

APPENDIX A:
NORTHERN ALIGNMENT
TRAFFIC STUDY TECHNICAL MEMORANDUM

Memorandum

TO: Mike Monahan, Principal
FROM: Patrick Corkle, Senior Associate
DATE: March 26, 2008
SUBJECT: Traffic Analysis for a Potential Central Corridor Northern Alignment

INTRODUCTION

A traffic analysis was completed for a potential northern alignment of the central corridor LRT (Light Rail Transit). The study includes a segment at the eastern connection near the Stadium Village Station at the future University of Minnesota TCF Bank Football Stadium. The western connection west of the University's west bank campus (see Figure 1: Potential Northern Alignment). The eastern portion of the northern alignment would cross new roadways/intersections built in conjunction with the football stadium. The western connection area requires the removal of existing roadways and provides new connections to replace them. The middle segment of the northern alignment has no impacts on vehicular traffic, since the LRT is not proposed to cross any other existing roadways.

TRAFFIC ANALYSIS – STADIUM VILLAGE STATION

This analysis is in the immediate area of the University of Minnesota (U of M) Football Stadium (See Figure 2). The traffic analysis used the forecast volumes and Synchro/ Sim-traffic model from the CCLRT East Bank Traffic Study No. 3 dated February 8, 2008. For any missing volumes, data was used from the University of Minnesota Football Stadium EIS. One item to note, the impacts of a future multi-modal station and any associated parking facilities were not included in the analysis. The intersections analyzed were:

- Potential LRT Crossing SE 25th Avenue at the U of M Transitway
- Potential LRT Crossing SE 23rd Avenue at the U of M Transitway
- Potential LRT Crossing 6th Street SE at 23rd Avenue

These three intersections/crossings will be controlled by traffic signals based on safety. The results of the analysis are shown in Table 1 and that the intersections will operate at acceptable levels of service under year 2030 forecast volumes.



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Project Alignment
 North Alignment Study
 University of Minnesota

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 March 2008

Figure 1