SUMMARY OF ENGINEERING RECOMMENDATIONS

Cayuga-Arkwright Widening Project

City Project No. 14-P-1389

State Aid Project No. 164-267-005

Report Prepared – 12/23/13

Public Hearing –Feb. 19, 2014

PROJECT

The project seeks to widen Arkwright Street between Whitall Street and Cayuga Street and to widen Cayuga Street between Westminster Street and Phalen Boulevard and to install a traffic signal at the intersection of Arkwright Street and Cayuga Street.

EXISTING CONDITIONS

Existing Arkwright Street is 32' wide accommodating one 16' lane of traffic in each direction. Existing Cayuga Street has two thru lanes in each direction. Existing Average Daily Traffic (ADT) on Cayuga is 4,825 vehicles per day (vpd).

PROPOSED IMPROVEMENTS

It is proposed to widen Cayuga Street between Westminster Street and Phalen Boulevard to accommodate two thru lanes in each direction and a turn lane. Arkwright Street between Cayuga and Whitall will be widened to accommodate one 11' thru lane in each direction and one 12' left turn lane onto Cayuga.

The project includes the installation of a traffic signal at the intersection of Cayuga and Arkwright Street.

The Cayuga Street driveway access for the property at 435 Phalen Boulevard will be permanently closed. A driveway will be constructed along the east side of Arkwright street will allow access to 435 Phalen Boulevard.

ALTERNATES

No other alternate than widening Cayuga was proposed.

The Minnesota Department of Transportation is shifting the I-35E interchange from Pennsylvania Avenue to Cayuga Street. The result will be to drastically increase traffic volumes on Cayuga Street between Phalen Boulevard and the new I-35E interchange. The projected ADT for Cayuga Street is 14,900 vpd.

Three properties that have access onto Cayuga Street, two medical facilities and the Hiway Federal Credit Union, are concerned about access to and crossing Cayuga Street with the increased traffic volumes. The 401 Phalen Boulevard facility is HealthPartners and the 435 Phalen Boulevard facility, owned by Frauenshuh, is leased by HealthPartners, Gillette Children's Specialty HealthCare and Regions Hospital. These two medical buildings are located on both sides of Cayuga Street with patients and employees needing to move between the two facilities.

POSITIVE BENEFITS

Widening Cayuga will accommodate the increase of traffic volume due to the new I-35E interchange. Installation of the traffic signal will increase safety for employees and patients between the two medical facilities.

ADVERSE EFFECTS

Normal problems associated with construction such as noise, dust, reduced access, and general disruption will be present.

EFFECTS ON TREES

28 trees will be need to relocated or removed and replaced in conjunction with this project.

TIME SCHEDULE

The project will begin in the spring of 2014 and will be completed by the fall of 2014.

COST ESTIMATE

Cost participation will be by both the City and Private Partners for the design and construction of widening Cayuga Street between Phalen Boulevard and Westminster Street and for the design and construction of the traffic signal at the intersection of Cayuga Street with Arkwright Street and the 401 Property Driveway. The cost share for the improvements will be 50% City and 50% Private Partners, with the Private Partners splitting their 50% share equally between the three parties. Private Partners are Health Partners East Side Holding,LLC, Westminster Junction Venture, LLC and Hiway Federal Credit Union.

COST ESTIMATE

Construction	$	534,065
Engineering	$	133,500
PROJECT TOTAL	**$**	**667,565**

ESTIMATED FINANCING

MSA (Municipal State Aid)	$	211,861
Private Partner Contribution	$	299,704
CIB (Capital Improvement Bonds)	$	156,000
PROJECT TOTAL	**$**	**667,565**

SOURCE OF ADDITIONAL INFORMATION

For additional information, contact the Project Engineer, Barb Mundahl, at 266-6112.

SUMMARY AND RECOMMENDATION

The Department of Public Works feels that this is a worthwhile project, and the Engineering Recommendation is for approval of the project and financing.

Respectfully submitted,
Barbara Mundahl