

## Transportation Committee

For the Metropolitan Council meeting of June 26, 2013

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**Subject:** Central Corridor Light Rail Transit (Green Line): Pre-revenue Service Vibration Monitoring and Testing Consultant Contract

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### **Proposed Action**

That the Metropolitan Council authorize the Regional Administrator to negotiate and execute a professional services contract with Acentech to perform vibration testing and monitoring services measuring Light Rail Transit-generated vibration at the University of Minnesota, Hubbard Broadcasting, and Minnesota Public Radio (MPR) as part of pre-revenue service and during the first year of revenue service for the Central Corridor (Green Line) Light Rail Transit (CCLRT) Project in an amount not-to-exceed \$675,000.

### **Summary of Committee Discussion/Questions**

Mark Fuhrmann presented this item. There were no questions from committee members. Councilmember Reynoso commented that there are vibration-monitoring systems in other countries that monitor the entire rail line, and are able to determine when track maintenance is needed. Fuhrmann stated that part of regular LRT maintenance is to inspect rails for wear, limiting vibration. Track maintenance will occasionally grind the running rails to ensure minimal vibration and a smooth ride for customers.

Councilmember Commers made the motion to approve, seconded by Councilmember Smith, and unanimously approved. **CONSENT** to Council.

## Transportation Committee

Meeting date: June 10, 2013

For the Metropolitan Council meeting of June 26, 2013

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**Subject:** Central Corridor Light Rail Transit (Green Line): Pre-revenue Service Vibration Monitoring and Testing Consultant Contract

**District(s), Member(s):** All

**Policy/Legal Reference:** MN Statute 473.399; Met Council Expenditures Policy 3-3

**Staff Prepared/Presented:** Brian J. Lamb, General Manager, 612-349-7510  
Mark W. Fuhrmann, Deputy Gen Manager, 651-602-1942  
Rich Rovang, CCLRT Project Director, 651-602-1941  
Chris Beckwith, CCLRT Deputy Project Director  
Kathryn O'Brien, CCLRT Assistant Director, 651-602-1927

**Division/Department:** Metro Transit / Central Corridor Project Office

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### Background

Central Corridor Project Office (CCPO) requires the services of a qualified firm to conduct vibration testing and monitoring during CCLRT pre-revenue service and during the first year of revenue service. Completing this testing is a requirement of various agreements and environmental mitigation commitments made for the Project.

Vibration testing at the University of Minnesota is a requirement of the Agreement between the Metropolitan Council and the University of Minnesota (September 2010) and must be completed prior to the start of Green Line revenue service. Vibration testing, in addition to airborne noise testing, at MPR is required as part of the MPR Mitigation Agreement (April 2009), and commitments to conduct vibration testing at Hubbard Broadcasting were made as part of project development. The intent of this testing is to determine that CCLRT operations are in compliance with agreed-to levels of noise and vibration.

### Rationale

The execution of professional services contracts in excess of \$250,000 requires Council approval.

### Funding

Funding is available from the CCLRT Project contingency budget.

### Known Support / Opposition

No known opposition.