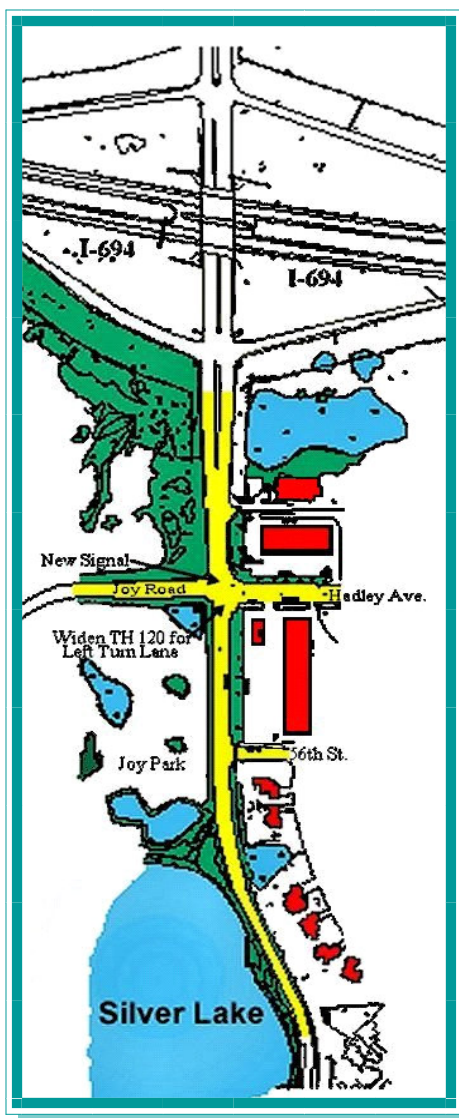


Trunk Highway 120

The Minnesota Department of Transportation, Metro Division selected Progressive Consulting Engineers, Inc. (PCE) to prepare the preliminary design package for a one-quarter mile stretch of TH 120 (Century Avenue) from the I-694 Interchange south to the Joy Road and Hadley Avenue intersection in Oakdale, Maplewood, and North St. Paul. After successfully completing the preliminary design within budget and on schedule, PCE was retained to prepare the final plans and design documents

TH 120 is located on the border of Washington and Ramsey Counties, which is also the border of Maplewood, Oakdale, and North St. Paul. All of these agencies had unique perspectives and interest in this project. PCE met with each agency to understand their concerns in preparation for a public hearing to obtain the public's comments and concerns.



Hadley Avenue and Joy Road form an intersection with TH 120 within the project limits. This intersection was not signalized and the difficulty of turning from, or crossing, TH 120 caused numerous accidents. With growing traffic volumes in this area, widening, turn lanes, and traffic signals were needed for safety. Hadley Avenue and Joy Road were not aligned with each other.

Challenges on this project included: an aggressive design schedule, protection of Silver Lake and protected wetlands, right-of-way concerns, park land, and large old growth trees overhanging the roadway.

PCE used Geopak[®] and Microstation J[®] for digital design of the roadway.

PCE prepared final plans, specifications and estimates for the project and it was constructed by PCL Contractors at a bid price 7.5% below the engineer's estimate.

Client: MnDOT, Metro Division
Client Contact: Jerome Adams
Construction Year: 2003
Project Cost: \$498,000



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