

**ROSEVILLE**  
**REQUEST FOR COUNCIL ACTION**

Date: 4/25/11  
Item No.: 12.d

Department Approval



City Manager Approval



Item Description: County Road C-2 Traffic Study Update

**BACKGROUND**

At the March 21, 2011 City Council meeting, the City Council approved the Josephine Woods Preliminary Plat. During the course of the Public Hearing for this item, a number of property owners from County Road C-2 and Josephine Road spoke regarding County Road C-2. The main point of discussion was the connection of County Road C-2, and its impacts to Josephine Road and County Road C-2. After the Public Hearing, the Council directed staff to determine the cost and workplan to complete a traffic study that would determine the potential impacts of connecting County Road C-2.

Staff has requested that SRF Consulting provide us the following scope of services to complete this traffic study:

1. Conduct an origin-destination (O-D) study for the Josephine Woods area (i.e. local impacts). This task includes a license plate match study during the p.m. peak hour only, post processing, and analysis of the data. This information will determine current users of the existing roadway network during the peak hour conditions. The license plate match study is conducted using field personnel to record license plates audibly in a ring around the subject area. The area includes:
  - Hamline Avenue (north of Josephine Road)
  - Hamline Avenue (south of County Road C2)
  - Lexington Avenue (north of Josephine Road)
  - Lexington Avenue (south of County Road C2)
  - County Road C2 (west of Hamline Avenue)
  - County Road C2 (east of Lexington Avenue)
  - Lydia Avenue (west of Hamline Avenue)
  - Lydia Avenue (west of Snelling Avenue)
  - Lincoln Drive (south of County Road C2)
  - Woodhill Drive (west of Lexington Avenue)
2. Collect daily traffic volumes at up to four locations and conduct a p.m. peak hour turning movement count at the intersection of Hamline Avenue and Lydia Avenue to validate the accuracy of the O-D information collected in Task 1.
3. Review the Regional Travel Demand Model to determine potential regional travel pattern shifts due to connecting County Road C2 and other area roadway improvements west of Snelling Avenue.

- 33 4. Determine the appropriate travel patterns shifts with County Road C2 connected between  
34 Griggs Street and its current termination point. Develop traffic volumes based on current  
35 levels of traffic and future year 2030 projections at the following key intersections:  
36 • County Road C2 and Lexington Avenue  
37 • County Road C2 and Hamline Avenue  
38 • Josephine Road and Lexington Avenue  
39 • Josephine Road and Hamline Avenue  
40 • Lydia Avenue and Hamline Avenue
- 41 5. Analyze a.m. and p.m. peak hour intersection operations at the four key intersections with the  
42 potential County Road C2 connection under current traffic volume conditions and future year  
43 2030 conditions.
- 44 6. Review the roadway design feasibility and impacts associated with constructing the  
45 County Road C2 connection. This review will include roadway grades, sight lines, potential  
46 capacity needs and functional classification assessment.

47 The study would take about 4 weeks to complete.

48 Once the study is complete, the findings would be presented at a public information meeting.  
49 Notices for the meeting would be sent out to property owners in the study area.

50 Finally, the study findings would be presented to the City Council at a regular meeting. These  
51 meetings could take place this summer.

52 **POLICY OBJECTIVE**

53 County Road C-2 has never connected between Griggs and Lexington Avenue. However, it is  
54 on the City's Municipal State Aid System and is functionally classified as a Local Collector.  
55 The same is true of Josephine Road. The purpose of this study is to determine what the local and  
56 regional impacts of connecting County Road C-2 between Hamline Avenue and Lexington  
57 Avenue.

58 **FINANCIAL IMPACTS**

59 The cost to have SRF complete the Origin Destination Study and subsequent public meetings is  
60 \$14,000. This includes completion of all of the tasks described above. The study could be  
61 funded by the street construction fund or general reserves.

62 **STAFF RECOMMENDATION**

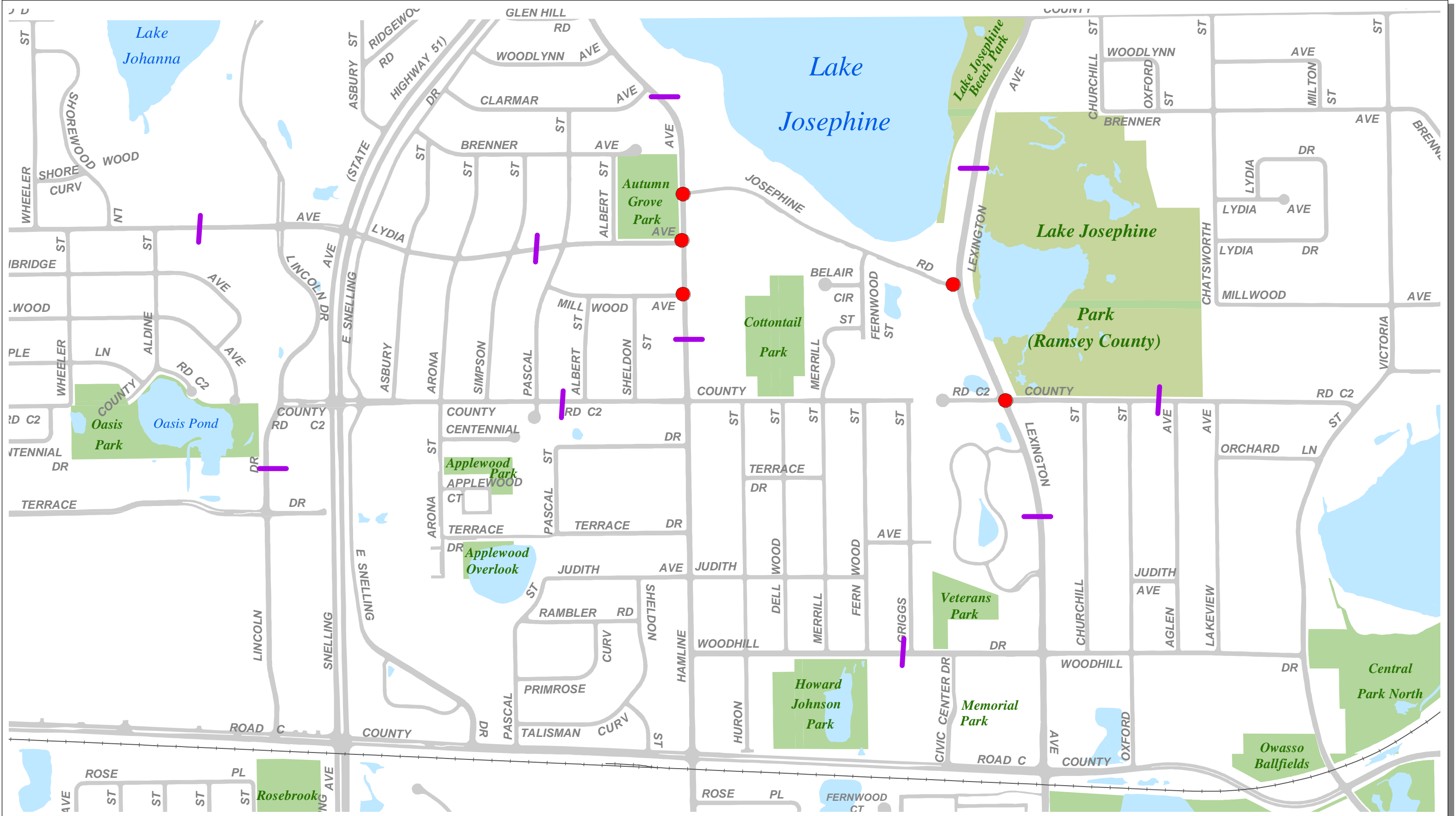
63 Discuss County Road C-2 traffic study and provide staff direction.

64 **REQUESTED COUNCIL ACTION**

65 Discuss County Road C-2 traffic study and provide staff direction.

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Prepared by: Debra Bloom, City Engineer  
Attachments A: Location Map



# County Road C2 Traffic Study

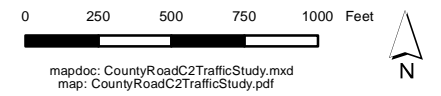


Prepared by:  
Engineering Department  
April 20, 2011

- Intersections
- Streets

Data Sources and Contacts:  
 \* Ramsey County GIS Base Map (2/28/11)  
 \* City of Roseville Engineering Department  
 For further information regarding the contents of this map contact:  
 City of Roseville, Engineering Department,  
 2660 Civic Center Drive, Roseville MN

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mapdoc: CountyRoadC2TrafficStudy.mxd  
 map: CountyRoadC2TrafficStudy.pdf