

# Trunk Highway 100

Progressive Consulting Engineers, Inc. (PCE) worked with Stragar, Roscoe, Fausch (SRF) on Stage III of the TH 100 project for the Minnesota Department of Transportation.

The project included grading, bituminous and concrete surfacing of TH 100.

PCE designed the watermain which ranged in size up to 24" in diameter and sanitary sewer for this project. PCE worked closely with the SRF staff and the City of Golden Valley Engineering Department. A large number of watermain and sanitary sewer sections are located in this 1.5 mile stretch of TH 100 from Glenwood Avenue to Duluth Street in Golden Valley.

The City of Golden Valley was concerned with maintaining looping in the water distribution system. The final design of the watermain included many crossings under TH 100 and TH 55 to provide looping. The watermain under these highways was encased. Due to project staging, many of these casings were directionally bored.

The sanitary sewer design also included encased piping. PCE's design also included the necessary service connections for residents along TH 100 as well as services for publicly owned parcels, which may be sold by MNDOT.

The main challenge involved with this project was coordinating these utilities with the other features involved in construction. Accommodation of noise wall footings, bridge abutments, large storm pipes, drainage ponds, other utilities, and retaining walls was a major factor in PCE's design.

**Client: Minnesota Department of Transportation/SRF Consulting Group**

**Client Contact: Rick Brown**

**Construction Year: 1998**

**Project Cost: \$40,000**



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