



2016-905 Northeast Penn Storm Sewer Improvement Project  
PRELIMINARY REPORT OF ENGINEER

To the City Council  
City of Bloomington  
Hennepin County, Minnesota

The undersigned engineer, to whom the following proposed improvements were referred, hereby reports that said improvements are necessary, cost-effective and feasible and should best be made as proposed.

The estimated cost of the entire project is approximately:

Improvements	\$5,300,000
Plus 26% Engineering Costs, Bonds and Legal Fees	<u>\$1,400,000</u>
Total Cost	\$6,700,000

Said improvements consist of constructing an underground stormwater system, associated conveyance pipes, a lift station, and site restoration, all as described in the attached Feasibility Report.

Dated this 21st day of March 2016.

Shelly A. Pederson  
City Engineer  
Registration No. 25463

SAP/jd

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## Preliminary Report / Feasibility Study Northeast Penn Storm Sewer Improvement Project City Project Number 2016-905

### I. Scope of Work

The American Boulevard West and Knox Avenue South intersection experiences frequent, short duration flooding. This project includes constructing an underground stormwater storage system under the future 80-1/2 Street between Morgan Circle and Knox Avenue to help reduce depth, frequency, and duration of flooding while minimizing downstream impacts. New storm sewer mainline pipes will be constructed under American Boulevard from the intersection with Knox Avenue to approximately 200-feet east, as well as under Knox Avenue from the intersection with American Boulevard West to approximately 400-feet south. These new stormwater conveyance pipes will provide opportunity for adjacent properties to improve their drainage and will efficiently convey storm water out of the intersection and into the new underground stormwater storage system. Finally, a new stormwater lift station will be constructed on the west side of the storage system, near Morgan Circle, to discharge the stormwater back into the public storm sewer system under Morgan Circle. This project serves the public portion of the immediate watershed draining to the intersection and is also an integral part of the larger vision for storm water management within this area of the Penn American District.

### II. Project Cost Estimate

The estimated project costs are summarized in the table below:

Construction Costs	\$4,600,000
15% Contingency	\$700,000
26% Design and Project Administration	\$1,400,000
<b>Total</b>	<b>\$6,700,000</b>

### III. Project Funding

The project is being funded with bond proceeds that will be paid back by the Storm Water Utility Fund.

**IV. Special Assessments**

There are no special assessments for this project.

**V. Design and Construction Schedule**

Plans will be designed by a consultant to be selected in April 2016. It is proposed that construction will begin in the spring of 2017 and be mostly completed in the fall of 2017, with the potential of restoration and punchlist items occurring in the spring of 2018.