



FEASIBILITY STUDY – S46

ENGINEERING DEPARTMENT

CITY OF EDINA

SIDEWALK IMPROVEMENTS

XERXES AVENUE SIDEWALK BETWEEN WEST 56TH STREET AND WEST 60TH STREET

MAY 24, 2012

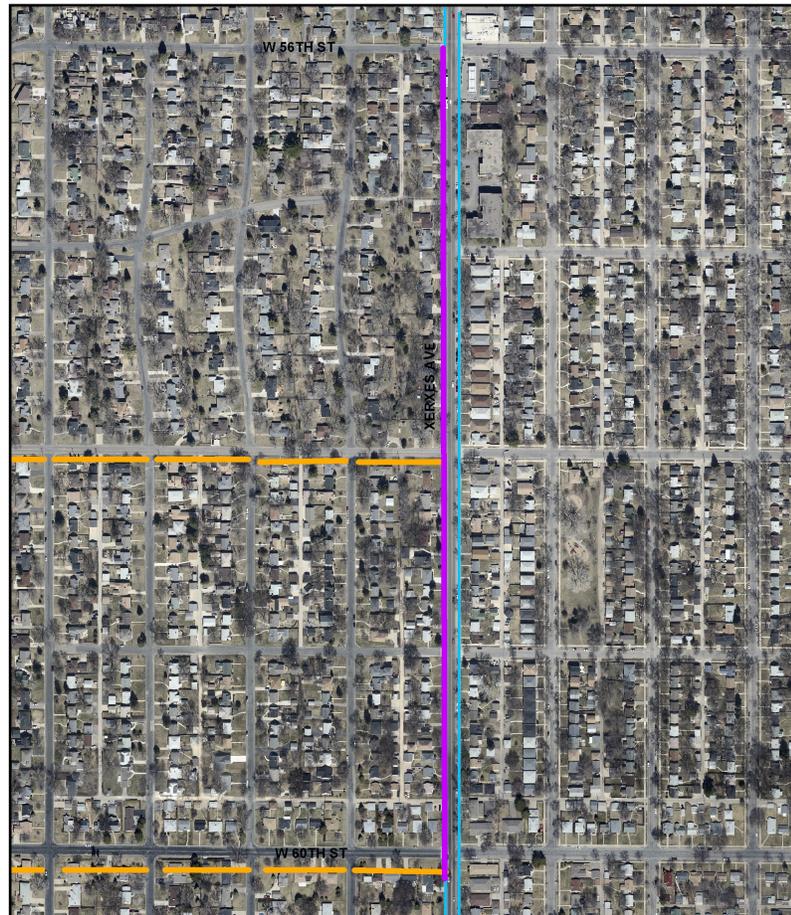
Revised July 15, 2013

SUMMARY:

The estimated total project cost is \$480,000. Funding will be from the Pedestrian and Cyclist Safety (PACS) Fund. A number of engineering challenges exist but these can be overcome during design and construction of the sidewalk. The major challenge is getting assistance from Excel Energy to relocate utility poles. The project could be completed during the 2012 construction season. Staff believes the project is feasible to create a safe pedestrian link along Xerxes Avenue.

LOCATION:

The Xerxes Avenue Sidewalk Project runs along the west side of Xerxes Avenue from 56th Street to 60th Street, a distance of approximately 2500 feet (See Figure 1).



- Project Area
Xerxes Ave Sidewalk
Improvement No: S46
- Existing Bituminous Sidewalk
 - Existing Concrete Sidewalk
 - Proposed State-Aid Sidewalk
 - Proposed Concrete Sidewalk



Engineering Dept
May, 2012

Figure 1. Project Area Map

INITIATION & ISSUES: The City Council directed the Engineering Department to do a feasibility study on the proposed sidewalk along the west side of Xerxes Avenue from 56th Street to 60th Street. The City's 2008 Comprehensive Plan Update has a plan for future sidewalks and bicycle facilities. The proposed sidewalk along Xerxes Avenue is consistent with the Comprehensive Plan. (Attachments A & B).

The following are existing features that were used in determining the feasibility of the project and are addressed in this report:

- Missing segment of sidewalk between 56th Street and 60th Street on west side of Xerxes Avenue
- Existing fences, walls, and out-walk sidewalks
- Right-of-way issues
- Steep slopes
- Existing trees and landscaping
- Safety of residents
- Snow removal
- Existing utility poles located within construction area
- Traffic volume between approximately 8,700 and 15,200 vehicles per day

EXISTING CONDITIONS: The existing roadway is a Hennepin County Roadway (CSAH 31) and is a bituminous surface with concrete curb and gutter, approximately 41 feet wide with a concrete sidewalk that runs the full length on the east side of the roadway. The City of Minneapolis is located along the east side of CSAH 31. The sidewalk on the west extends both north of 56th Street and south of 60th Street along Xerxes Avenue (See Photos 1 and 2).



Photo 1. North of 56th Street on Xerxes Avenue



Photo 2. South of 60th Street on Xerxes Avenue

The existing boulevard along the west side of Xerxes Avenue has locations of steep boulevard grades, concrete stairs and sidewalks, lannon stone and block retaining walls, large mature trees, utility poles, and fire hydrants (See Photos 3, 4, and 5).



Photo 3. 5616 Xerxes Looking South on France Avenue



Photo 4. 5608 Xerxes Avenue looking South



Photo 5. 5740 Xerxes Avenue looking North

**PROPOSED
IMPROVEMENTS:**

The Xerxes Avenue Sidewalk Improvements would consist of a 5 foot wide concrete walk with a 4 foot grass boulevard from 56th Street to 60th Street on the west side of CSAH 31 (See Photo 6). There is existing concrete curb and gutter along Xerxes Avenue and the sidewalk will be constructed with little disturbance to the existing concrete curb and gutter.



Photo 6. Boulevard Style Sidewalk

There are four (4) utility poles that are located within the construction area that may need to be either removed or relocated by Xcel Energy. In a few select cases, the sidewalk may be adjusted to limit utility pole work.

Between 56th Street and 59th Street, there are approximately five (5) trees (elm, oak, and box elder) ranging in diameter from 4" to 30" that will need to be removed (See Photo 7).



Photo 7. 5628 Xerxes Ave - Tree Removal

Along the project there is a combination of a concrete out-walks, concrete staircases, lannon stone retaining walls and steep boulevard areas. The existing concrete out-walks, concrete staircases, and retaining walls will need to be adjusted, removed and/or relocated within the right-of-way line (See Photos 8 and 9). In areas of steep boulevard areas, new lannon stone retaining walls will be installed at the right of way line.



Photo 8. 5740 Xerxes Ave – Retaining Wall Adjustment



Photo 9. 5924 Xerxes Ave – Retaining Wall Installation and Concrete Stair Adjustments

**RIGHT-OF-WAY
 & EASEMENTS:**

This project utilizes the existing County owned right-of-way that runs parallel to Xerxes Avenue. The City will work closely with the County for all permits and approvals. All proposed permanent improvements will stay within this right-of-way. Temporary construction easements will be required to construct portions of the lannon stone retaining walls, concrete out-walks, concrete stairs, and driveway pavements.

**MAINTENANCE
 OF SIDEWALK:**

The proposed sidewalk would be maintained by the City, including snow plowing and associated general maintenance.

PROJECT COSTS:

The total estimated project cost is \$480,000. The total cost includes indirect costs of 15% for engineering and clerical costs and 7.5% for first year finance costs. Funding for this project will come from the PACS Fund.

PROJECT SCHEDULE:

The following schedule is feasible from an engineering standpoint with assistance Excel Energy to relocate utility poles:

Informational Meeting/Open House.....	June 11, 2012
Transportation Commission Review.....	TBD
Receive Feasibility Report/Order Public Hearing.....	TBD
Public Hearing.....	TBD
Bid Opening.....	TBD
Award Contract	TBD
Begin Construction.....	TBD
Complete Construction.....	TBD

**Feasibility Study
Xerxes Avenue Sidewalk Improvement No. S46
May 24, 2012**

FEASIBILITY:

The City of Edina 2008 Comprehensive Plan Update has laid out a plan for future sidewalks and the proposed sidewalk along Xerxes Avenue is consistent with the Comprehensive Plan.

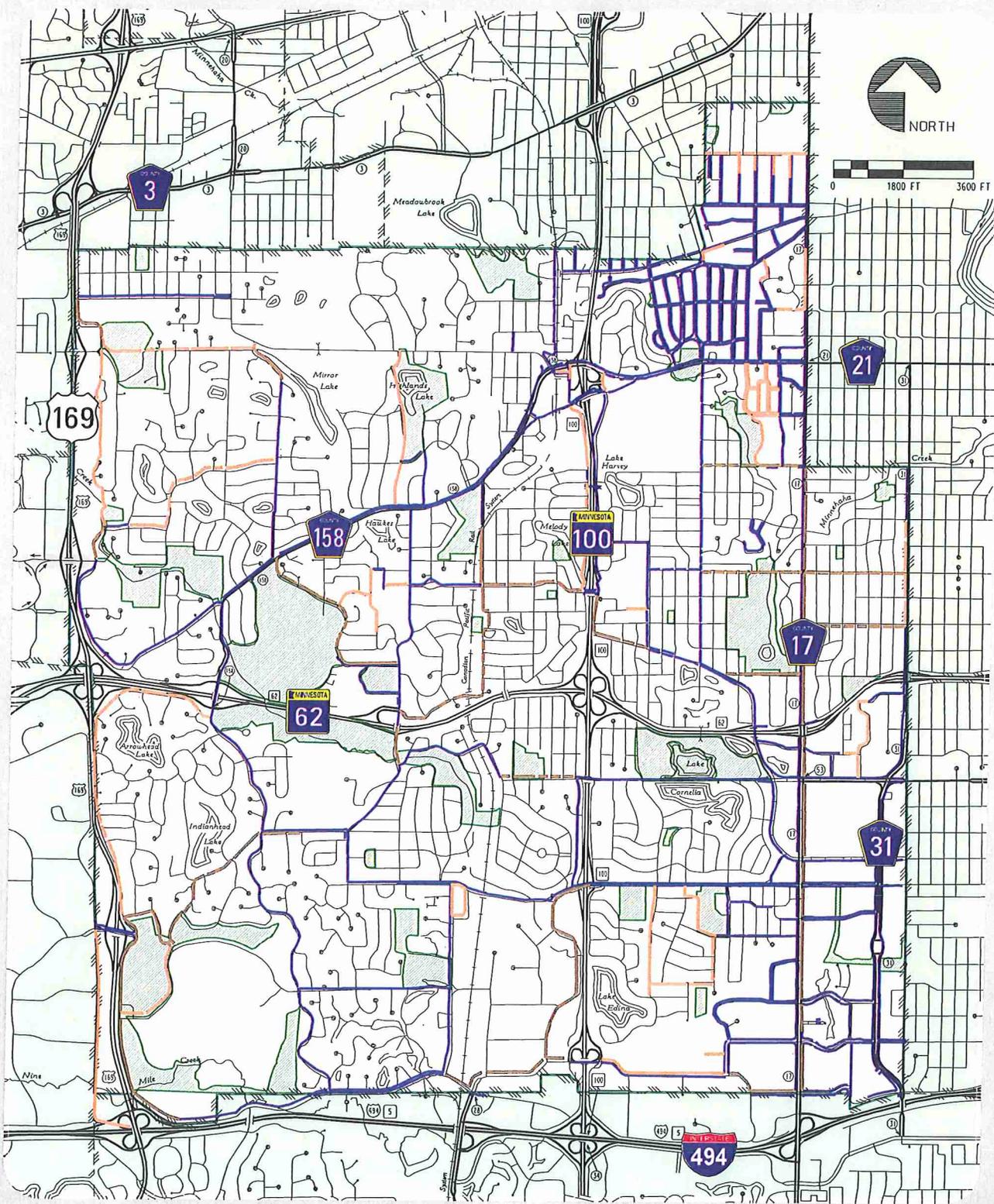
A number of engineering challenges exist but these can be overcome during design and construction of the sidewalk. The major challenge is getting assistance from Excel Energy to relocate utility poles.

Staff recognizes the challenges but believes the construction of this project is feasible, cost effective and necessary to create a safe pedestrian link along Xerxes Avenue.

ATTACHMENTS:

- A. Sidewalk Facilities Figure 7.10 - 2008 Comprehensive Plan Update
- B. Bicycle Facilities Figure 7.11 - 2008 Comprehensive Plan Update

DRAFT



LEGEND: — Existing Sidewalk — Proposed School / Business Sidewalk — Proposed State-Aid Sidewalk

Note: Park Pathways are included on Figure 7.11

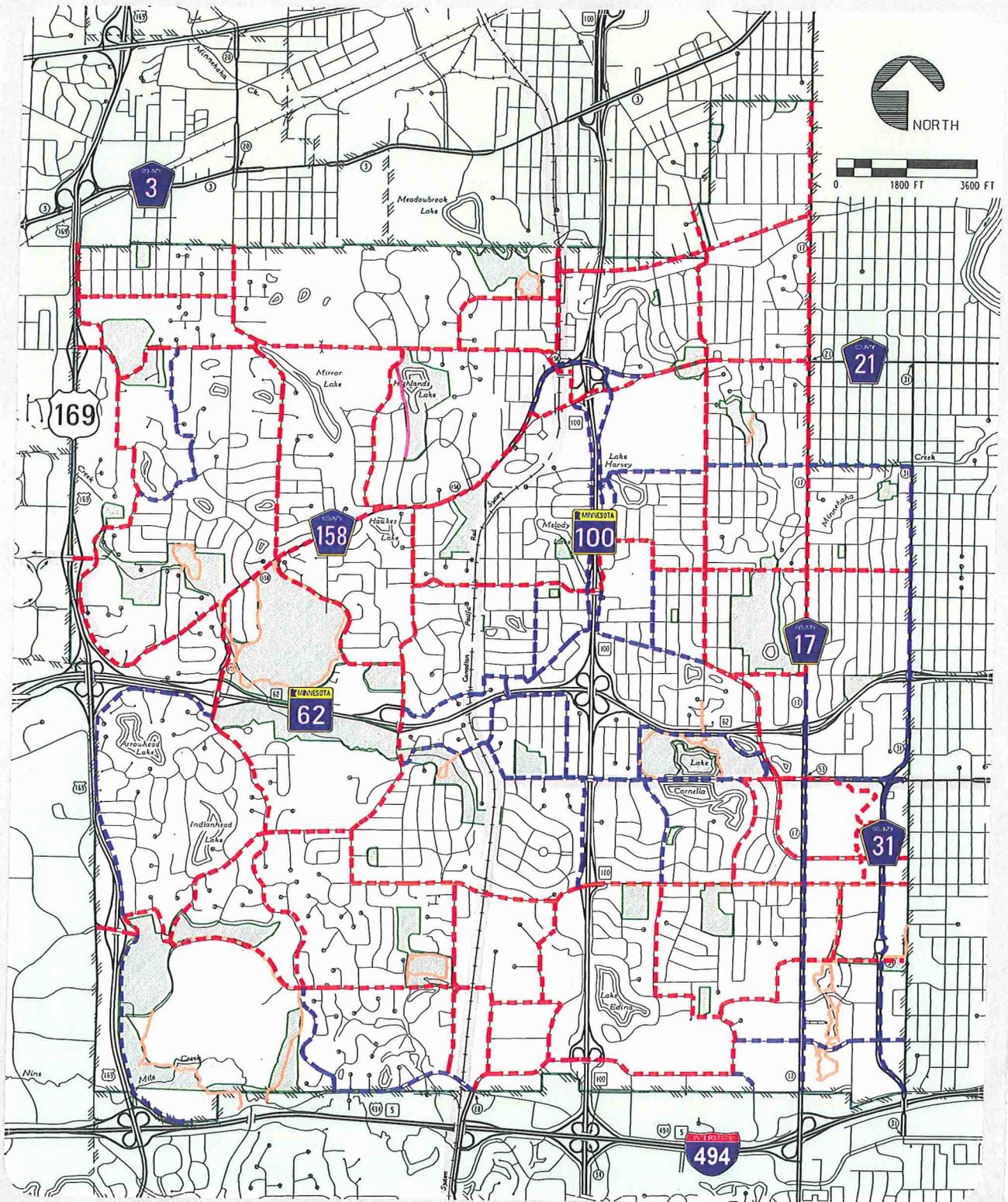


**City of Edina
2008 Comprehensive Plan Update**

Sidewalk Facilities

Figure 7.10

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LEGEND:

 Existing Park Pathway	 Existing Hennepin County Corridors	 Proposed Park Pathway	From the 2007 Edina Comprehensive Bicycle Transportation Plan	
			 Primary Route	 Secondary Route



**City of Edina
2008 Comprehensive Plan Update**

Bicycle Facilities

Figure 7.11

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