

Central Corridor Light Rail Transit

CCMC

November 18, 2009



*Improving
mobility*

*Easing
congestion*

*Strengthening
our communities*

Today's Topics



- BAC and CAC Reports
- UofM MOU II
- Project schedule
- 4th Street utility relocation update
- 2-Step procurement process
- St. Paul parking update

Central Corridor Light Rail Transit



BAC Report

Karri Plowman
Central Corridor Partnership

Central Corridor Light Rail Transit



CAC Report

Robin Caufman
Manager of Public Involvement

Nov. 9 Contractor Event was a Success



Central Corridor Light Rail Transit



University of Minnesota Memorandum of Understanding II

Mark Fuhrmann
Project Director

Memorandum of Understanding II

- Executed July 2008
- Identified types of improvements
- Outlined responsibilities
 - Metro Transit will control and approve CCLRT design
 - Responsible road authority will control design elements of road
 - University will have final design approval on Transit/Pedestrian mall
 - University will donate necessary ROW



Principals Meetings



- Involved project partners
 - Met Council
 - University of Minnesota
 - Ramsey
 - Hennepin
 - Mpls
 - St. Paul
- Met thirteen times in 2009
 - Over 50 technical staff meetings
- Not invited to meet with Regents

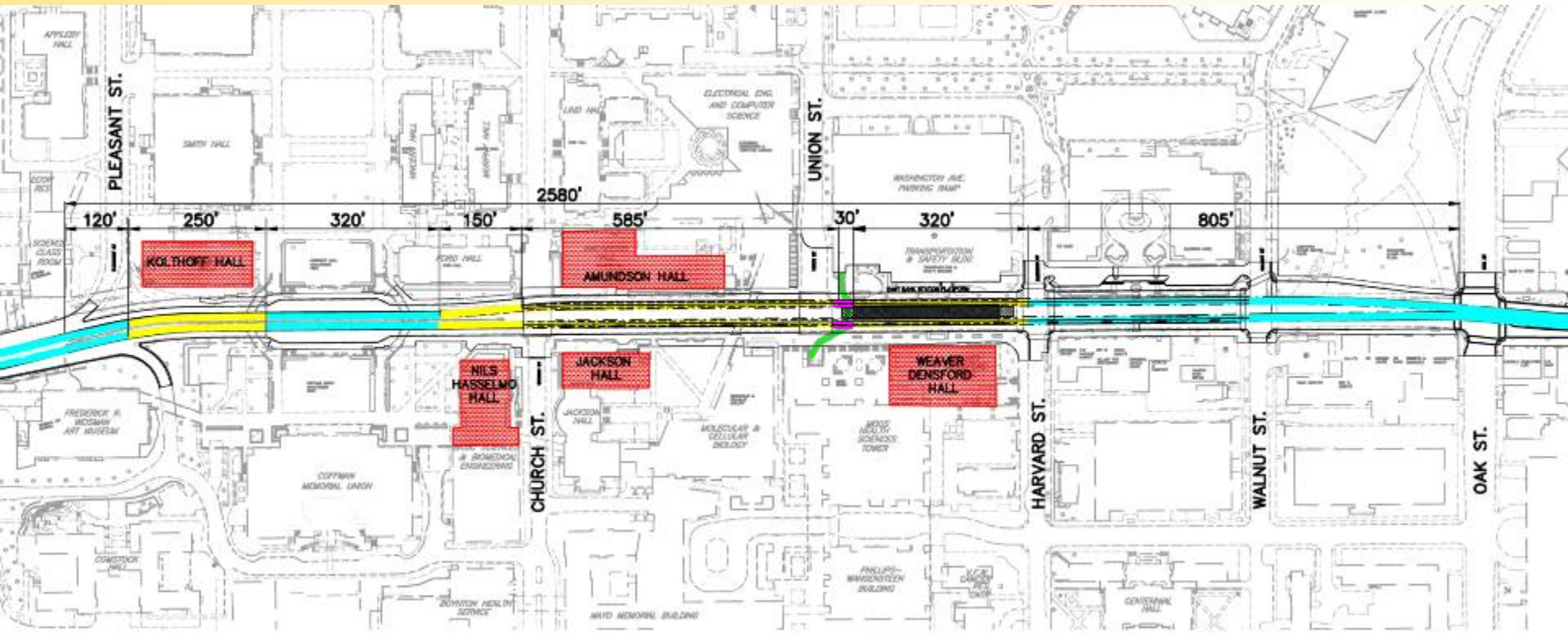
Vibration Analysis



- Tested 32 labs in 15 buildings
 - May-Oct. 2008
 - May 2009
 - Identified impacts to labs in 5 buildings
- Prepared Vibration report
 - Dec. 2008
- Addressed in the FEIS
 - June 2009

Vibration Mitigation for Impacted Buildings

- Typical embedded track
- Floating Slab w/ rubber support pads
- Floating Slab on rubber mat
- LRT/Bus Joint Operation



Floating Slab for Vibration Mitigation

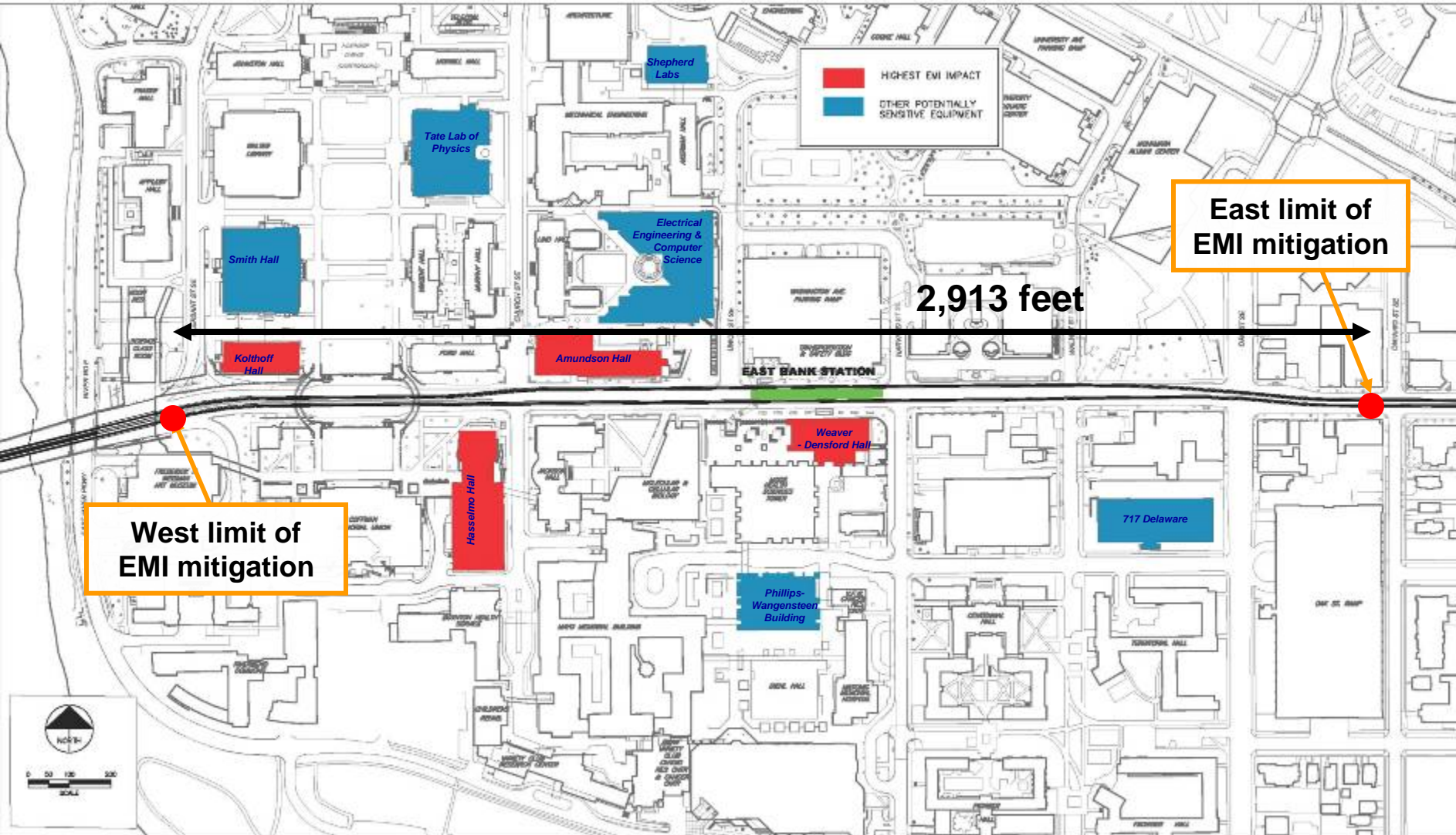


EMI Analysis



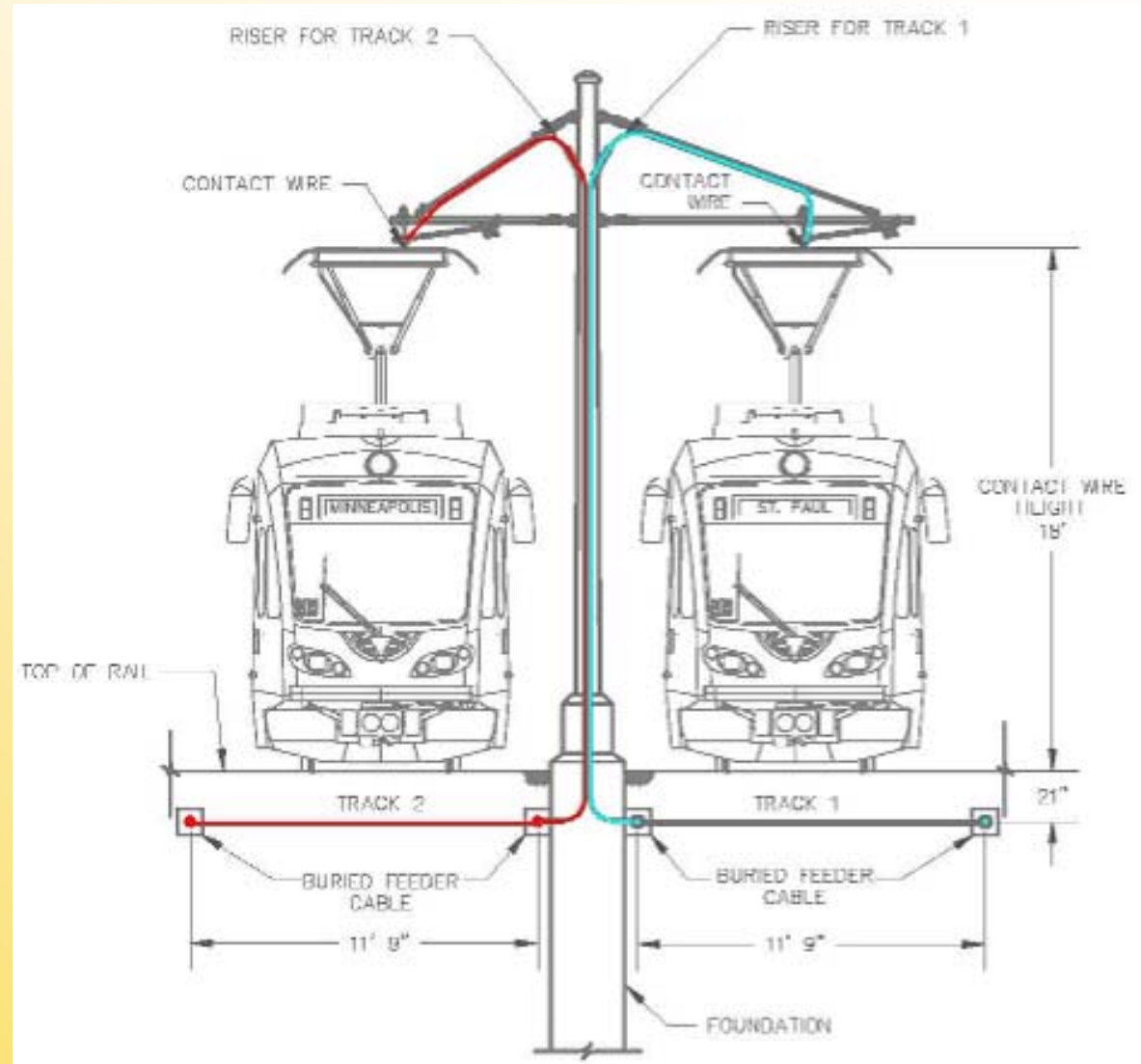
- Developed predictive model
 - Verified by extensive testing on Hiawatha LRT
 - Accepted by UofM
- Applied predictive model
 - Results demonstrate ability to mitigate EMI

EMI Mitigation for Impacted Buildings



EMI Mitigation – Primary

- Double Split Power Supply
 - Keeps electricity flow bundled at track level to achieve cancellation
 - Installed on track guideway



EMI Mitigation Secondary



- Active Cancellation
 - Produces cancellation effect
 - Proven performance with LRT
 - Open design
 - Installed around research equipment
 - No modifications to room or building
 - Adjustable to changing conditions

UofM MOU II

Next Steps



- Agree on mitigation measures effectiveness
- Agree on vibration / EMI monitoring and testing program
- Agree on remedial actions if not effective
- Agree on insurance / indemnification limits
- Complete draft MOU II
- Execute document in December

Central Corridor Light Rail Transit



Project Schedule

Mark Fuhrmann
Project Director

Schedule Milestones

Early 2010

- FTA Approval to Enter Final Design
- Submit FFGA Application to FTA

Summer 2010

- FTA Approval of FFGA

Spring 2014

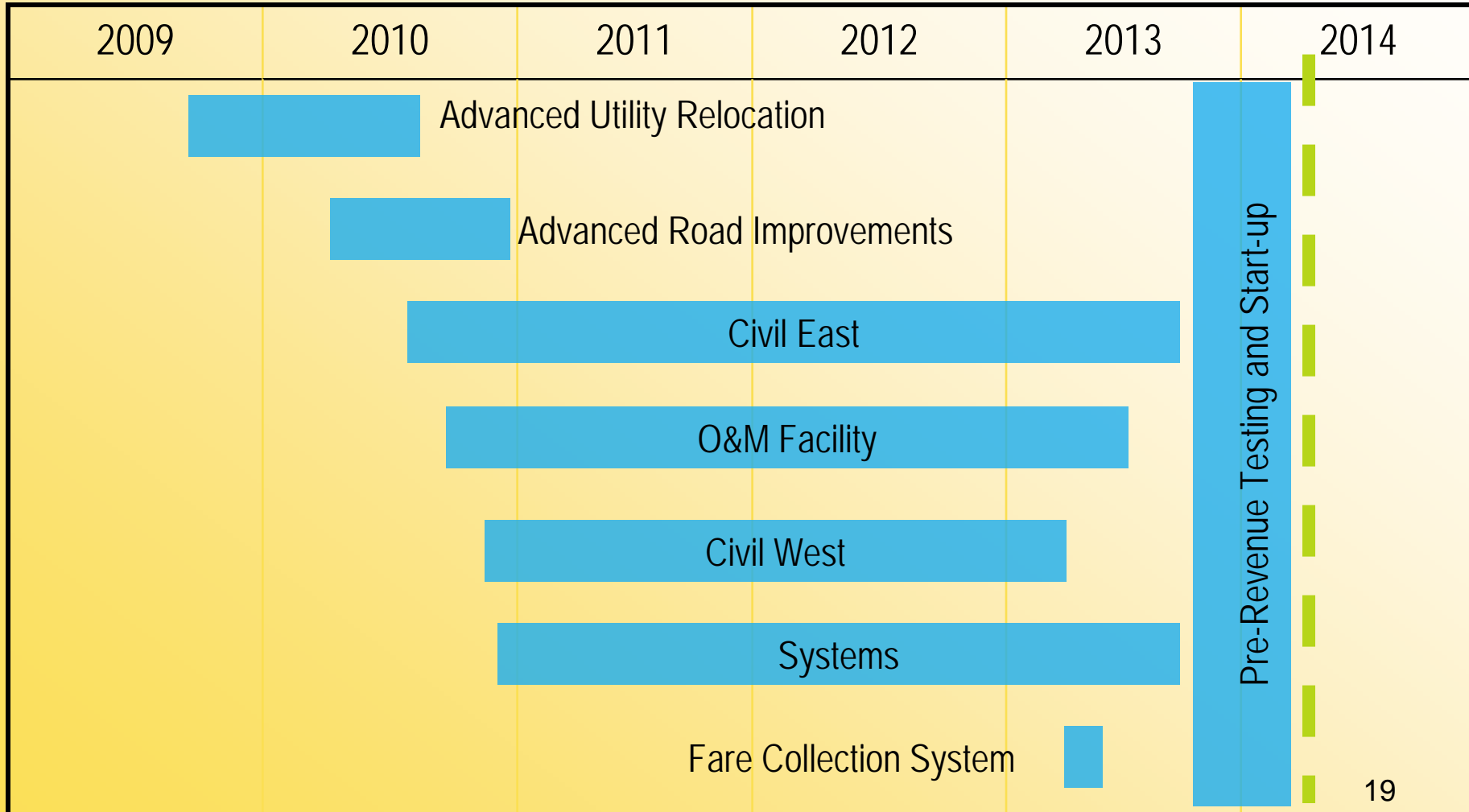
- CCLRT Construction Completed

2014

- Begin Revenue Service

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Construction Schedule



Central Corridor Light Rail Transit



4th Street Utility Relocation Update

Rich Rovang
Deputy Project Director

Current Activities



- Bolander continues work on sanitary sewer, storm sewer, water and District Cooling chilled water between Robert and Jackson
- Bolander installs District Cooling chilled water connections at Broadway, Jackson and Sibley

Robert Street Reopens to Traffic



Work at 4th Street & Sibley



New signs in place

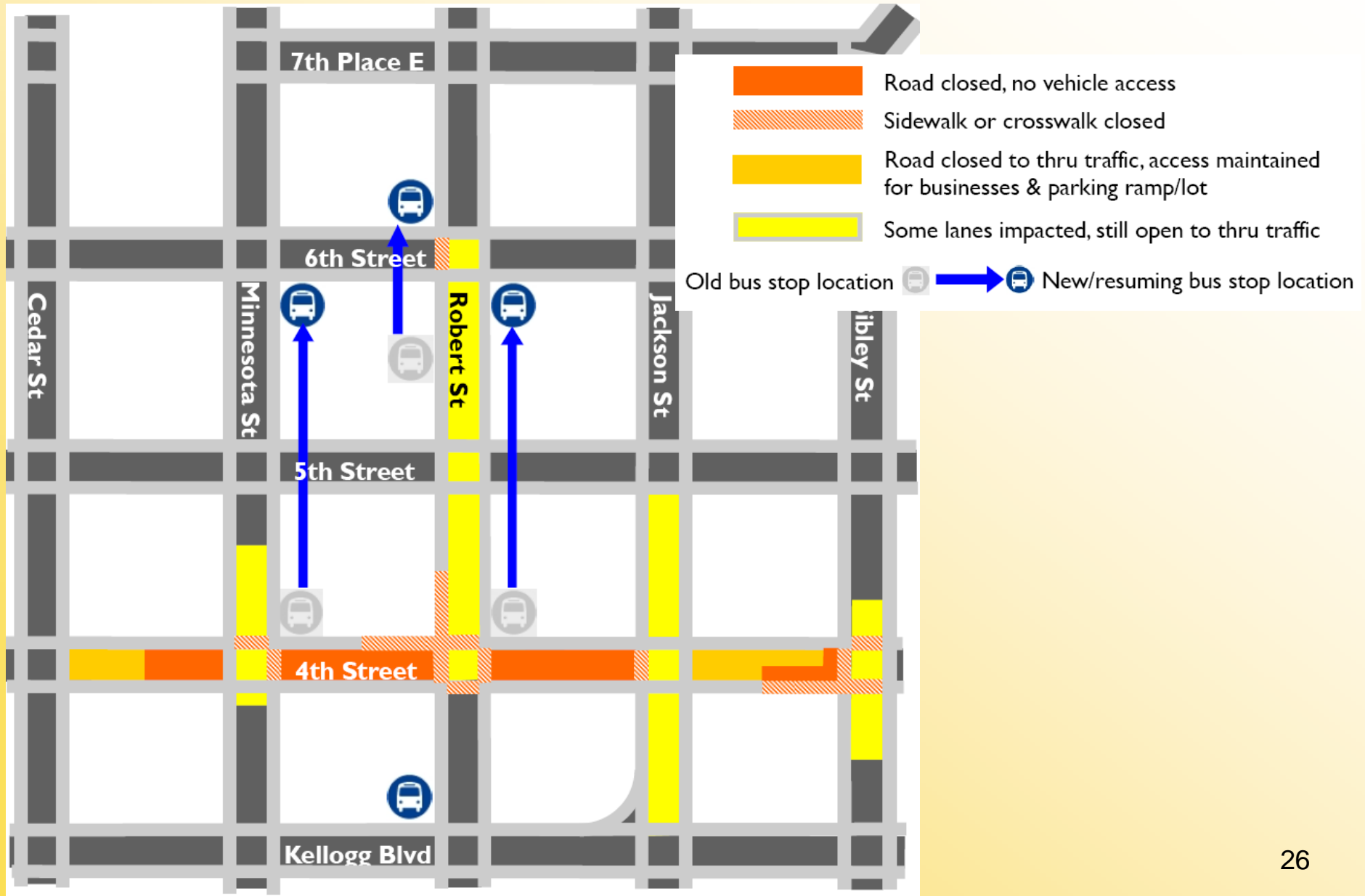


Maps Direct Pedestrians

Space on the Sign
Available to Include
Business Names



Map added to Construction Updates



Construction Activities

Remainder of 2009

Central Corridor Light Rail Transit

Nov. 12

- Intersection of Sibley and 4th closed to west bound traffic for up to 1 month

Nov. 14

- Resurface and reopen Robert to through traffic from 4th to Kellogg
 - Crosswalks will remain closed at intersection of 4th and Robert

Nov. 23

- Intersection of Wall and 4th closed to all traffic for up to 1 month

Early Dec.

- Resurface and reopen 4th Street to through traffic from Minnesota to Robert

Construction Activities 2010

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Winter

- Periodic lane closures along 4th Street
 - 72-hour notification will be provided via Weekly Construction Updates

Spring 2010

- Construction resumes on 4th Street

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2-Step Procurement Process

Rich Rovang
Deputy Project Director

Bidding Schedule*

One-Step Procurement Packages

Invitation for Bid (IFB)

	Anticipated IFB Advertisement	Bid Opening	Construction Starts
4 th Street Advanced Utility Relocations	Complete	Complete	Underway
Advanced Roadway Improvements	Dec 2009	Jan 2010	Spring 2010
Operations and Maintenance Facility	March 2010	April 2010	Aug 2010
Fare Collection	July 2011	Aug 2011	Fall 2011

* Assumes FTA awards Full Funding Grant Agreement in Q2 - 2010

Procurement Approach

Two-Step Procurement



- **Step 1: Pre-Qualification**
based on:
 - Transit experience
 - Technical competence
 - Capability to perform
 - DBE/Workforce inclusion
 - Key personnel
- **Step 2: Bid Submittal**

Bidding Schedule*

Two-Step Procurement Packages

Request for Qualifications (RFQ) & Invitation for Bid (IFB)

	Anticipated RFQ Advertisement	Pre-Qual Complete	Bid Opening	Construction Starts
Civil East Construction	Dec 2009	Jan 2010	April 2010	July 2010
Civil West Construction & Washington Ave Bridge	Feb 2010	March 2010	June 2010	Aug 2010
Systems	Feb 2010	April 2010	July 2010	Aug 2010

* Assumes FTA awards Full Funding Grant Agreement in Q2 - 2010

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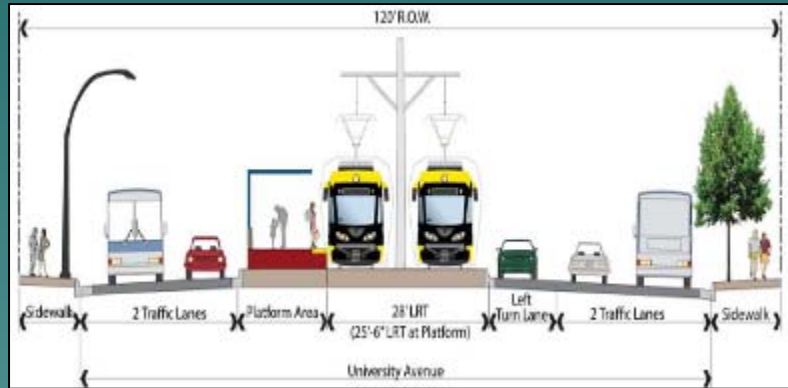
Parking Update

Craig Blakely
City of St. Paul PED

Neighborhood Commercial Parking Pilot Program: A Progress Report



City Parking Program: Origins



- ◆ 3/08: mandatory and community preferred design = 85% loss
- ◆ 9/08: Convened Parking Solutions Team
- ◆ 4/09: Released Parking Mitigation Report
- ◆ 8/09: Approved Parking Program

City Parking Program: the Parking Mitigation Report

Mitigating the Loss of Parking in the Central Corridor

A Staff Report by the Parking Solutions Team of the Central Corridor Project Office
and the City of St. Paul Department of Planning & Economic Development



Parking Solutions Team Contacts

Central Corridor Project Office - Dan Saker 651.603.1971

City of St. Paul - Greg Blevins 651.266.6697

www.centralcorridor.org

www.stpaul.gov/centralcorridor

- ◆ Comprehensive look at parking on and off-street
- ◆ Addressed needs of all stakeholders
- ◆ Identified 11 Critical Areas
- ◆ Identified Corridor-wide solutions

City Parking Program: Parking Solutions Workshops



- ◆ Outreach Coordinators organized meetings
- ◆ Business and property owners shared needs
- ◆ City and Design Center staff did the drawings

City Parking Program: Funding Sources



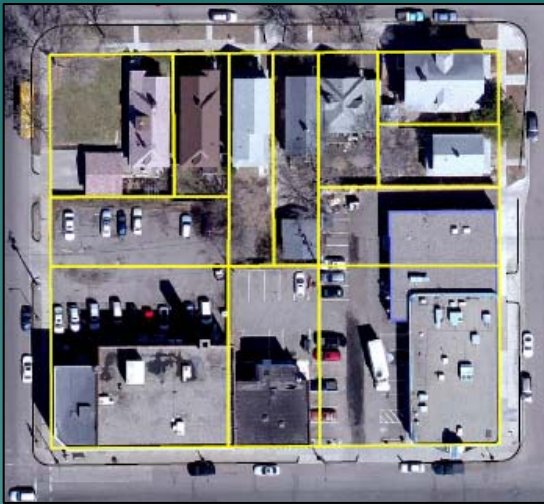
- ◆ Elected officials committed STAR program funding
- ◆ Scattered Site TIF District
- ◆ Capital Improvement Budget
- ◆ Federal stimulus funding

City Parking Program: A \$1 Million Program



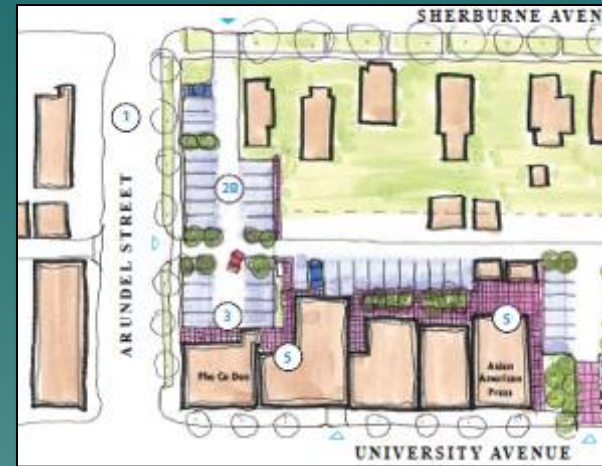
- ◆ \$500,000 to improve commercial parking
- ◆ \$100,000 to buffer residential properties
- ◆ \$350,000 to repave up to 10 alleys
- ◆ \$135,000 to improve the alley interface

City Parking Program: Typical Design Solutions



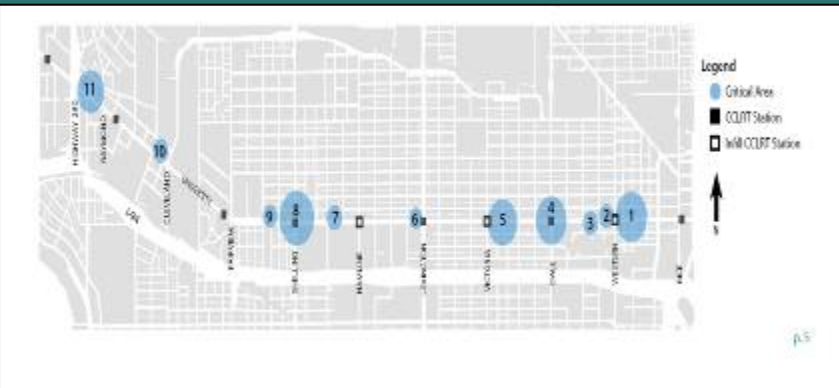
- ◆ Remove fence, link separated parking lots
- ◆ Create a new private alley
- ◆ Allow stacked parking
- ◆ Improve pedestrian amenities and access

City Parking Program: Typical Design Solutions



- ◆ Share parking lot across Arundel
- ◆ Remove curb cut, reorient parking
- ◆ Centralize refuse to develop integrated head-in parking off alley

City Parking Program: Eligible Applicants



- ◆ All business/property owners eligible
- ◆ Preference given to those in critical areas
- ◆ Maximum forgivable loans of \$25,000
- ◆ Shared parking proposals can exceed \$25,000

City Parking Program: Eligible Improvements



- ◆ Improvements to amount, safety, and appearance of parking
- ◆ Improvements to vehicular circulation
- ◆ Improvements to pedestrian accessibility

City Parking Program: Eligible Improvements



- ◆ Improvements to landscaping, storm-water management
- ◆ Relocating/centralizing refuse and recycling
- ◆ Improvements to park and ride lots and ramps are ineligible

City Parking Program: Proposal Development

- ◆ Outreach to critical areas
- ◆ Respond to inquiries outside critical areas
- ◆ Help develop proposals, prepare applications
- ◆ Applications due end of February, 2010

Neighborhood Commercial Parking Program

The purpose of the Neighborhood Commercial Parking Pilot Program (NCPPI) is to provide forgivable loans for improvements to off-street parking along University Avenue. The program is being piloted to help mitigate the proposed loss of on-street parking due to Central Corridor Light Rail Transit. The NCPPI will fund a limited number of projects that improve parking management, increase the amount and utilization of commercial parking, and/or encourage business and property owners to equitably share the use and costs of off-street parking.

HOW MUCH IS AVAILABLE FOR PARKING IMPROVEMENTS?

Competitive forgivable loans will be available for up to \$25,000, although larger loans will be considered where multiple businesses and/or property owners cooperate on a shared parking agreement and submit a single application.

WHO CAN APPLY?

All business and property owners with frontage on University Avenue between Emerald Street and Rice Street in Saint Paul. Priority will be given to projects within the 11 critical areas identified in the recent report, *Mitigating the Loss of Parking in the Central Corridor*.

WHAT TYPES OF PROJECTS WILL BE ELIGIBLE?

Cost effective projects that improve the safety, appearance, or utilization of parking, or increase the amount of off-street parking, including:

- **Driveways:** closing or installing curb cuts or driveways to improve access
- **Paving:** repairing, repaving and restriping the surface of parking lots or in an adjacent alley
- **Walls and Fences:** repairing, removing, or replacing fencing and retaining walls
- **Garages:** repairing or removing commercial garages
- **Security:** repairing or installing security lighting and installing rear windows or rear doors with windows.
- **Accessibility:** improving handicapped-accessible parking or installing rear entrances or ramps to improve accessibility.
- **Pedestrian Improvements:** walkways to improve the safety of pedestrians in and around the parking lots
- **Landscaping:** adding, improving, or replacing landscaping that makes off-street parking more efficient and attractive.
- **Storm Water Management:** installing storm water management improvements that improve drainage
- **Recycling and Garbage:** relocating, or centralizing recycling and refuse containers
- **Direct project costs:** required licenses and permits, legal fees, design work, and fees are eligible, but are limited to 10% of the project

WHAT TYPES OF PROJECTS ARE NOT ELIGIBLE?

- Operating costs
- Rent for parking spaces
- Costs of acquiring land for parking
- Improvements to paid commuter or "park-and-ride" lots
- Improvements to existing parking ramps or decks
- Building or replacing garages

WHAT IS THE TIMELINE?

Materials for forgivable loan applications will be developed in Fall 2009, with applications due to the City in February 2010. Projects should be completed in the 2010 construction season.

WHERE CAN I GET MORE INFORMATION?

For more information on this or other parking programs, please contact Craig Blakely, City of Saint Paul Department of Planning and Economic Development, at 651-266-6697, or craig.blakely@ci.stpaul.mn.us.

*Report can be viewed at www.stpaul.gov/DocumentView.aspx?DocID=8599



City Parking Program: Selection Criteria



- ◆ **Conforms with City plans and process**
- ◆ **Located in critical area a plus**
- ◆ **Cost Effective: leverage, shared parking**
- ◆ **Design: demonstrate new techniques**
- ◆ **Can be completed by 2011**

City Parking Program: Approval Process



- ◆ Parking Program Review Committee to rank and recommend
- ◆ HRA to approve projects
- ◆ PED staff to get projects under contract and complete

City Parking Program: Corridor Wide Parking Policies

- ◆ Council formed a Parking Policy Staff Group
- ◆ Look at on-street management: enforcement, permit parking, meters
- ◆ Look at how Parking Improvement Districts can encourage T.O.D.



City Parking Program: Next Steps



- ◆ 2010: award parking improvement funds and find more funding if a need is demonstrated
- ◆ 2010: improve residential-commercial interface
- ◆ 2010-2011: repave alleys
- ◆ 2011: construction begins on University Avenue

More Information

Check out our website:

- www.centralcorridor.org

Contact Central Corridor Project Office:

- 540 Fairview Avenue North
St. Paul, MN 55104
- Comment Line: 651-602-1645
- Email: centralcorridor@metc.state.mn.us

