

Corridor Management Committee

April 3, 2013





Today's Topics

- Legislative Update
- MAP-21 Guidance
- Technical Issue #23 Operations and Maintenance Facility (OMF)
- Technical Issue #21 Freight Rail
- Communications and Outreach Update
 - BAC Report
 - CAC Report



Legislative Update





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MAP-21 Guidance





New Starts and Small Starts Program: Final Rule and Proposed Policy Guidance





Presentation Outline

- Project Justification Rating Criteria
 - SAFETEA-LU New Starts Rating System
 - Central Corridor LRT (CCLRT)
 - Southwest LRT (SWLRT)
 - MAP-21 New Starts Rating System
 - Comparison of Project Justification Factors
 - Economic Development
 - Land Use
 - Cost Effectiveness
 - Environmental Benefit
 - Mobility Improvements
- Financial Rating Criteria



New Starts Evaluation and Rating Process Under SAFETEA-LU



New Starts Project Rating – under SAFETEA-LU

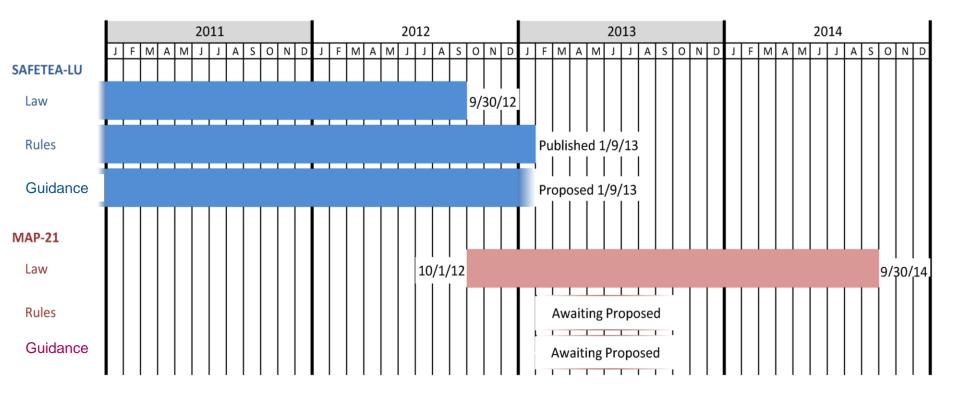
| | CCLRT (PE) | CCLRT (FFGA) | SWLRT (PE) |
|-------------------------------------|---------------|-----------------|---------------|
| Project Justification Rating | Medium | Medium | Medium |
| Economic Development | Medium-High | High | Medium-High |
| Land Use | Medium-High | Medium-High | Medium |
| Cost Effectiveness | Medium-Low | Medium-Low | Medium-Low |
| Environmental Benefits | Medium | Medium | Medium |
| Mobility Improvements | Medium | Medium | Medium |
| Operating Effectiveness | Medium | Medium | Medium |
| Local Commitment Financial Rating | Medium | Medium-High | Medium |
| Non-New Starts Share | Medium | Medium-High | Medium |
| Capital Plan | Medium | Medium-High | Medium |
| Operating Plan | Medium-High | Medium-High | Medium-High |
| Overall Project Rating | Medium | Medium-High | Medium |



New Starts Evaluation and Rating System Under MAP-21

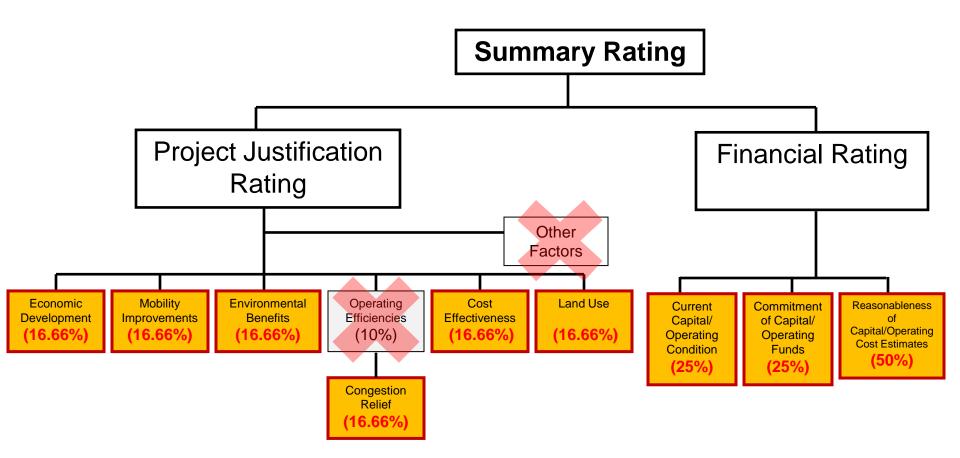


SAFETEA-LU → MAP-21 Transition



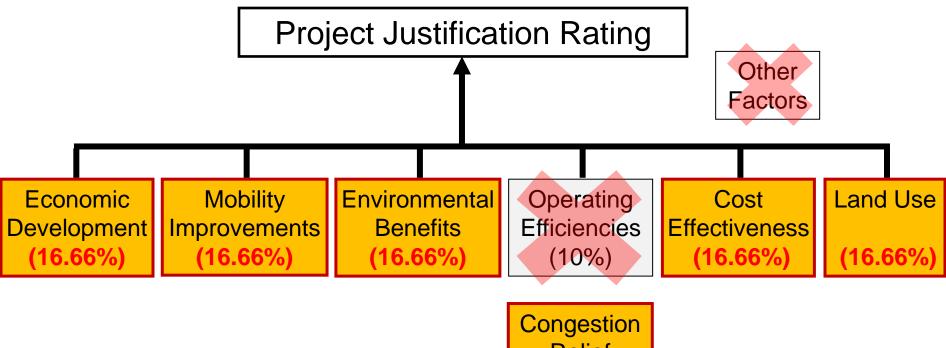


MAP-21 New Starts Rating Process





MAP-21 Project Justification Process



Relief (16.66%)



"The Station" on Washington Avenue and Walnut Street





Economic Development: MAP-21

- All of the SAFETEA-LU measures
- New Measure:
 - Plans, policies and financial incentives to maintain or increase affordable housing in corridor
- Rating partly based on relationships with private sector
 - Transit agencies establish a joint development program in order to earn high rating
 - Demonstrate private development along corridor and at station areas



Economic Development: MAP-21

- High Rating Factors (Future Conditions):
 - Adopted and enforceable growth management and land use conservation policies in the region
 - Conceptual plans for corridor and station areas are developed
 - Working proactively with locals, developers and public
 - Significant amount of land available for new development or re-development
 - Comprehensive affordable housing plans/policies; robust financial incentives available regionally



Land Use: MAP-21

- All of the SAFTEA-LU measures
- New Measure:
 - Existing "legally binding affordability restricted" housing
 - Existing station area population densities
 - Existing total employment served by the project
 - Pedestrian accessibility
- New measures rating assignment primarily quantitative

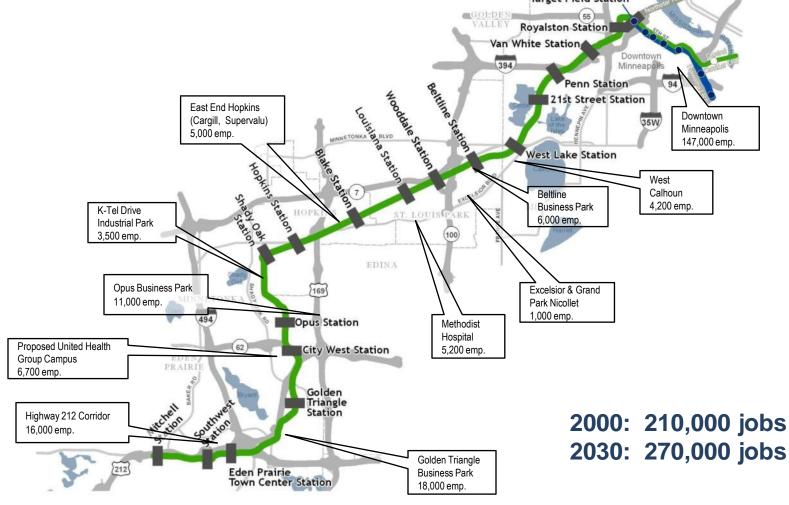


Land Use: MAP-21

- High Rating Factors (Existing Conditions):
 - Employment served by system > 250,000
 - Average population density > 15,000 persons/square mile
 - CBD parking cost > \$16 per day
 - Corridor's share of "Legally Binding Affordability Restricted Housing" > 10% of Region's share



SWLRT Corridor Serves Existing Jobs & Growth





Cost Effectiveness: MAP-21

- New Measure: Annualized capital and annual operating cost per passenger trip
 - Focus on ridership
 - Comparison of no-build to build
- Formula:

Annualized Capital + Annual Operating Cost

Number of Passenger Trips



Cost Effectiveness: MAP-21

- High Rating Factors:
 - Minimize capital and operating costs
 - Maximize transit riders on transitway
 - Capital and operating cost per rider < \$4.00 to earn "High" rating



Environmental Benefit: MAP-21

- New Measure: Monetized environmental benefit scaled by project
 - Focus on human health, safety, energy and air quality

Air Quality + GHG + Energy Use + Safety

Annualized Capital Cost + Annual Operating Cost

• Formula



Environmental Benefit: MAP-21

- New Measure: Monetized environmental benefit scaled by project
 - Focus on human health, safety, energy and air quality

Air Quality + GHG + Energy Use + Safety

Annualized Capital Cost + Annual Operating Cost

• Formula



Environmental Benefit: MAP-21

- High Rating Factors:
 - Reduce vehicle miles traveled
 - Minimize capital and operating costs
 - Maximize monetary benefit



Mobility Improvements: MAP-21

- New measure: Total number of linked-trips
- Transit dependent riders will be counted twice
- FTA defines transit dependent as persons from zero car households



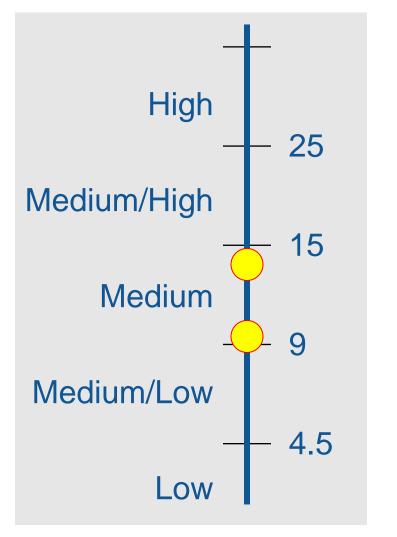
Mobility Improvements: MAP-21

- High Rating Factors: Total estimated annual trips including 2x for transit dependents > 25 million
- Green line forecasted 2030 annual ridership before transit dependent factor:
 - CCLRT 2030 13.5 million Medium
 - SWLRT 2030 9.8 million Medium



Mobility Improvements

Estimated SWLRT 2030 Annual Trips (Including and excluding transit dependent trips x2)



14.2 (SWLRT: Map-21)

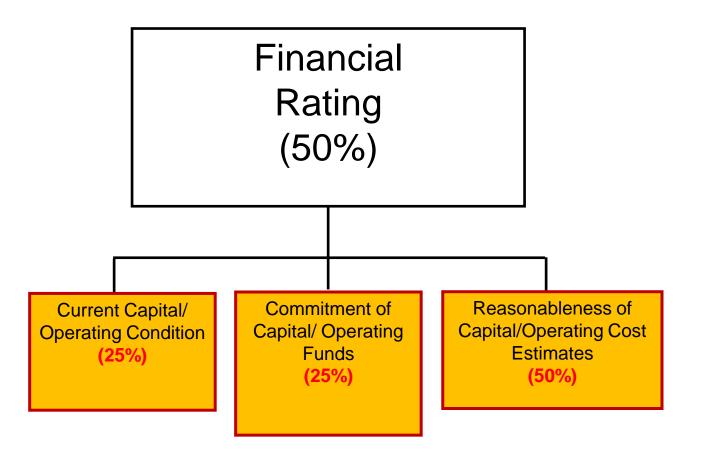
9.8 (SWLRT: SAFETEA-LU)



Small Starts Rating Criteria: MAP-21

- Economic Development: Increase affordable housing
- Land Use: Same breakpoints as New Starts
- Cost-Effectiveness: Only annualized federal cost share
- Environmental Benefit: Only annualized federal cost share
- Mobility Improvements: Same breakpoints as New Starts







Current Capital/Operating Conditions (25%)

- Average bus fleet age
- Bond rating within past two years
- Historical positive cash flow
- Ratio of assets to liabilities
- Service cutbacks in recent years



Commitment of Capital/Operating Funds (25%)

- Share of non-Section 5309 capital funds committed or budgeted
- Share of operation and maintenance funds committed or budgeted



Reasonableness of Capital/Operating Cost Estimates (50%)

- Conservative planning assumptions comparable to historical experience
- Reasonableness of the capital cost estimate
- Access to funds to cover cost increases or funding shortfalls including debt, cash reserve, other committed funds
- Financial capacity to withstand cost increase or funding shortfalls



Financial Rating Criteria: Small Starts

- Definition: Projects with total capital cost <\$250M and <\$75M in federal funds
- Simplified financial evaluation
 - Reasonable plan for securing local share
 - Additional operating and maintenance costs <5% of operating budget
 - Sponsor is in reasonably good financial condition
- High rating if meet requirements and request < 50% federal funding



Local Financial Commitment: Key Issues

- Projects receive one-level boost for providing a greater than 50% local match
- Requires local sources of capital and operating funds to be stable, reliable and available within project timetable
 - Statutorily required consideration: dedicated funding sources
- Still does not address whether local expenses for Project Development will be eligible local match for the FFGA
 - Expected to be addressed in next policy guidance



Program of Interrelated Projects: MAP-21

- Requires at least two fixed guideway or core capacity projects with logical connectivity
- PoP is evaluated as a whole and must meet FTA criteria
- Must have implementation plan demonstrating commencement of construction with in reasonable time frame
- Repayment required if PoP not implemented within reasonable time frame (with interest and penalties)
- Rulemaking and policy guidance not yet issued



SWLRT PE Technical Issues





SWLRT PE Technical Issues

| PEC West |
|-------------------------|
| PEC East |
| Joint PEC West/PEC East |

Technical issues:

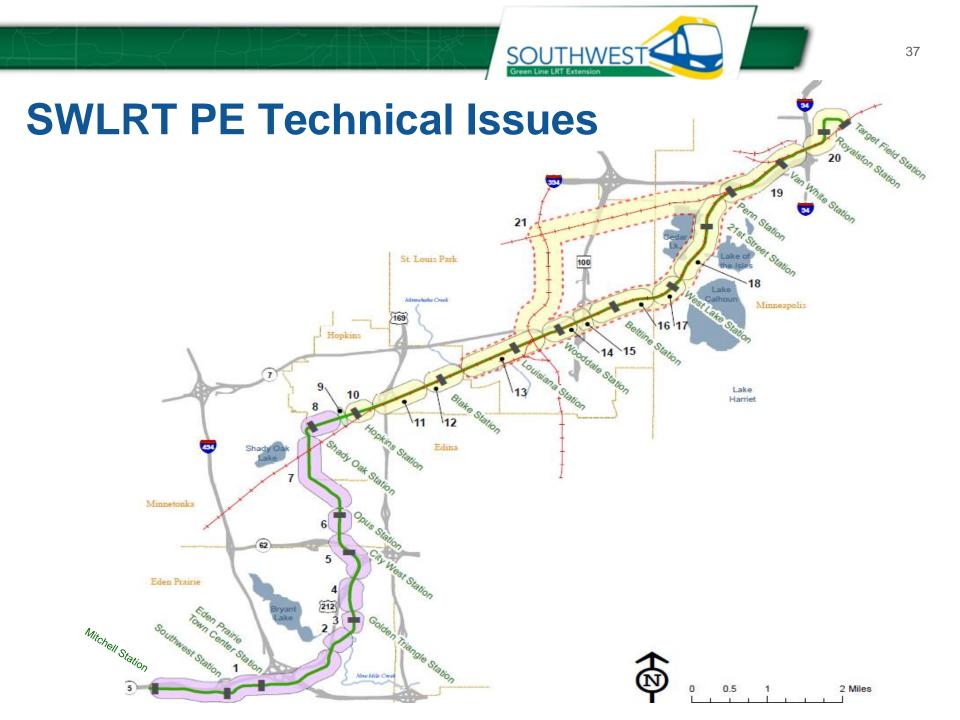
- 1. Eden Prairie Alignment
- 2. Nine Mile Creek Crossing
- 3. Golden Triangle Station
- 4. Shady Oak Road Crossing
- 5. City West Station and TH 212/TH 62 Flyover Bridges
- Opus Station
- 7. Minnetonka/Hopkins Bridge
- 8. Shady Oak Station

9. PEC West/PEC East Interface Point

- 10. Hopkins Station
- 11. Excelsior Blvd. Crossing
- 12. Blake Station
- 13. Louisiana Station
- 14. Wooddale Station
- 15. TH 100
- 16. Beltline Station
- 17. West Lake Station
- 18. Kenilworth Corridor
- Bassett Creek Valley Corridor
- 20. Royalston Station/Interchange Project Connection
- 21. Freight Rail Co-location/Relocation Alternatives

System-wide technical issues (not shown):

- 22. Traction Power Substation and Signal Bungalow Locations
- 23. OMF Location
- 24. Park & Ride, Kiss & Ride and Bus Layover Locations
- 25. Trails and LRT Interface Coordination





Technical Issue #23: Operations and Maintenance Facility (OMF)



EDEN PRAIRIE | MINNETONKA | EDINA | HOPKINS | ST. LOUIS PARK | MINNEAPOLIS



Operation and Maintenance Facility (OMF)

- OMF Activities:
 - LRV cleaning
 - LRV maintenance
- Central Corridor OMF:
 - 180+ jobs



Interior of Franklin (Hiawatha) OMF



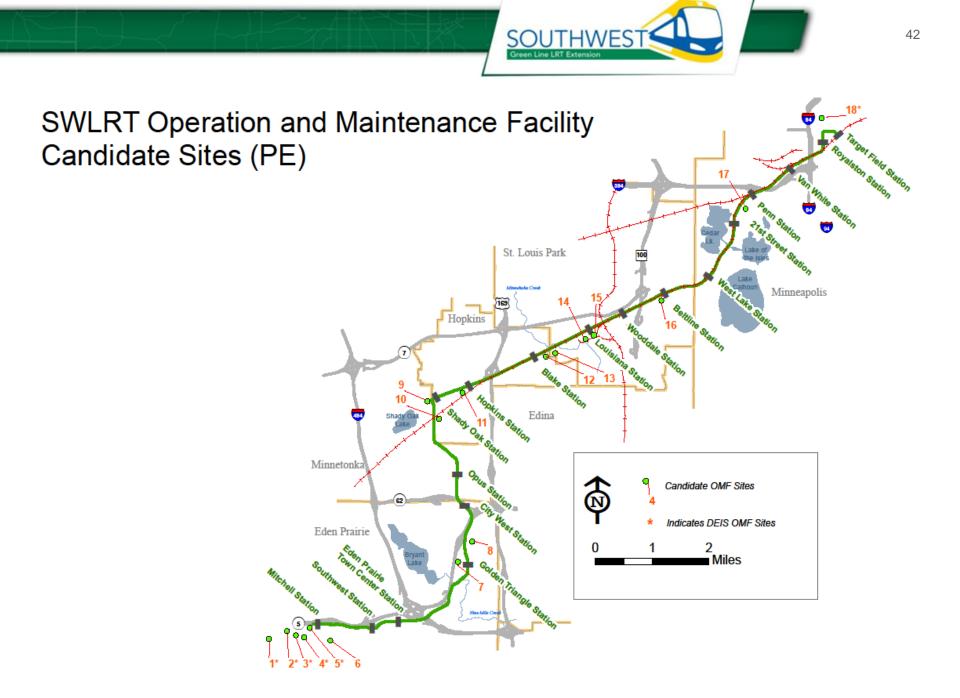
OMF Initial Site Selection Criteria

- Site size of 10 to15 acres
- Flat/rectangular site
- Efficient LRT train movements to/from
- Good roadway access to site
- Compatible with adjacent land use



OMF Candidate Sites

| OMF Site # | Description | City |
|------------|---|------------------------|
| 1* | 212 ROW | Eden Prairie |
| 2* | Wallace Road | Eden Prairie |
| 3* | City Garage West | Eden Prairie |
| 4* | City Garage East | Eden Prairie |
| 5* | Mitchell West | Eden Prairie |
| 6 | Mitchell East | Eden Prairie |
| 7 | Flying Cloud/W. 70 th Street | Eden Prairie |
| 8 | Shady Oak/W. 70 th Street | Eden Prairie |
| 9 | K-Tel | Minnetonka |
| 10 | 7 th Street (Landfill) | Hopkins |
| 11 | 11 th Avenue | Hopkins |
| 12 | Excelsior West | Hopkins |
| 13 | Excelsior East | Hopkins/St. Louis Park |
| 14 | Louisiana West | St. Louis Park |
| 15 | Louisiana East | St. Louis Park |
| 16 | Beltline | St. Louis Park |
| 17 | Penn | Minneapolis |
| 18* | 5 th Street North | Minneapolis |





SWLRT OMF Evaluation Criteria

Operational Characteristics

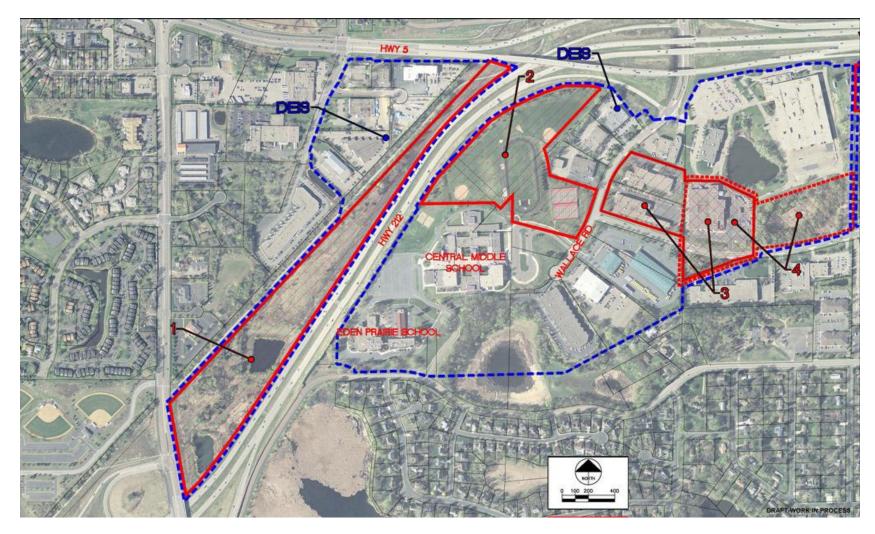
- 1 Site Configuration: operational effectiveness
- 2 Alignment Proximity/Connectivity: distance/connection to mainline
- 3 Alignment Location: geometric position on mainline
- 4 Site Access: access for operations staff

Site Characteristics

- 5 Adjacent Land Use Compatibility
- 6 TOD/Mixed Use/Economic Development Considerations
- 7 Zoning
- 8 Site & Facilities Cost: facilities, grading, utilities, soils
- 9 Real Estate Acquisition: cost, complexity, legalities
- 10 Relocation Cost: displaced occupants and uses
- 11 Environmental Impact: wetlands, hazardous materials
- 12 Cultural Resources: cultural, historical
- 13 Stormwater Management: drainage, treatment

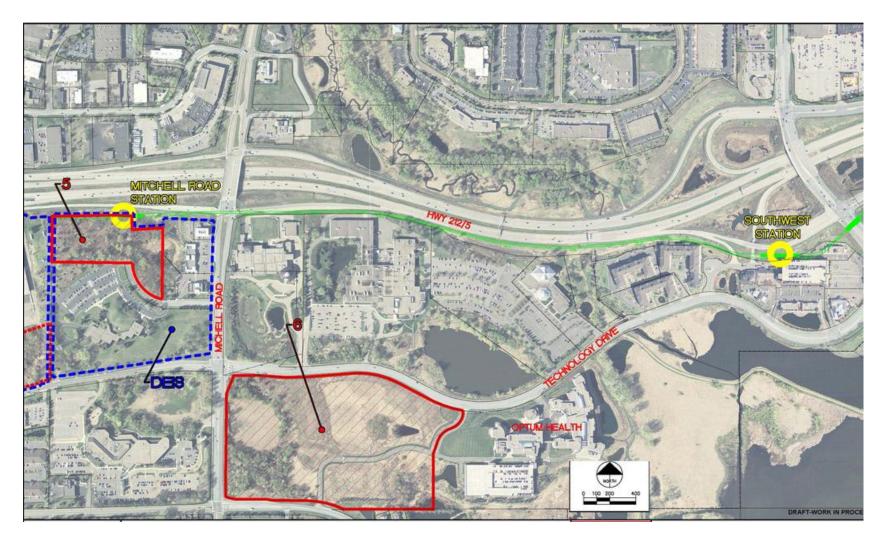


Candidate OMF Sites 1 – 4

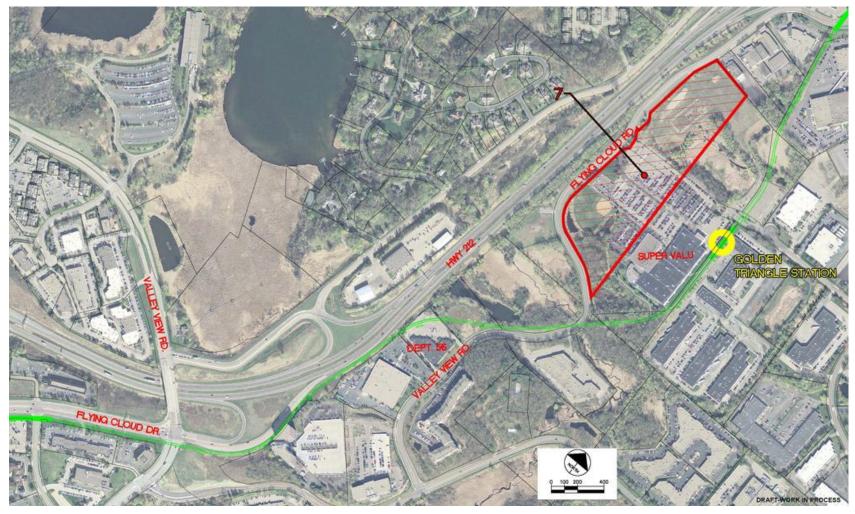




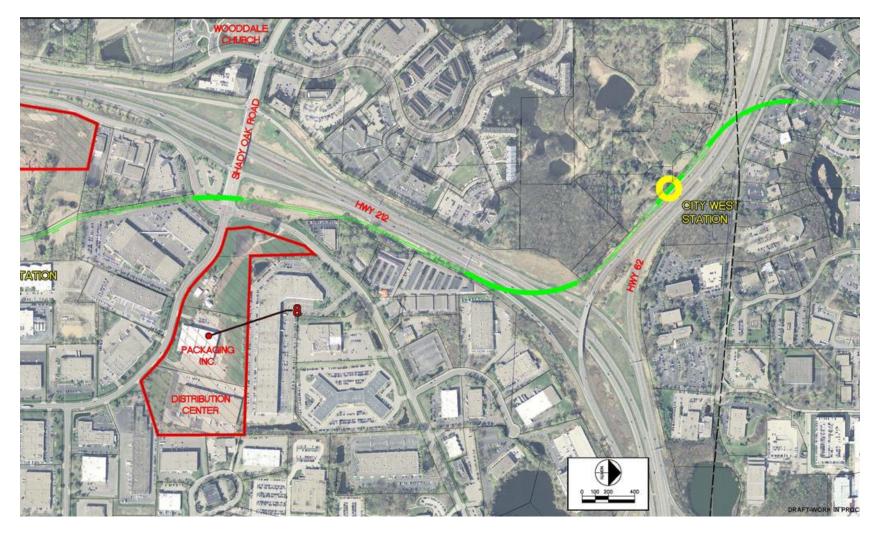
Candidate OMF Sites 5 & 6





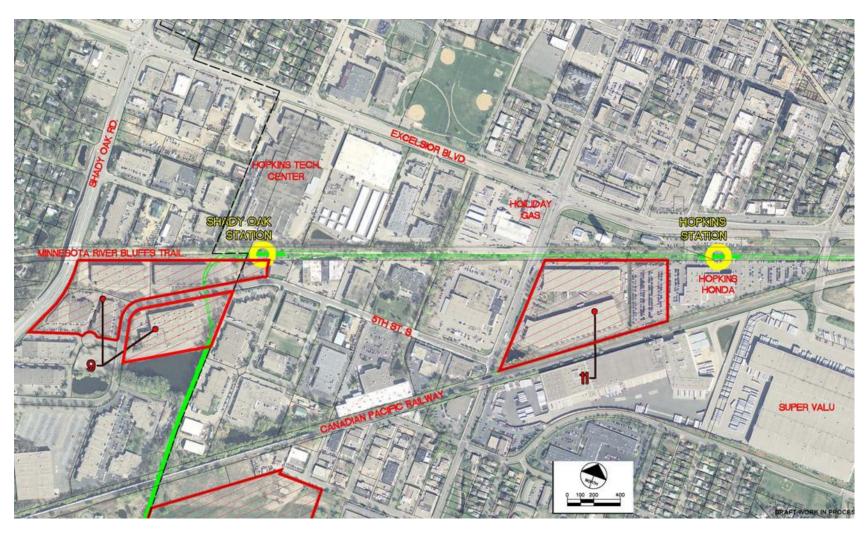




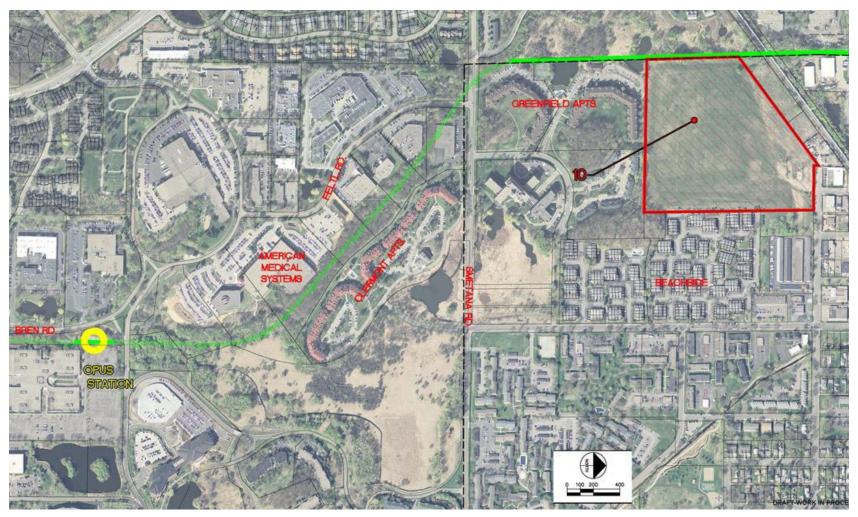




Candidate OMF Sites 9 & 11

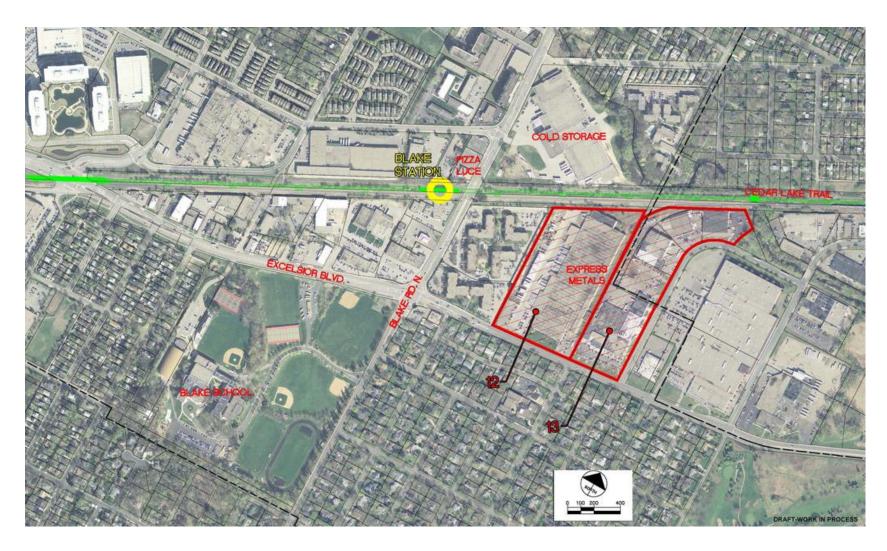






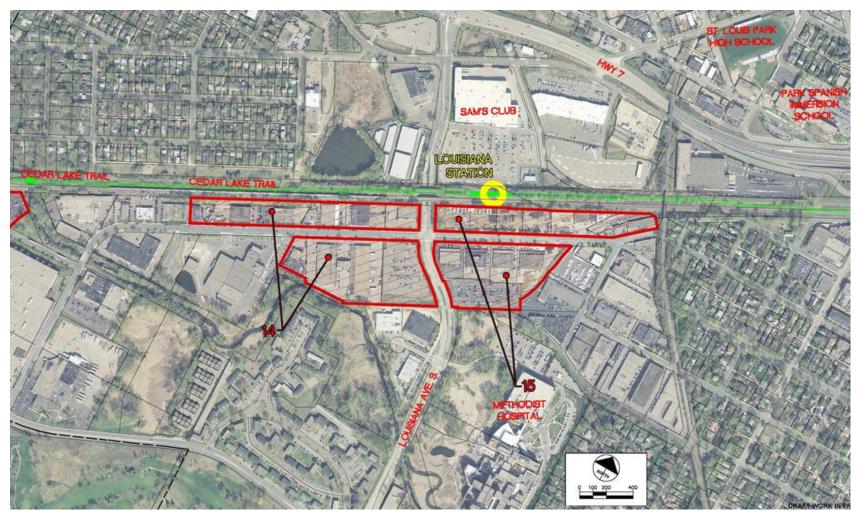


Candidate OMF Sites 12 & 13





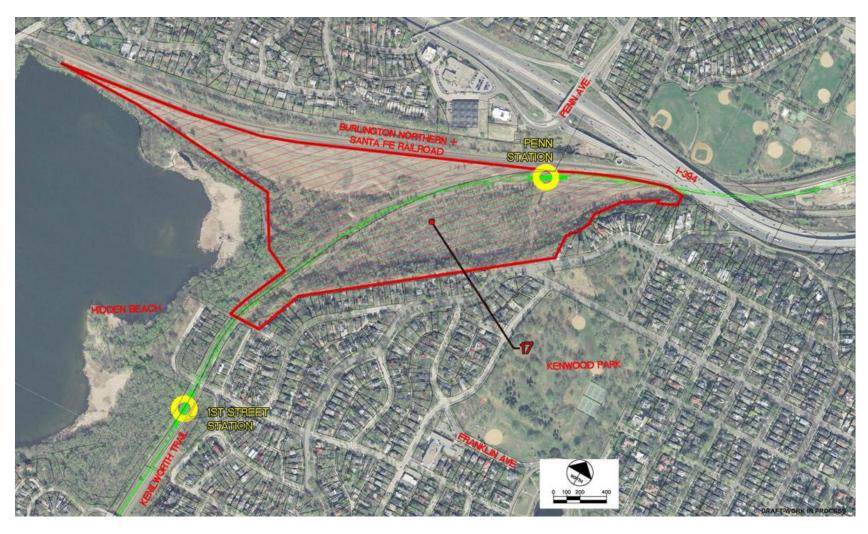
Candidate OMF Sites 14 & 15



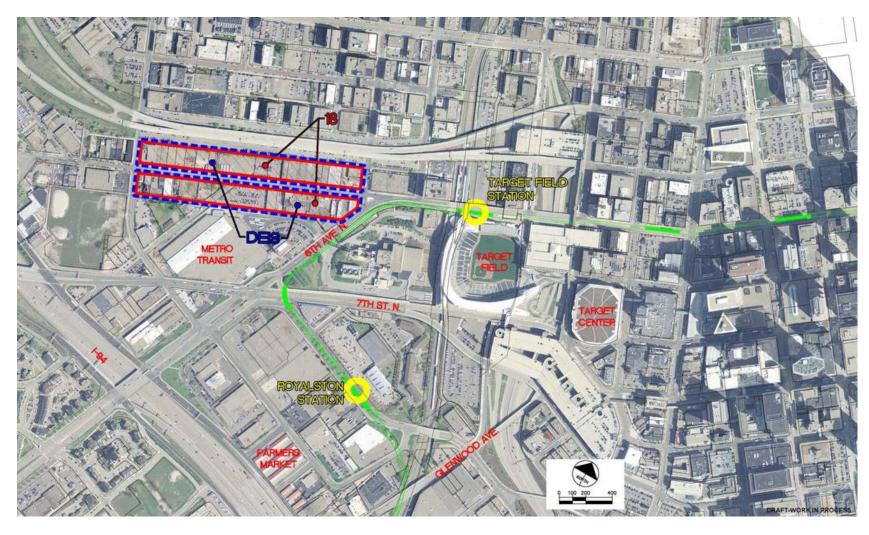














BAC and CAC OMF Comments

- March 27 BAC Meeting Key Themes:
 - Traffic impacts
 - Redevelopment/development impacts
 - Compatible land use
 - Removal of property from tax rolls
- March 28 CAC Meeting Key Themes:
 - Impacts to neighborhoods: noise, vibration
 - Compatible land use
 - Opportunity to serve multiple purposes on one site: i.e. station and OMF or existing business and OMF



OMF Technical Issue #23 Next Steps

- Narrow candidate list to 5 or 6 sites for input:
 - BAC April 24
 - CAC April 25
 - SWCMC May 1
- Public open houses in cities where one or more of the 5/6 sites reside: May



Technical Issue #21: Freight Rail



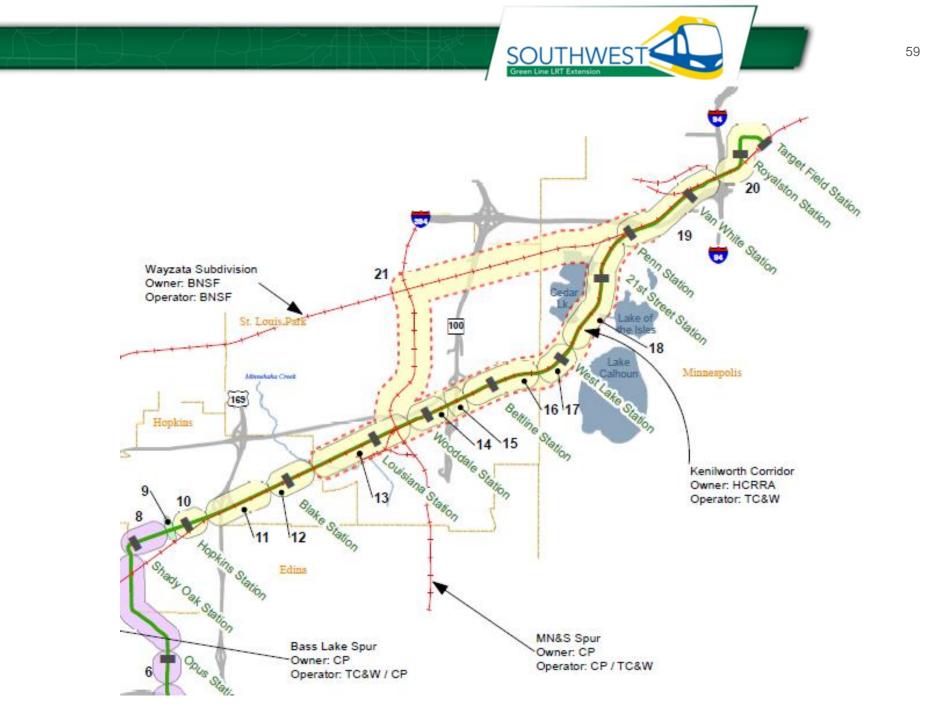
EDEN PRAIRIE | MINNETONKA | EDINA | HOPKINS | ST. LOUIS PARK | MINNEAPOLIS

Hennepin



Freight Rail Technical Issue #21

- Background:
 - Co-location and relocation analysis required by FTA as a condition to enter PE
 - Part of the Metropolitan Council's due diligence and responsibility as project sponsor





Freight Rail Technical Issue #21

- Review existing information
 - Train Volumes
 - Preliminary co-location Kenilworth Corridor review
 - DEIS proposed freight rail relocation route



Freight Rail Technical Issue #21 Existing Train Volumes

| Railroad and Route | Avg. Weekly Trains | Avg. Number of Cars Per Train | Typical Commodities |
|--------------------------------------|-----------------------|-------------------------------------|----------------------|
| TC&W/ Bass Lake and Kenilworth | 14 | 65 – 75 | Agri-goods |
| | 3 | 80 – 125 | Ethanol, Grain, Coal |
| CP/ MN&S | 10 | 10 – 25 | Local Services |
| BNSF/ Wayzata Subdivision | 91 | 80 – 125 | Wide Variety |

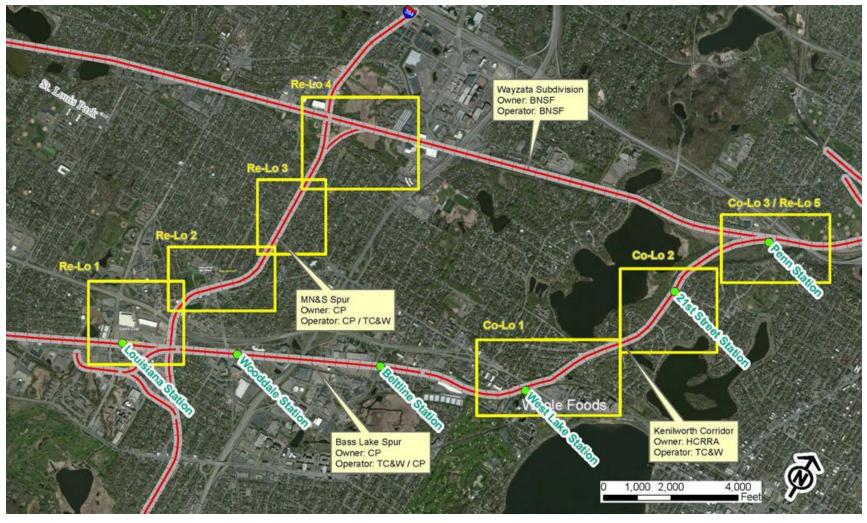


Freight Rail Technical Issue #21

- Overview of Track Characteristics:
 - Curvature
 - Maximum Grade
 - Maximum Compensated Grade (curvature + maximum grade)
- Challenges
- Opportunities

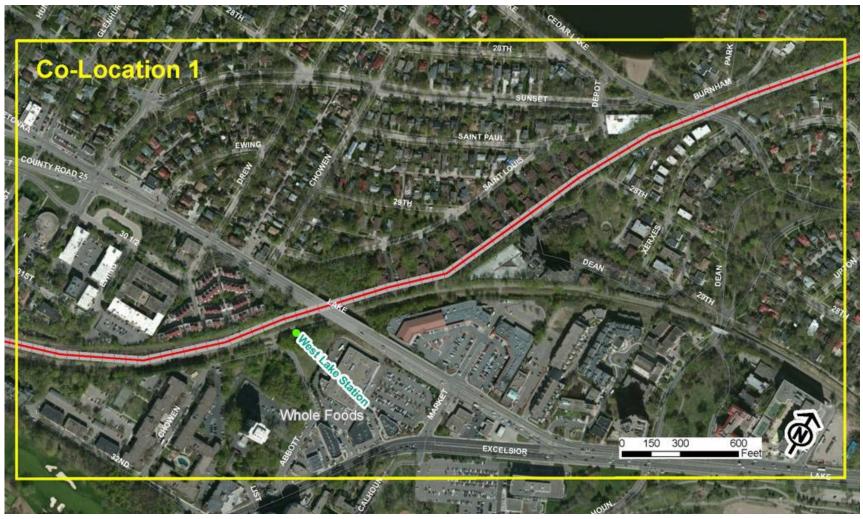


Overview





Co-Location 1



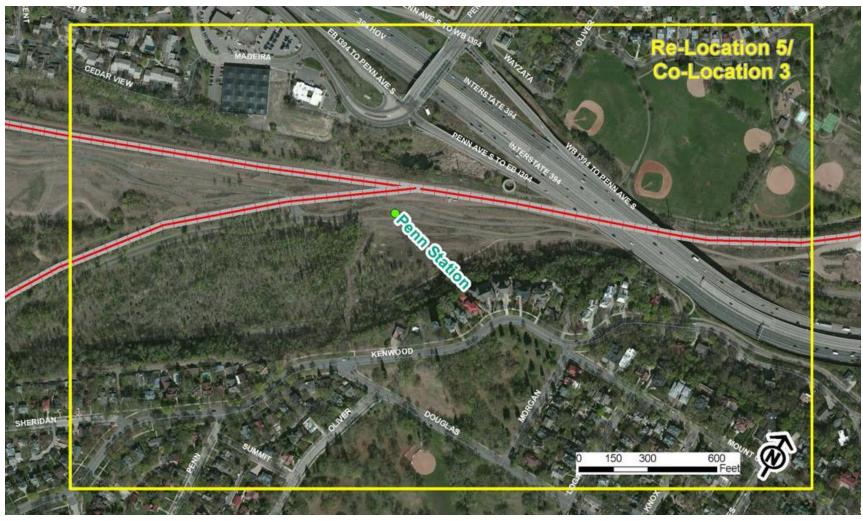


Co-Location 2

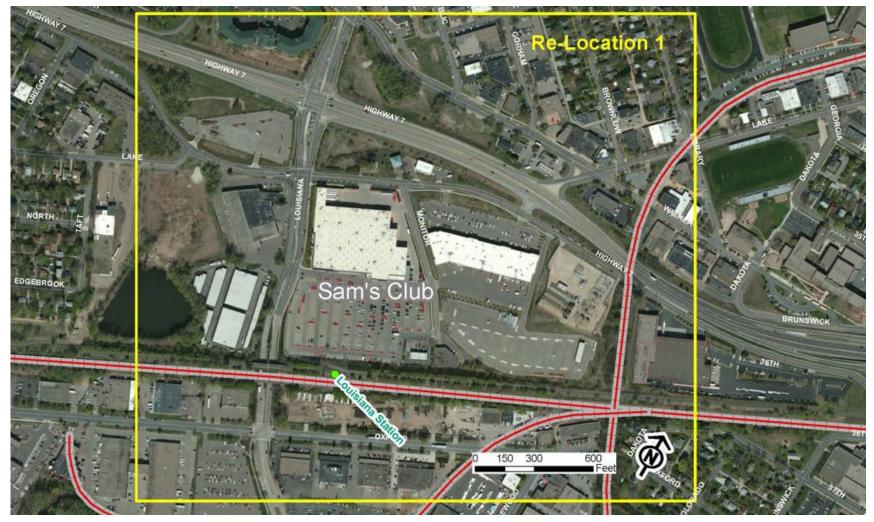




Co-Location 3







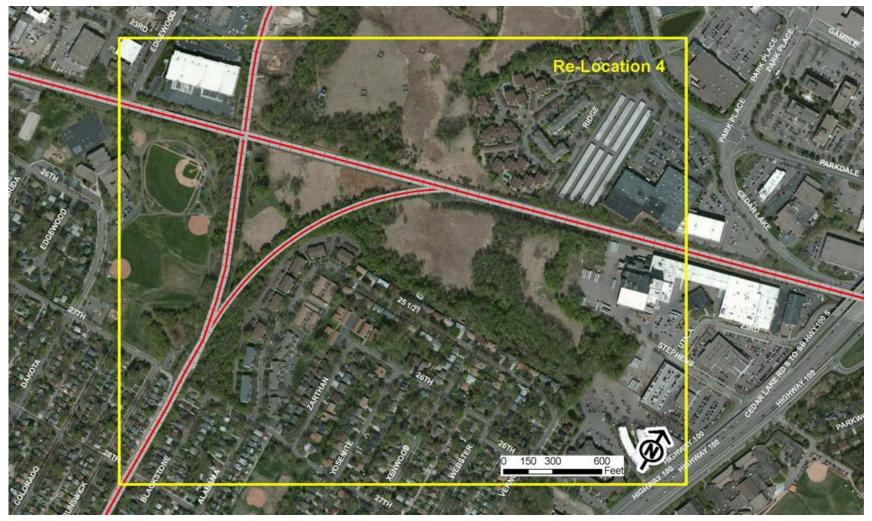


















BAC and CAC Freight Rail Comments

- March 27 BAC Meeting Key Themes:
 - Re-location of trails may produce ample space for co-location alternative
 - Impacts to commercial properties need to be quantified
- March 28 CAC Meeting Key Themes:
 - Strong opinions about the location of freight rail
 - Explore other options: e.g. stacking LRT and freight in co-location
 - Questions about the Surface Transportation Board and their authority



Freight Rail Technical Issue #21 Next Steps

- Co-locate and relocation design workshop
 - BAC May 29
 - CAC May 30
 - SWCMC June 5
- Corridor-wide public open houses: June/July



Communications and Outreach Update



EDEN PRAIRIE | MINNETONKA | EDINA | HOPKINS | ST. LOUIS PARK | MINNEAPOLIS

Hennepin



SPO Community Outreach Activities

| Date | Event/Sponsor | SPO Activity |
|--------|---|----------------------------------|
| Mar 06 | Minneapolis Business Breakfast Club | SWLRT presentation given |
| Mar 08 | TwinWest Chamber Legislative Meeting | Staff shared project information |
| Mar 13 | West Calhoun Neighborhood Meeting | Staff shared project information |
| Mar 12 | West Calhoun Neighborhood Meeting | Staff attended |
| Mar 16 | Safety in the Park Freight Rail Walking Tour | Staff attended |
| Mar 23 | Kenilworth Alliance Group | Staff shared project information |
| Mar 26 | Hopkins Lions Meeting | Staff shared project information |
| Mar 29 | Centro de Trabajadores Unidos en la Lucha (CTUL) | Staff shared project information |
| Apr 1 | Royalston Business Tour | Staff attended |



March 27 BAC Meeting

- Transit Return on Investment Report Overview
 - Jay Cowles, Co-chair Itasca
 Project Transportation Committee
- Station Area Action Plans (TSAAP) Overview
- Technical Issues Discussion: Operations and Maintenance Facility



March 27 BAC meeting

 Technical Issues Discussion: Freight Rail Co-location/ Relocation



March 28 CAC Meeting

- Station Area Action Plans (TSAAP) Overview
- Eden Prairie Workshop Summary
- Technical Issues Discussion: Operations and Maintenance Facility
- Technical Issues Discussion: Freight Rail Co-location/ Relocation





March 28 CAC meeting



Website Redesign www.SWLRT.org



SOUTHWEST LRT

Project Facts

Route

Stations

Public Involvement

Environmental

Project Partners

Committees

SOUTHWEST LIGHT RAIL TRANSIT

Green Line Extension - Eden Prairie to Downtown Minneapolis

Alternatives for improved transit in the Southwest Corridor have been under study since the mid-1980s. In November 2009, the Hennepin County Regional Railroad Authority (HCRRA) recommended construction of a light rail transit (LRT) line between Eden Prairie and downtown Minneapolis. The proposed line would connect near Target Field with the Blue Line (Hiawatha LRT, in service since 2004) and the Green Line (Central Corridor LRT, entering service in 2014), as well as the Northstar commuter rail line. As currently proposed, the line would be 15.8 miles long with 17 new stations. The total project cost of \$1.25 billion would be funded through a mix of federal, state and local sources.

Project Status

The Southwest LRT/Green Line Extension Project is currently in the Engineering phase of project development. The Project received approval to enter Preliminary Engineering (PE) from the Federal Transit Administration (FTA) in September 2011. In



More Information

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