494 right-of-way
  - Increases the reliability and capacity of water service for existing residential areas
- CONTROL VALVE IMPROVEMENTS (EST. **$1,275,000**)
  - Coupled w/ undersized/underperforming watermain, lack of pressure control causes service challenges, fire flow concerns, and watermain breaks throughout system
  - Enhance the ability to move water from high to low pressure zones under high demand conditions
  - Improve operation and distribution of water to 9th Ave. Reservoir
  - Improve ability to deliver Well #1 water into LPZ
  - Improve ability to balance delivery between towers serving HPZ