

## **Corridor Management Committee**

July 10, 2013















## **Today's Topics**

- NEPA Update
- Project Development Technical Issues (TI)
  - SWLRT Stations: Louisiana, Beltline, West Lake, and 21<sup>st</sup> Street
  - TH 100 and Cedar Lake Parkway
  - Minnetonka / Hopkins Bridge
  - OMF Location: 2-3 Finalist Sites
- Communications and Outreach Update
  - BAC Report
  - CAC Report
  - June 13 Freight Rail Open House Summary
  - Station Open Houses Summary



# National Environmental Policy Act (NEPA) Update















### **NEPA Update**

- FTA and Met Council intend to develop a Supplemental DEIS (SDEIS)
  - Evaluate potential new environmental impacts
  - Notice of Intent will be published in the Federal Register and EQB Monitor
  - Design adjustments and issue resolution activities continue as part of the preliminary engineering process
- Final EIS will incorporate responses to comments received on the DEIS and SDEIS



## SWLRT Project Development Technical Issues

Revision 04: 28 May 2013

#### Technical Issues:

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

#### 9. PEC West/PEC East Interface Point

- 10. Downtown 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
- 19. Bassett Creek Valley Corridor
- 20. Royalston Station/Interchange Project Coordination
- 21. Freight Rail Co-location/Relocation Alternatives

PEC West

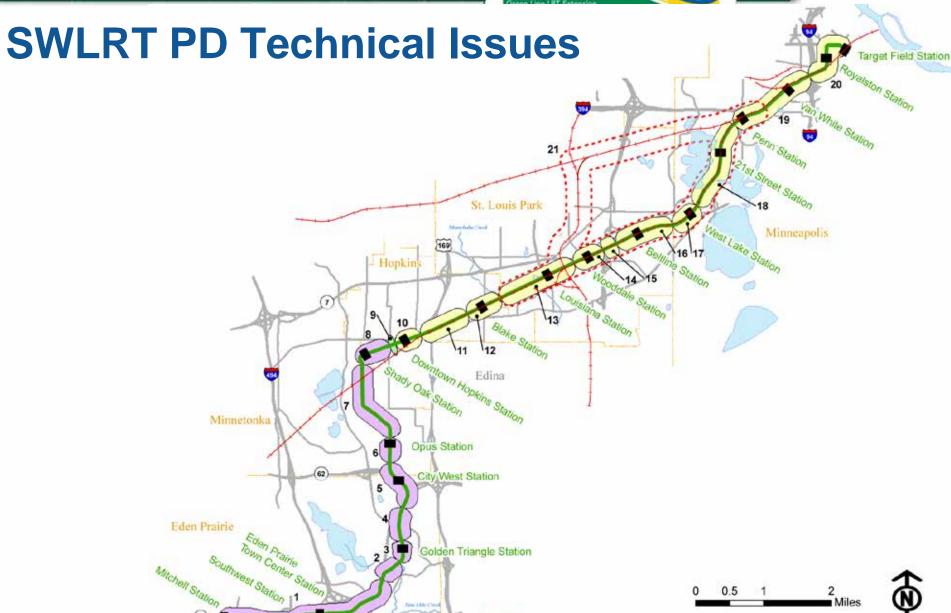




#### System-wide Technical Issues (not shown):

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









See packet of corresponding Aerial Maps

## **SWLRT Stations: Louisiana, Beltline, West Lake, and 21<sup>st</sup> Street**

**TH 100 and Cedar Lake Parkway** 













SOUTHWEST

SOUTHWEST LIGHT RAIL

ST. LOUIS PARK LOUISIANA STATION 2A CO-LOCATION







SOUTHWEST

#### SOUTHWEST LIGHT RAIL

ST. LOUIS PARK LOUISIANA STATION 2B RELOCATION







#### SOUTHWEST LIGHT RAIL

ST. LOUIS PARK LOUISIANA STATION 2C - CO-LOCATION







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#### SOUTHWEST LIGHT RAIL

ST. LOUIS PARK LOUISIANA STATION 2C - RELOCATION







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#### SOUTHWEST LIGHT RAIL

ST. LOUIS PARK LOUISIANA STATION 4 - CO-LOCATION







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ST. LOUIS PARK - BELTLINE STATION 1 CO-LOCATION







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ST LOUIS PARK - BELTLINE STATION 2 CO-LOCATION

IRT #16 Rev 1 06/06/2013







SOUTHWEST

SOUTHWEST LIGHT RAIL

ST. LOUIS PARK - BELTLINE STATION 2 RELOCATION

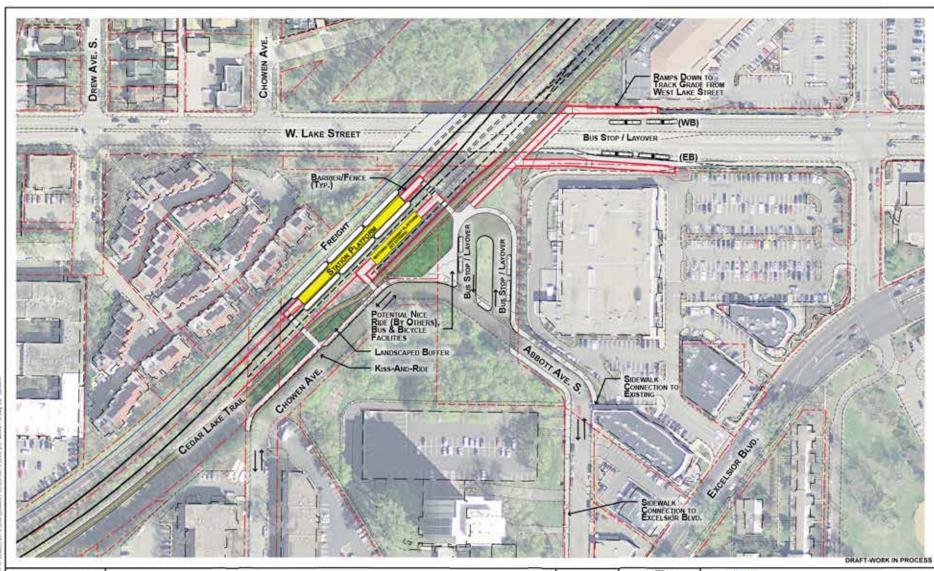
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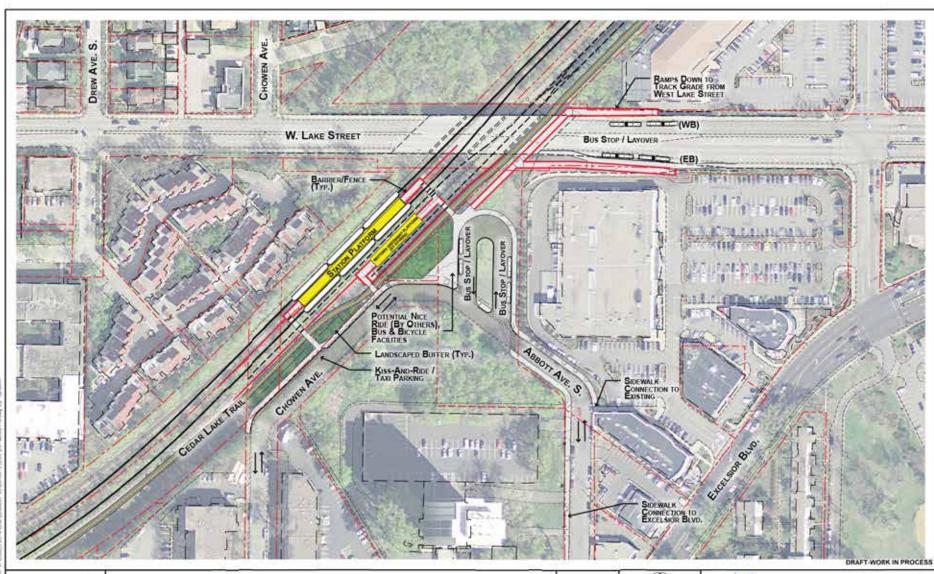






Kimley-Horn and Associates, Inc.

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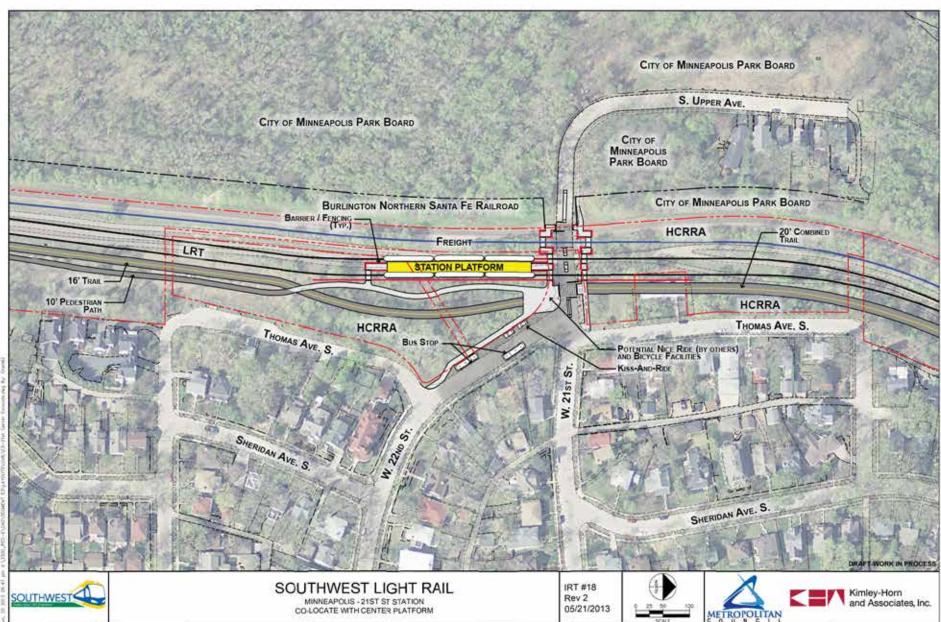
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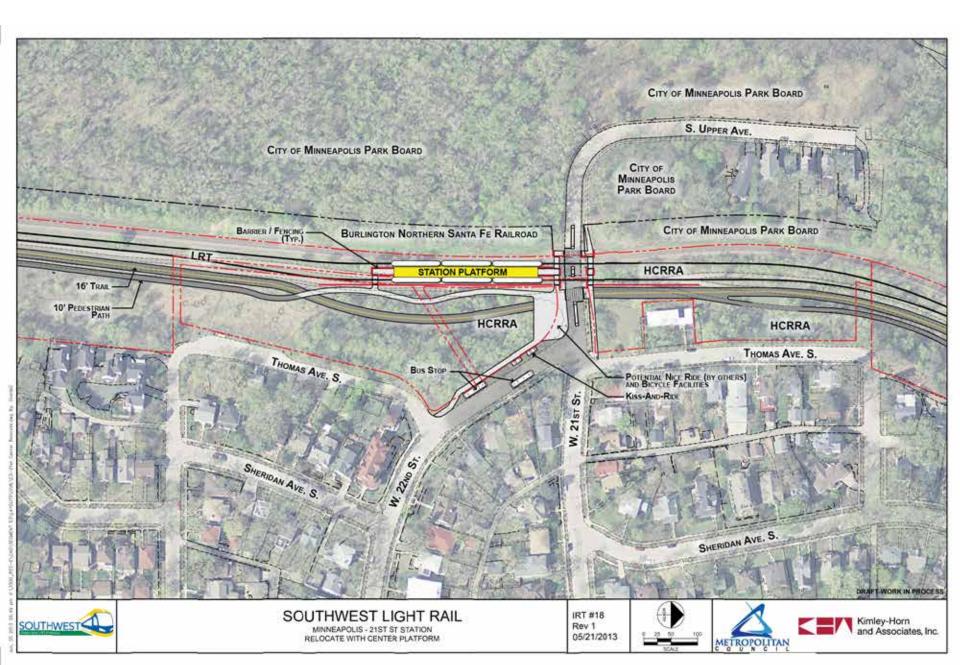
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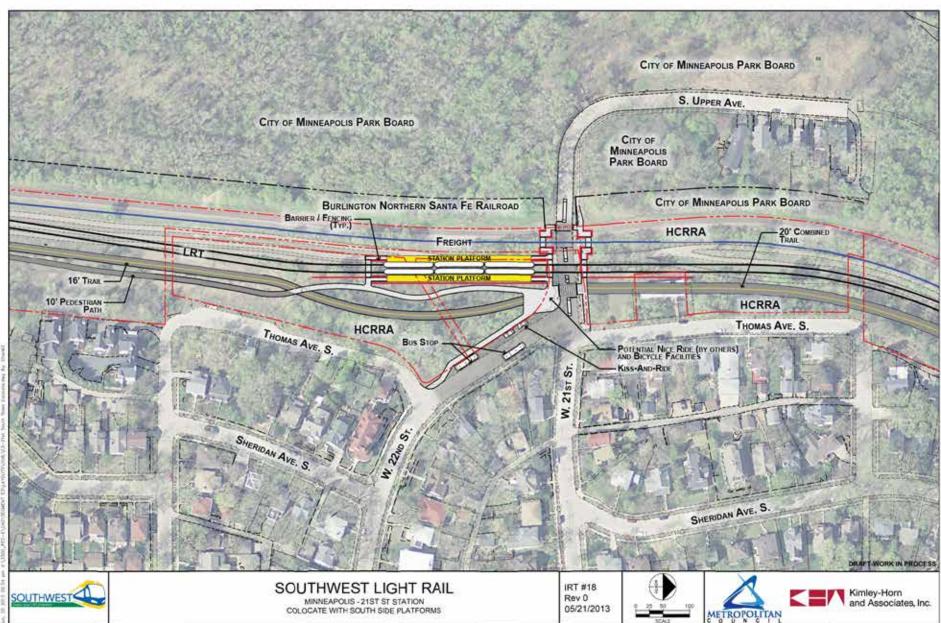
MINNEAPOLIS - WEST LAKE STREET STATION - 1C RELOCATION

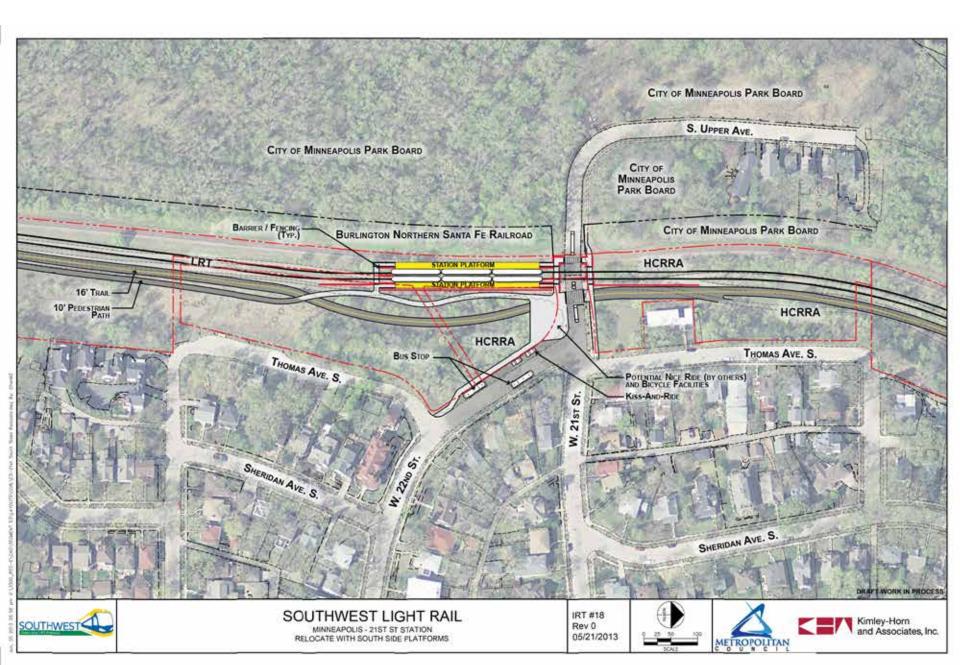
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### SOUTHWEST LIGHT RAIL MINNEAPOLIS - 21ST ST STATION CENTER PLATFORM CO-LOCATE

IRT #18 Rev 0 05/21/2013









### SOUTHWEST LIGHT RAIL MINNEAPOLIS - 21ST ST STATION CENTER PLATFORM RE-LOCATE

IRT #18 Rev 0 06/06/2013









#### SOUTHWEST LIGHT RAIL

MINNEAPOLIS - 21ST ST STATION SIDE PLATFORMS CO-LOCATE

IRT #18 Rev 0 05/21/2013







Kimley-Horn and Associates, Inc.

#### SOUTHWEST LIGHT RAIL

MINNEAPOLIS - 21ST ST STATION SIDE PLATFORMS RE-LOCATE

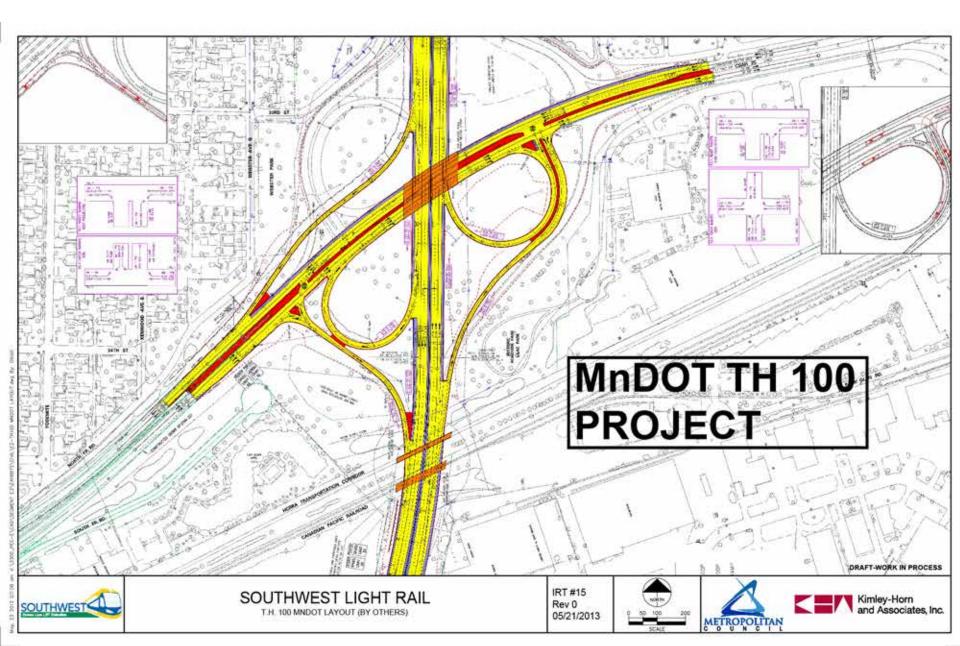
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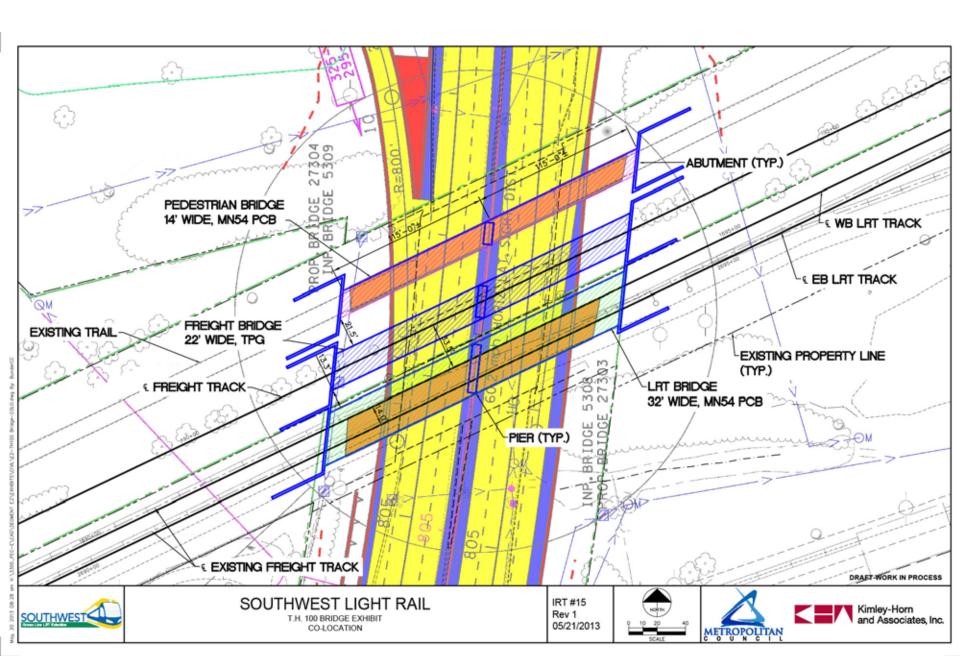


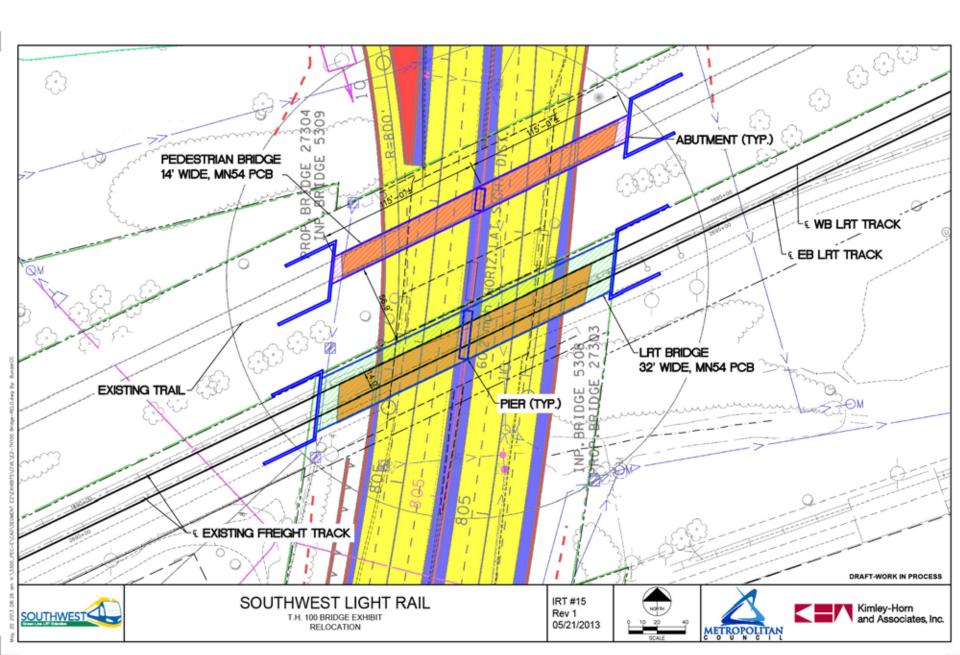


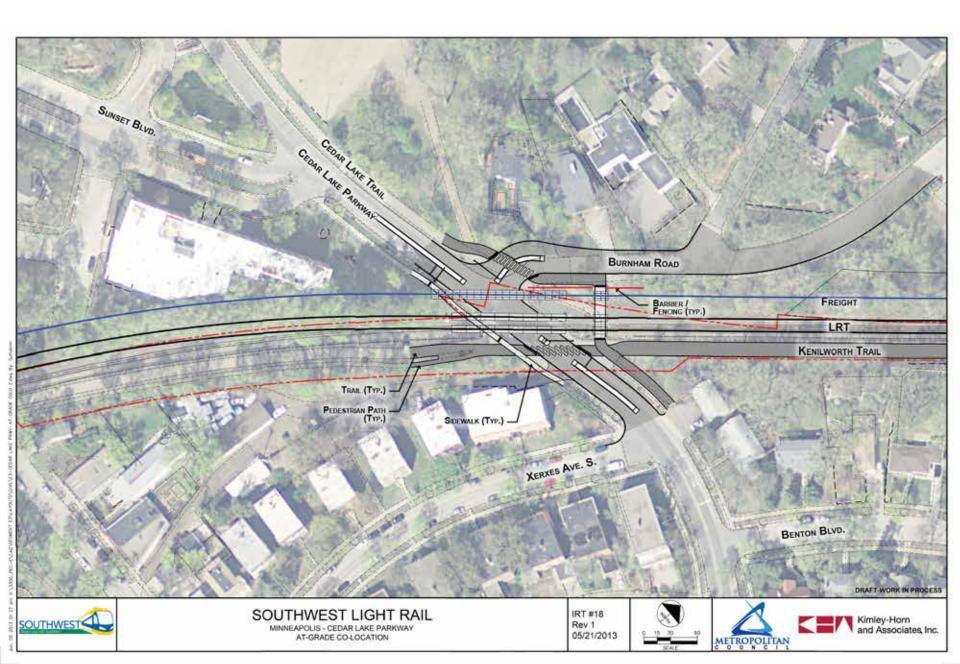


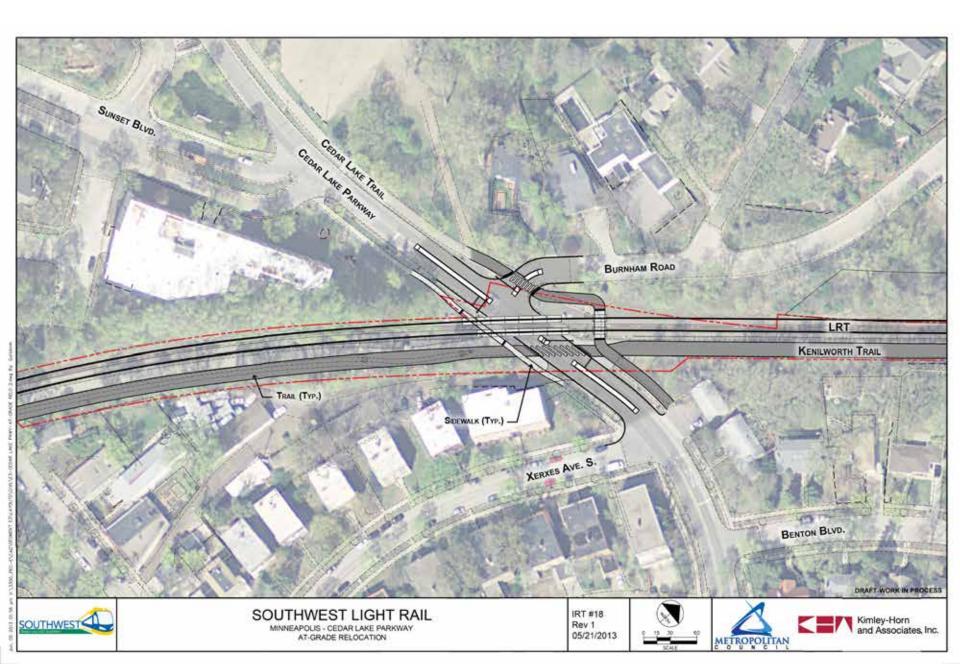
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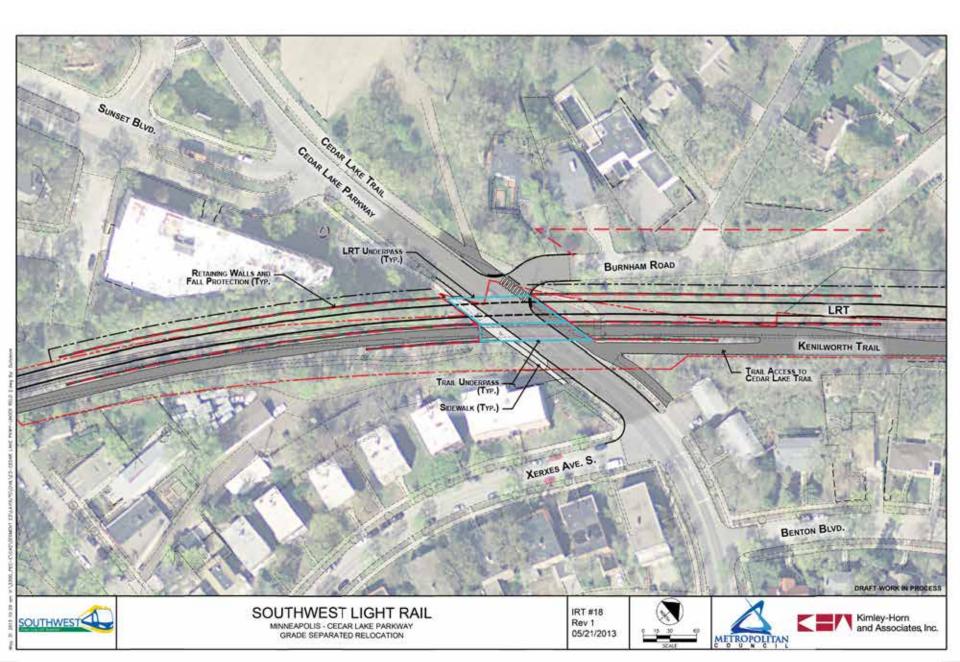














## Minnetonka/Hopkins Bridge Technical Issue #7



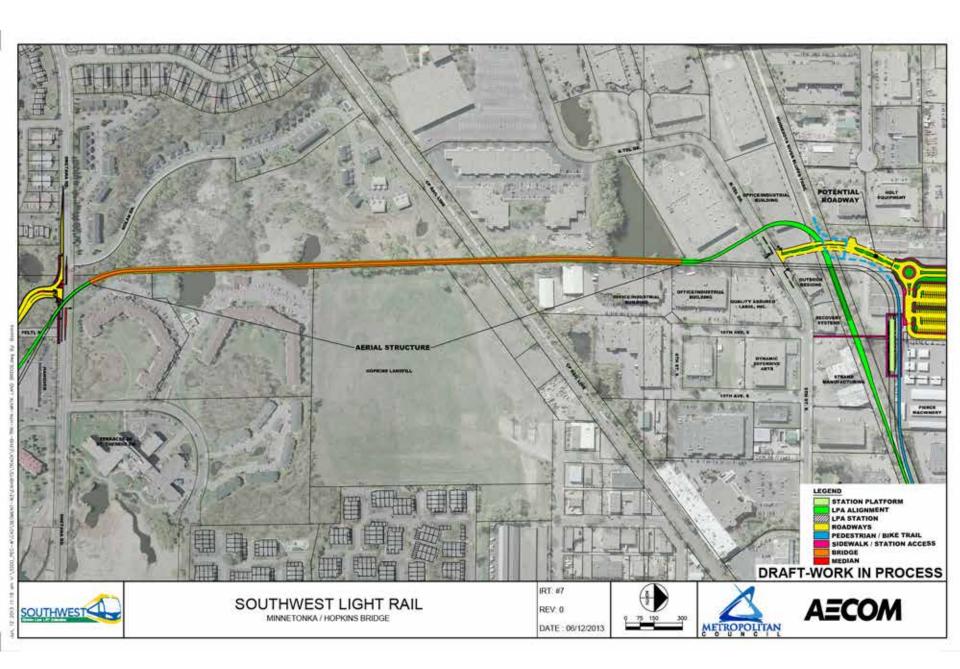














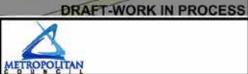


#### SOUTHWEST LIGHT RAIL

MINNETONKA' HOPKINS BRIDGE OPTION 1; VIEW LOOKING SOUTHEAST IRT: 7

REV: 0

DATE: 06:12.2013











#### SOUTHWEST LIGHT RAIL

MINNETONKA/ HOPKINS BRIDGE OPTION 3: VIEW LOOKING SOUTHEAST IRT: 7

REV: 0

DATE: 08.12.2013





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















### OMF Technical Issue #23: Site Selection Process Overview

- Tier 1 Identified 18 candidate sites (March)
- Tier 2 Identified 7 candidate sites (April/May)
- Tier 3 Identify 2-3 candidate sites (June)
- Tier 4 Identify recommended site (July)



## **OMF Technical Issue #23: Tier 1 Site Selection Criteria**

- Site size of 10 to 15 acres
- Flat/rectangular
- Efficient LRT train movement
- Good roadway access to site
- Compatible with adjacent land use



# OMF Technical Issue #23: Tier 2 & Tier 3 Evaluation Criteria

Operational Characteristics		
•	Site Configuration: operational effectiveness	
•	Alignment Proximity/Connectivity: distance/connection to mainline	
•	Alignment Location: geometric position on mainline	
•	Site Access: access for operations staff	
Site Characteristics		
•	Adjacent Land Use Compatibility	
•	TOD/Mixed Use/Economic Development Considerations	
•	Zoning	
•	Site & Facilities Cost: facilities, grading, utilities, soils	
•	Real Estate Acquisition: cost, complexity, legalities	
•	Relocation Cost: displaced occupants and uses	
•	Environmental Impact: wetlands, hazardous materials	
•	Cultural Resources: cultural, historical	
•	Stormwater Management: drainage, treatment	



# **OMF Technical Issue #23: Tier 2 Site Selection Process**

- Developed concept layouts for 7 candidate sites; reviewed with Metro Transit Operations and Maintenance
- Combined candidate sites 3 and 4 into one site
- Combined candidate sites 12 and 13 into one site
- Held three public open houses
- Reviewed 7 candidate sites and layouts with cities;
   requested additional input from cities



# **OMF Technical Issue #23: Tier 2 7 Candidate Sites**

Site Number	Name (City)
3 / 4	City Garage West/East (Eden Prairie)
6	Mitchell East (Eden Prairie)
8	Shady Oak/Flying Cloud (Eden Prairie)
9	K-Tel (Minnetonka)
9A	K-Tel East (Hopkins)
11A	Eleventh Avenue West (Hopkins)
12 / 13	Excelsior West/East (Hopkins/St. Louis Park)



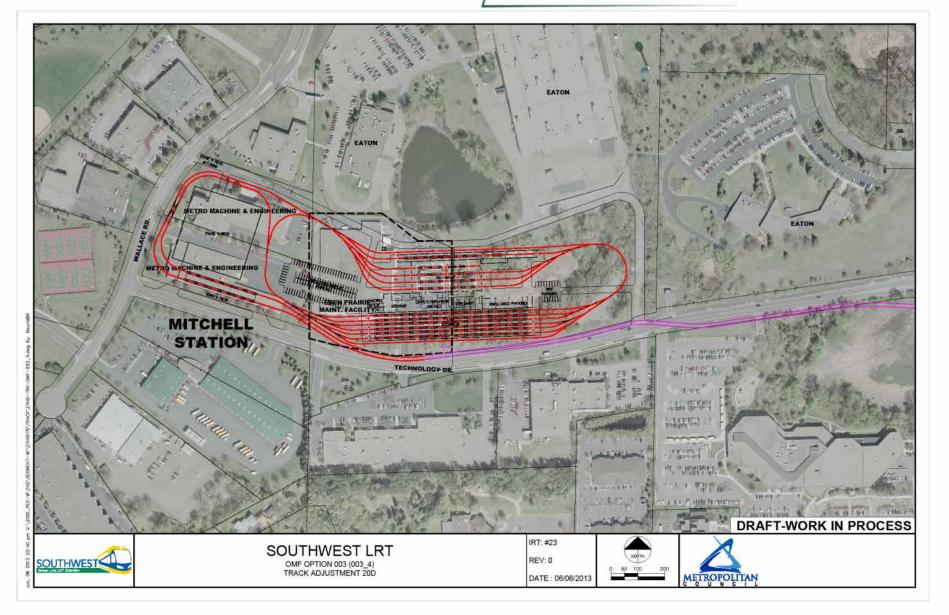
## **OMF Technical Issue #23: Tier 3 Site Evaluation Process**

- Conducted additional evaluation using the 13 criteria
  - Developed preliminary cost estimates
  - Confirmed land use and zoning requirements
  - Reviewed available development agreements
  - Evaluated environmental considerations
- Reviewed findings with cities



## **OMF Technical Issue #23: Tier 3 Site Evaluation Process**

- Common factors to all 7 candidate sites
  - Site size and geometry meet space program needs
  - Require private parcel acquisition
  - Use not represented in comp plans or zoning requirements
  - Pose tax base impacts



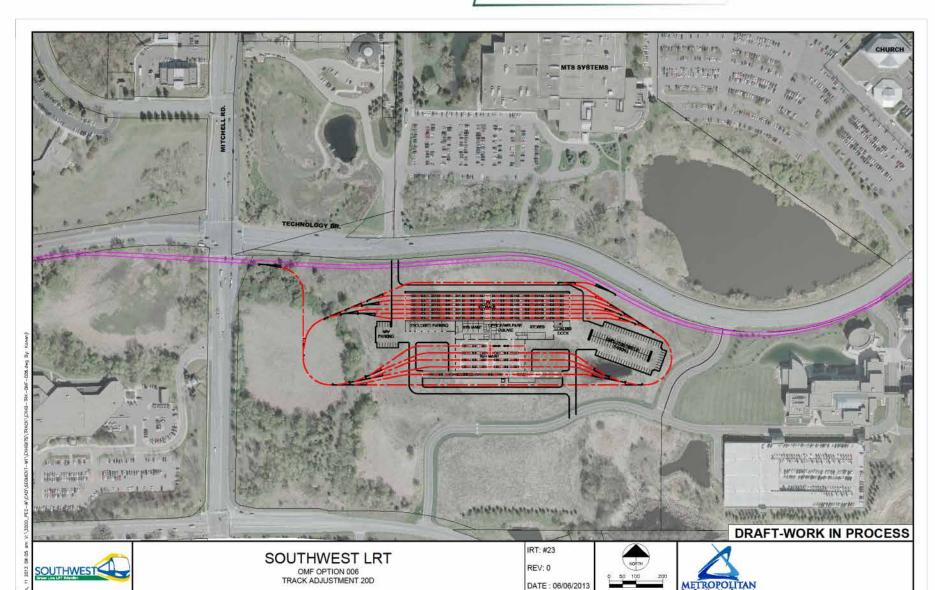


# **OMF Technical Issue #23: Tier 3 Site 3/4 - City Garage**

### Strengths:

- Consistent with land use guiding and zoning
- Acceptable to City with conditions
- Opportunity to include station and park-and-ride facilities on site

- Site dependent on Eden Prairie alignment (Technical Issue #1)
- Wetland impacts
- Noise and vibration impact concern to Eaton property
- End-of-line location poses operational limitations
- Requires coordination with station and park-and-ride facilities





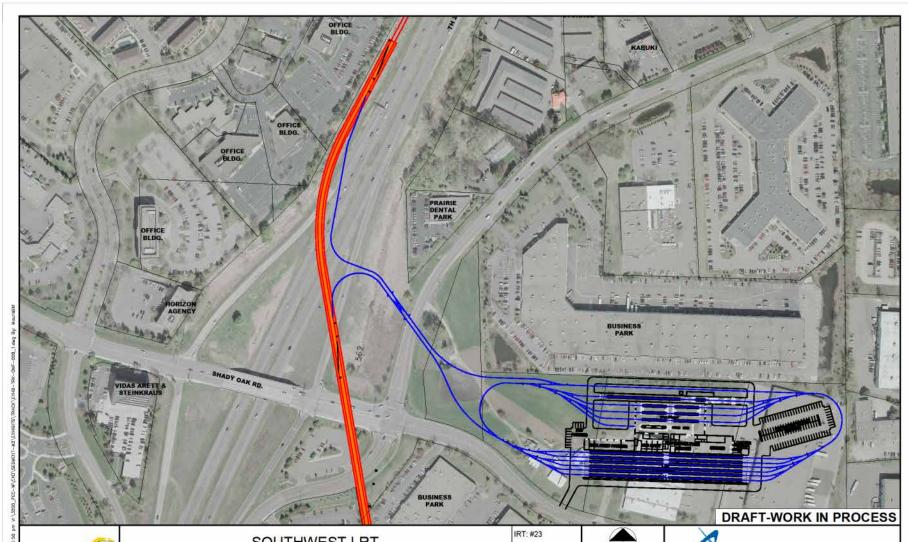
# OMF Technical Issue #23: Tier 3 Site 6 - Mitchell East

### Strengths:

Undeveloped property

- Site dependent on Eden Prairie alignment (Technical Issue #1)
- Operator relief access
- Wetland impacts
- Not consistent with City and property owner development plans (AUAR, PUD)
- Residential use to the south





SOUTHWEST

SOUTHWEST LRT

OMF SITE 008 (008\_1) TRACK ADJUSTMENT 51A

REV: 0

DATE: 05/22/2013





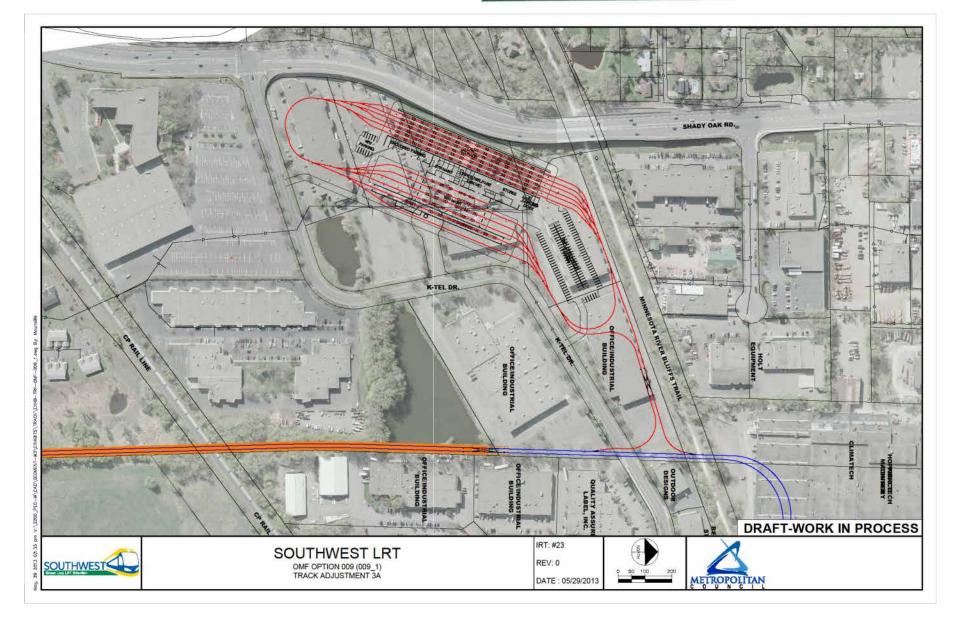
# OMF Technical Issue #23: Tier 3 Site 8 - Shady Oak/Flying Cloud Drive

#### Strengths:

Consistent with land use guiding and zoning

- Not consistent with City reuse/redevelopment plans
- Operator relief access
- Requires significant lead track structure







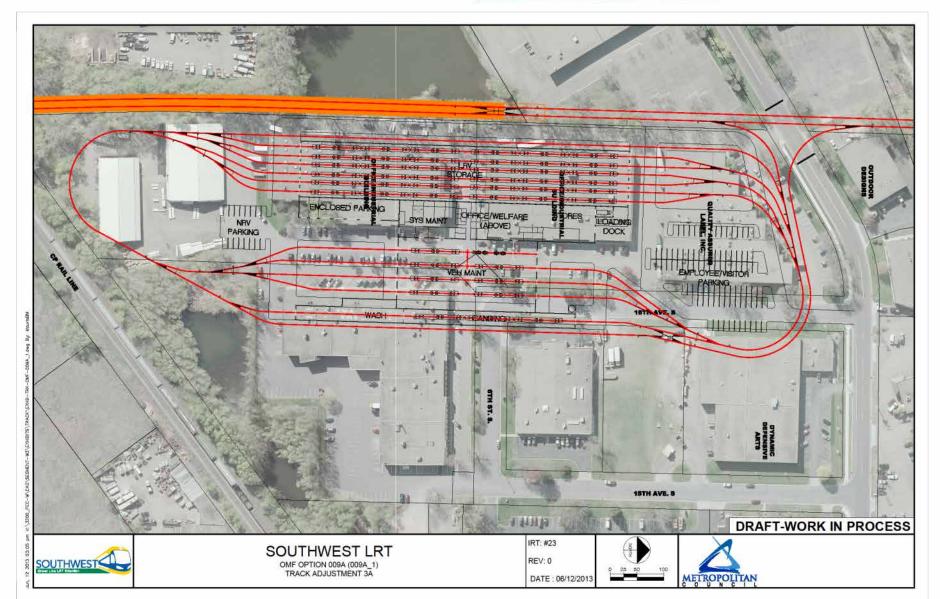
## **OMF Technical Issue #23: Tier 3 Site 9 - K-Tel**

#### Strengths:

Consistent with land use guiding and zoning

- Requires sewer interceptor relocation
- Residential use across Shady
   Oak Road to the west
- Sensitive medical assembly facility to the south





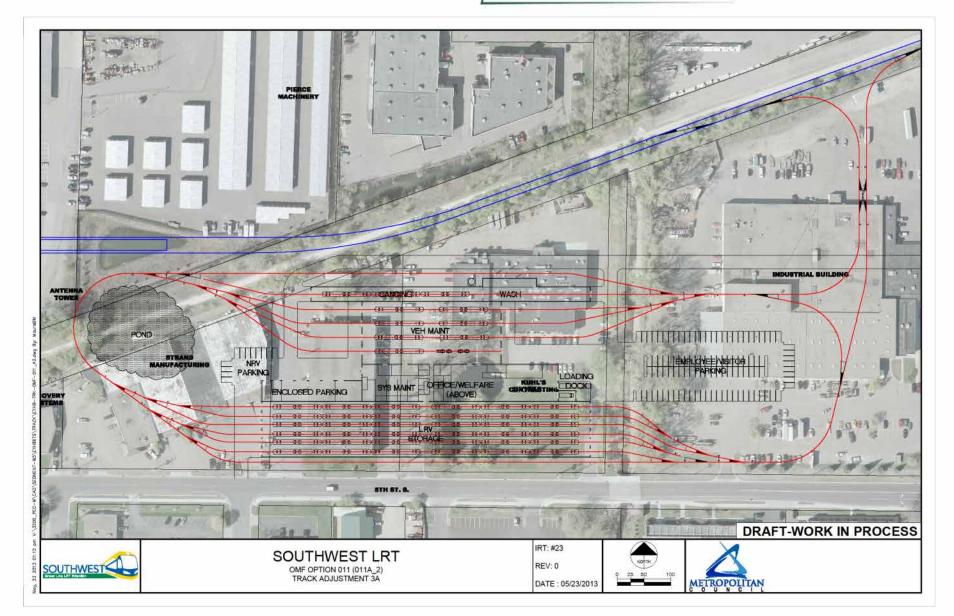


# **OMF Technical Issue #23: Tier 3 Site 9A - K-Tel East**

#### Strengths:

- Consistent with land use guiding and zoning
- Operator relief access
- Freight rail and proposed LRT alignment buffer south and west property borders
- Redevelopment potential of remnant areas

- Wetland impacts
- Flood-prone conditions
- Geotechnical considerations in southern portion of site



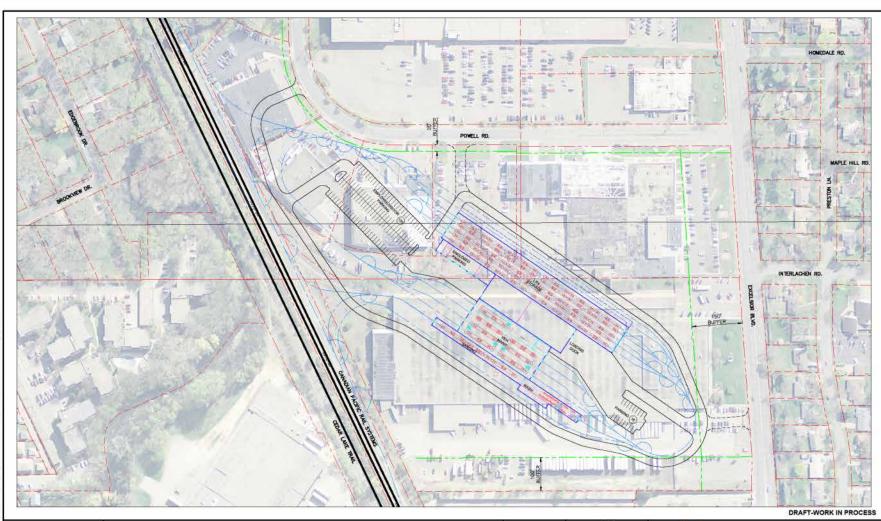


## **OMF Technical Issue #23: Site 11A - 11<sup>th</sup> Avenue West**

#### Strengths:

- Consistent with land use guiding and zoning
- Operator relief access

- Nine Mile Creek crosses site
- Known site contamination
- Potential development impact to Shady Oak Station area





HOPKINS & ST. LOUIS PARK OMF SITE 12 & 13 - COMBINED 1 APRIL 23, 2013

IRT #23 Rev 1 04/23/2013









## **OMF Technical Issue #23: Tier 3 Site 12/13 - Excelsior**

### Strengths:

- Redevelopment potential of remnant areas
- Operator relief access

- Environmental Justice concerns
- Neighborhood opposition
- Multi-family residential use to the west
- Single family residential use to the south
- Not consistent with land use guidance and City redevelopment goals



# **OMF Technical Issue #23: Tier 3 Preliminary Cost Estimates**

Site		<b>Delta to LPA</b>
Number	Name (City)	(MM)*
3/4	City Garage (Eden Prairie)	\$30 - \$35
6	Mitchell East (Eden Prairie)	\$25 - \$30
8	Shady Oak/Flying Cloud Drive (Eden Prairie	\$45 - \$50
9	K-Tel (Minnetonka)	\$50 - \$55
9A	K-Tel East (Hopkins)	\$35 - \$40
11A	11 <sup>th</sup> Avenue West (Hopkins)	\$40 - \$45
12/13	Excelsior (Hopkins/St. Louis Park)	\$45 - \$50

<sup>\*</sup> Year of Expenditure (YOE) \$'s



# **OMF Technical Issue #23: Tier 3 Primary Cost Drivers**

Site #	Name (City)	<b>Cost Drivers</b>
3/4	City Garage (Eden Prairie)	<ul><li>Site demolition / clearing</li><li>Yard tracks on structure</li></ul>
6	Mitchell East (Eden Prairie)	<ul> <li>Yard tracks on structure</li> </ul>
8	Shady Oak/Flying Cloud Drive (Eden Prairie	<ul><li>Load tracks on structure</li><li>Retaining structures</li></ul>
9	K-Tel (Minnetonka)	<ul><li>Site demolition / clearing</li><li>Sewer interception relocation</li></ul>
9A	K-Tel East (Hopkins)	<ul><li>Site demolition / clearing</li><li>Site grading / earthwork</li></ul>
11A	11 <sup>th</sup> Avenue West (Hopkins)	<ul><li>Yard tracks on structure</li><li>Site demolition / clearing</li></ul>
12/13	Excelsior (Hopkins/St. Louis Park)	<ul><li>Site grading / earthwork</li><li>Special track work</li></ul>



# **OMF Technical Issue #23: Tier 3 Recommended Two Candidate Sites**

Site	
Number	Name (City)
3/4	City Garage (Eden Prairie)
9A	K-Tel East (Hopkins)



### **OMF Technical Issue #23: Next Steps**

- Present recommended site / seek input
  - Business Advisory Committee July 24 [25]
  - Community Advisory Committee July 25
  - SWLRT Corridor Management Committee August 7
  - Metropolitan Council August
- Continue design refinement environmental evaluation



### A Look Ahead: Design & Engineering

- Q3 2013: Submit Municipal Consent SWLRT Plans for City and County Review
- Q4 2013: Complete Municipal Consent Approval Process
- Q1 2014: Finalize 30% Design Plans and Specs



### Communications and Outreach Update















### June 6 Special Joint BAC/CAC Meeting

- Technical Issue Presentations:
  - Freight Rail: Co-location and Relocation Options
  - SWLRT Stations: Louisiana, Beltline, West Lake and 21st St.
  - TH 100 and Cedar Lake Parkway
- Next Steps/Open Houses:
  - June 13: Freight Rail Co-location and Relocation
  - June 17 June 26: SWLRT Stations
- Technical Issues Workshop/Discussion



#### June 6 BAC/CAC Comments

- Freight Co-location Options
  - Concerned with impacts to residential properties
  - Concerned about corridor aesthetics and noise
  - More open to deep bore tunnel option through corridor
- Freight Relocation Options
  - Concerned with impacts to school properties
  - Concerned about visual impacts of freight rail structures
  - Concerned with impacts to business and residential properties



#### June 6 BAC/CAC Comments

- Louisiana, Beltline, West Lake and 21<sup>st</sup> Street
   Stations
  - Encourage multi-modal access to stations
  - Concerned about on-street neighborhood parking impacts
  - Ensure opportunities for development are preserved around stations



### June 6 BAC/CAC Comments

- TH 100
  - Concerned about MnDOT project timing and construction
- Cedar Lake Parkway
  - Prefers LRT underpass scenario



June 6
Special Joint
BAC and CAC
Meeting



### June 13 Freight Rail Open Houses

- Location: Benilde-St.
   Margaret's School, St.
   Louis Park
  - 8:00 9:30 AM
  - 4:30 7:00 PM
- Over 300 attendees







### Freight Rail Open Houses – June 13





### Freight Rail Open Houses: Feedback

- Corridor-wide
  - Support for LRT
  - Minimize property acquisitions
  - Select the best investment vs. what is the least costly option

#### Co-location

- Tunnel options seen as a "win-win" for both communities
- Minimize impacts to parkland/trails

#### Relocation

- Minimize impacts to schools and local businesses
- Increased elevation of freight trains perceived as a safety issue
- Freight structures viewed as dividing the community



### **Station Open Houses**

- Station Open Houses:
   June 17 June 26
  - June 17: Minneapolis
  - June 17: Minneapolis
  - June 18: Minnetonka/Hopkins
  - June 20: St. Louis Park
  - June 24: Minneapolis
  - June 26: Eden Prairie
- 330+ attendees
- 240+ comments received







### June 26 BAC and June 27 CAC Meetings

- Hennepin County Works Update:
  - TSAAP Open House Summary
  - Mind-Mixer Demonstration
  - Focus Group Outreach
- Technical Issue Presentations/Discussion:
  - Minnetonka/Hopkins Bridge
  - Operations and Maintenance Facility Candidate Sites Update
  - TH 100 and Cedar Lake Parkway
  - Freight Rail and Station Open Houses Summary
- National Environmental Policy Act (NEPA) Process
- Mid-Year Check-in/Discussion
- Member and Committee Reports/Public Forum



# Freight Rail Open Houses/Community Upcoming Meetings

- July 17: Jones-Harrison Residence (3700 Cedar Lake Avenue, Minneapolis)
- July 18: St. Louis Park High School (6425 W 33rd Street, St. Louis Park)
- Meeting Format:
  - Open House: 4:30 5:30 p.m.
  - Presentation: 5:30 6:15 p.m.
  - Facilitated Q & A Session: 6:15 7:00 p.m.



### June SPO Community Outreach Activities

Date	Event/Group	SPO Role	Number of Attendees
6/5	Meeting with Curt Rahman and Tenants	Share Project Information, Seek Input	7
6/6	TwinWest Chamber	Share Project Information, Seek Input	60
6/6	Krause Anderson	Share Project Information	5
6/7	Tour of Eaton Facility	Seek Input, Gather Data	7
6/8	CIDNA Trail Users Information Event	Share Project Information	300
6/9	MN Jazz Festival on the Prairie	Share Project Information	200
6/10	Redstone Operations/Owner Meeting	Share Project Information	5
6/10	Meeting with Skunk Hollow businesses	Share Project Information, Seek Input	15
6/10	St. Louis Park School Board Meeting	Share Project Information	30
6/11	St. Louis Park Wooddale area	Share Project Information	200
6/12	Cedar Lake Shores Lane Meeting	Share Project Information, Seek Input	4
6/12	Flagship Office and Copeland Building Owners	Share Project Information	8
6/13	I-494 Corridor Commission	Share Project Information	23
6/14	Property Owner Meeting	Share Project Information/Seek Feedback	7
6/15	Property Owner Meeting Lane Meeting	Share Project Information/Seek Feedback	10
6/15	St. Louis Park's Parktacular	Share Project Information	150
6/17	Lake Citihome Association Board Meeting	Share Project Information/Seek Feedback	8
6/18	Discount Tire Meeting	Share Project Information	5
6/19	Property Owner Meeting Lane Meeting	Share Project Information/Seek Feedback	10
6/20	Riley Purgatory Creek Bluff Watershed District	Share Project Information	6
6/21	St. Louis Park Rotary Club	Share Project Information	25
6/24	St. Louis Park School Board Meeting	Share Project Information	30
6/25	Brooklawns Neighborhood Meeting	Share Project Information	25
6/27	Brunswick Zone	Share Project Information	6
7/1	New American Academy Graduation	Share Project Information	50
7/4	Fourth of July Festival	Share Project Information	700



#### **More Information**

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Twitter:

www.twitter.com/southwestlrt

