

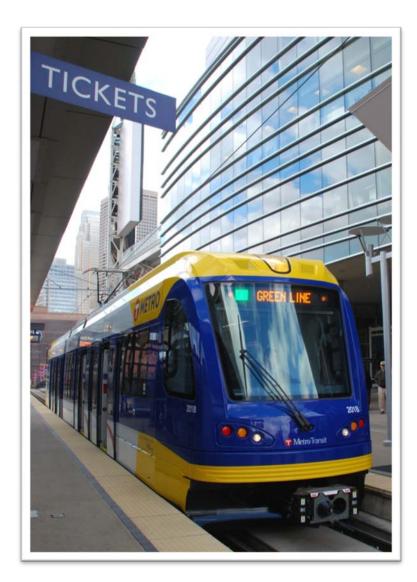
Metropolitan Council Transportation Committee

October 14, 2013



Today's Topics

- Project Scope Recommendation
 - Eden Prairie Alignment
 - Freight Rail
 - Operations and Maintenance Facility
- Project Budget Recommendation
- Project Schedule





Project Scope and Budget Recommendation

- Reflects input and coordination:
 - DEIS comments: received 900+ public comments
 - City/Agency input: held 100+ Issue Resolution Team meetings
 - Project advisory input: BAC, CAC, SWCMC
 - Public input received from 16 public open houses (2100+ attendees and 1300+ public comments) and 160+ community/stakeholder meetings
 - TSAAP coordination
- Establishes scope for Municipal Consent Plans
- Provides context for continued discussions with stakeholders as project moves forward



Project Scope Recommendation



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

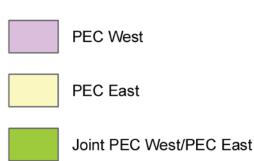
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SWLRT Project Development Technical Issues

Revision 04: 28 May 2013

Technical Issues:

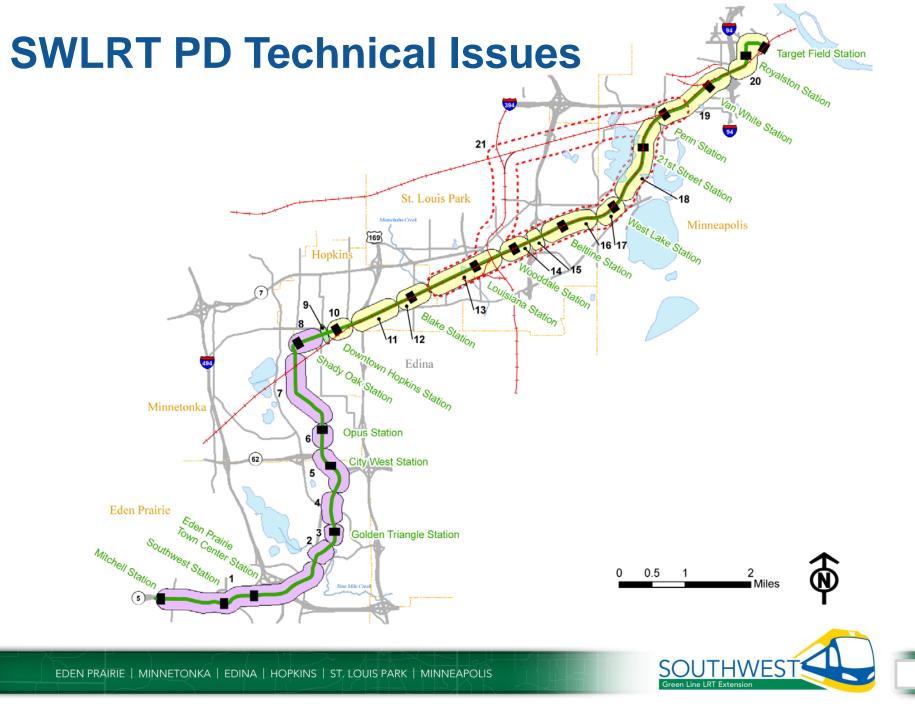
- 1. Eden Prairie Alignment
- 2. Nine Mile Creek Crossing
- 3. Golden Triangle Station
- 4. Shady Oak Road & TH 212 Crossing
- 5. City West Station & TH 62 Crossing
- 6. Opus Station
- 7. Opus Hill/Minnetonka-Hopkins Bridge
- 8. Shady Oak Station
- 9. PEC West/PEC East Interface Point
- 10. Downtown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



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





Project Scope Recommendation

- Design adjustments and cost estimates
 - Technical Issues (TI) #2 20, 22, 24 and 25
 - Big three issues
 - TI #1 Eden Prairie Alignment
 - o TI #21 Freight Rail Co-location/Relocation
 - TI #23 Operations and Maintenance Facility (OMF)



Corridor Management Committee Actions

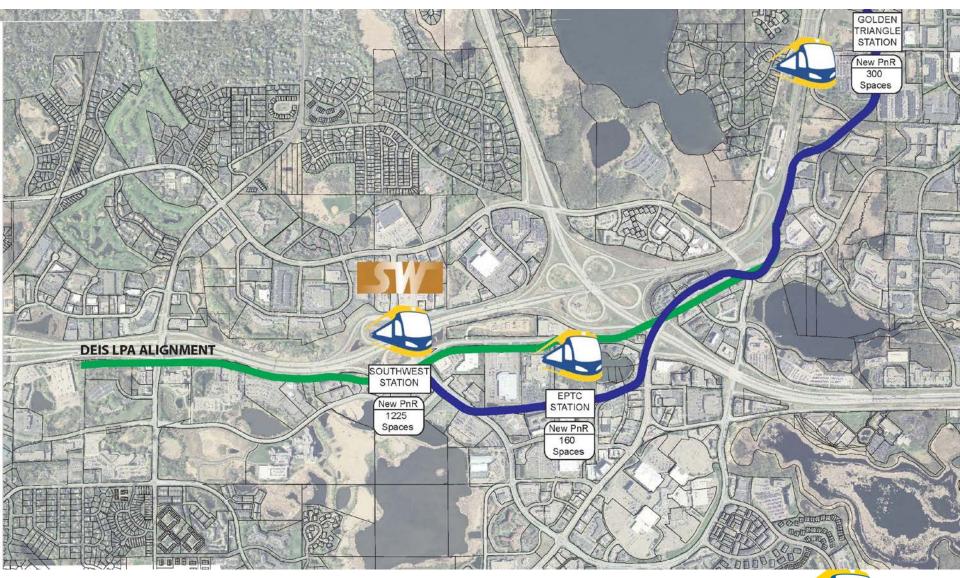
- At its September 4 meeting, the CMC voted to recommend to the Council
 - Eden Prairie Alignment: Comp Plan Alignment to Southwest Station
 - Removal of the Deep Bore LRT Tunnel option from further consideration
- At its September 11 meeting, the CMC voted to recommend to the Council:
 - Hopkins Site 9A for the OMF location
- At its October 9 meeting, the CMC voted to recommend to the Council a project scope and budget



Technical Issue #1 Eden Prairie Alignment



TI #1 Eden Prairie Alignment: Adjustment #5





TI #1: Eden Prairie Alignment

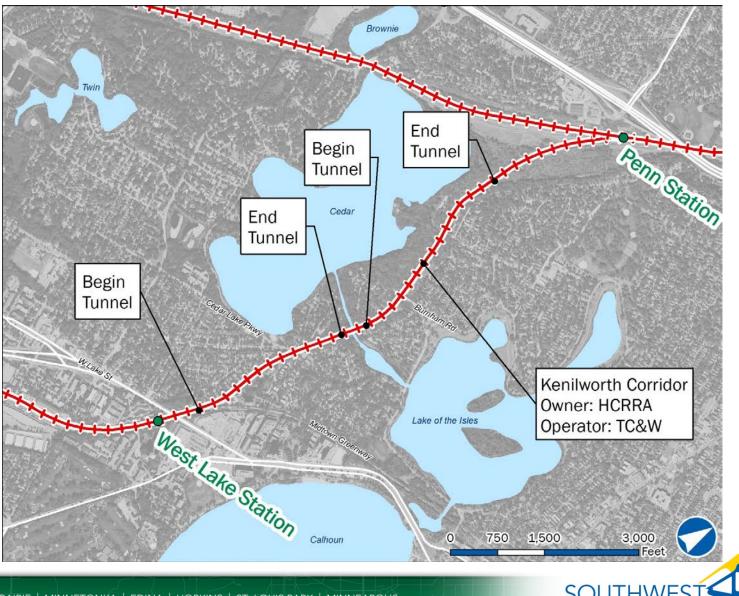
- Comp Plan alignment with a Town Center Station to Southwest Station
- Benefits:
 - Meets City's desire for a Town Center station location on the Comp Plan alignment
 - Serves Southwest Station
 - Provides multi-modal connection between express and local bus and light rail transit
 - Estimated \$75-\$80 M savings
 - Avoids potential wetland and floodplain impacts



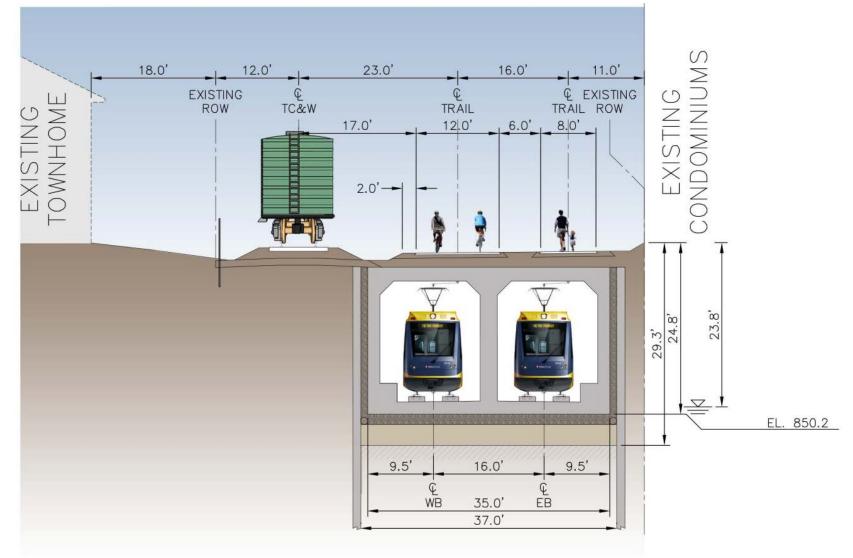
Technical Issue #21 Freight Rail



TI #21: Freight Rail: Shallow LRT Tunnel



Kenilworth Shallow LRT Tunnel





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Kenilworth Shallow LRT Tunnel: Gap Between South and North Tunnels – Existing Condition



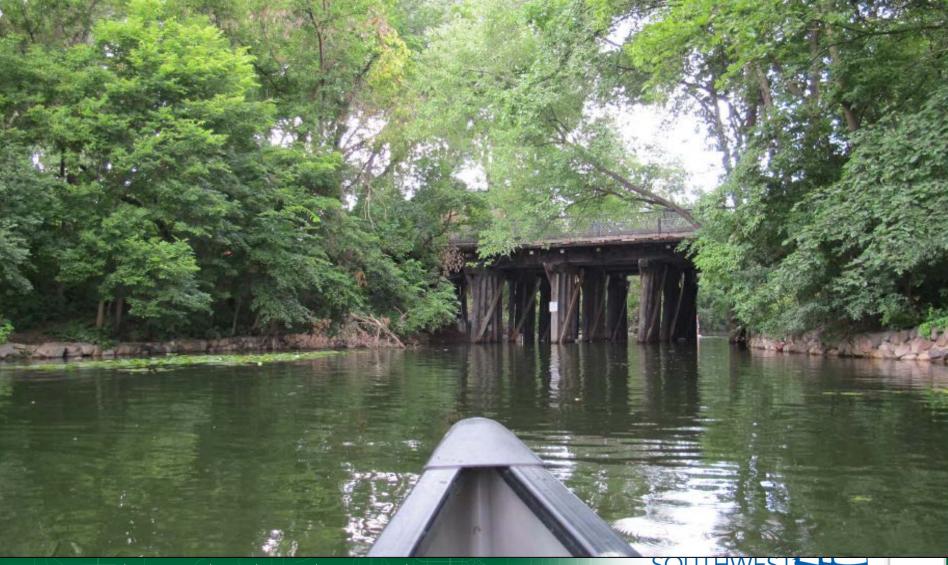
Kenilworth Shallow LRT Tunnel: Gap Between South and North Tunnels - Rendering

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Kenilworth Shallow LRT Tunnel: Gap Between South and North Tunnels – Existing Condition





Kenilworth Shallow LRT Tunnel: Gap Between South and North Tunnels - Rendering





Technical Issue #21: Shallow LRT Tunnel

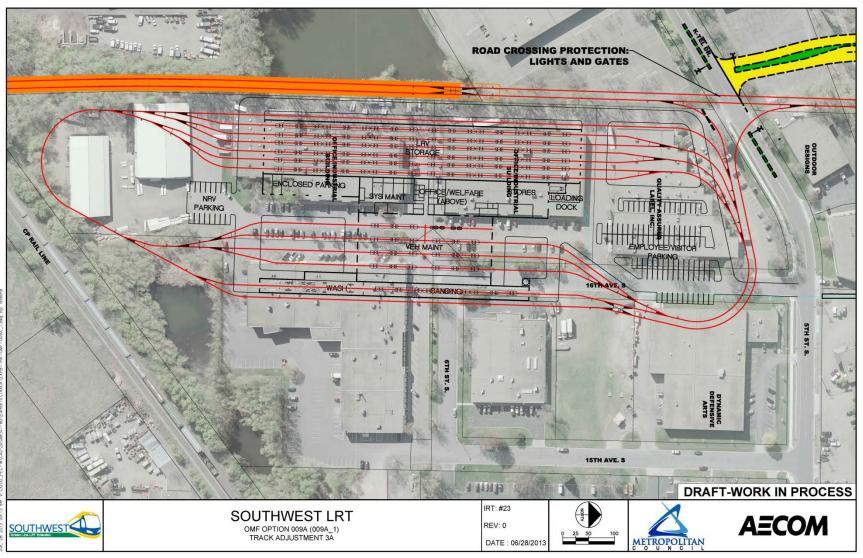
- No acquisition of homes and businesses
- Option most similar to existing condition
- 200+ LRT trips per day mostly below grade through Kenilworth Corridor
- Kenilworth Trail stays within corridor and preserved for the long-term
- Design protects water resources
- Estimated \$40 M less expensive than Brunswick Central freight rail relocation



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

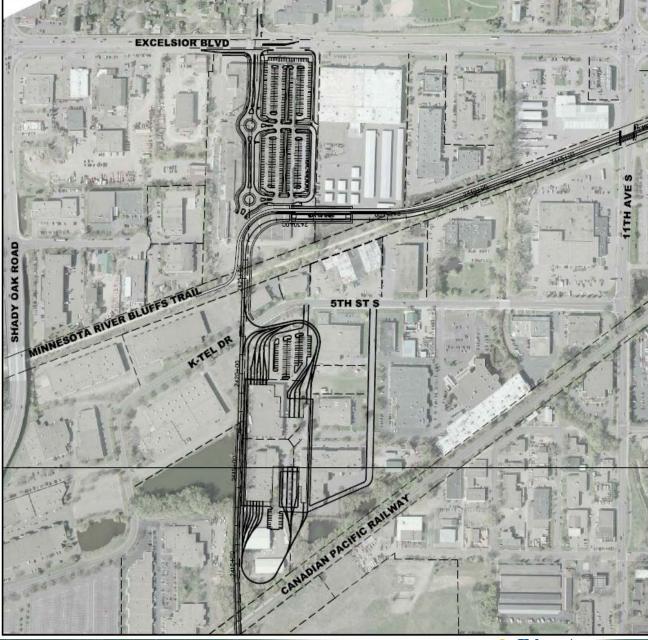


TI #23 OMF Site Location: Hopkins





TI #23 OMF Site Location: Hopkins





TI #23 OMF Site Location: Hopkins

- Zoned industrial
- Freight rail and proposed LRT alignment buffer south and west property borders
- 6 fewer train operators than other final candidate site
- Annual operating cost savings of \$500K compared to other final candidate site
- Redevelopment potential of remnant areas



Project Budget Recommendation



Project Budget Recommendation

SWLRT Base Project

\$1.390 B

\$1.553 B*

25

- Freight Rail
 - Common Elements \$.090 B
 - Kenilworth Shallow LRT Tunnel
 \$.160 B
- <u>Scope/Cost Reductions</u> (\$.087 B)
- SWLRT Adjusted Budget

*Includes 27% contingency allowance

Project Schedule



Southwest LRT Development Timeline

2013 Project Development

2014 Environmental Documentation Complete

2014-15 Engineering

2015 Full Funding Grant Agreement

2015–17 Heavy Construction

2018 Passenger Operations

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Municipal Consent Process

- Metropolitan Council submits municipal consent design plans to cities/county
- Metropolitan Council/Hennepin County Regional Railroad Authority hold joint public hearing 30 days following municipal consent design plan submittal on November 19, 5:30 p.m. at Hennepin County Government Center
- City/County open house/public hearing/approval of plans within 45 days of joint public hearing



Recommendation

- 1. Adopt Resolution to direct Southwest Project Office to proceed with Project Development;
- 2. Prepare and submit Municipal Consent Plans to Hennepin County and the five host cities of Eden Prairie, Hopkins, Minneapolis, Minnetonka and St. Louis Park; and
- 3. Hold a joint public hearing with Hennepin County Regional Railroad Authority on the plans on November 19, 2013.



More Information

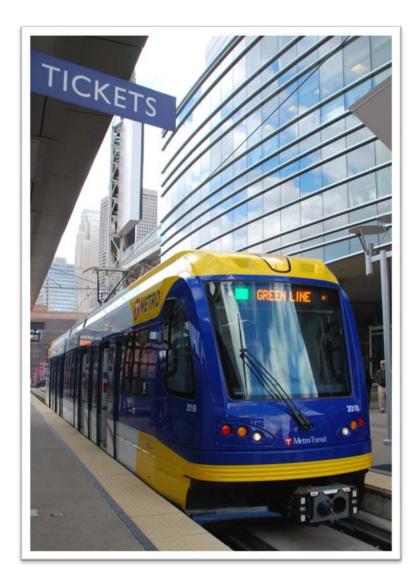
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www.twitter.com/southwestlrt





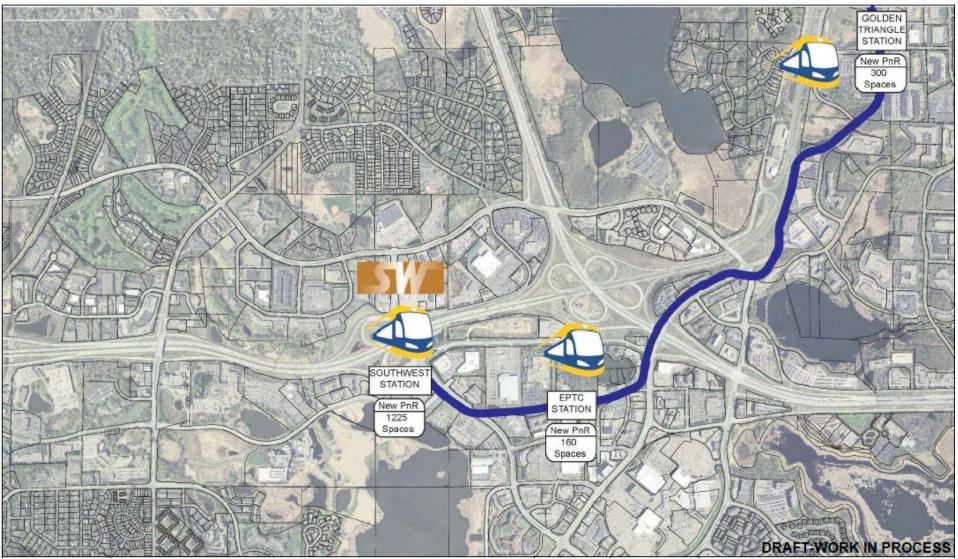


SWLRT Technical Packet

October 14, 2013

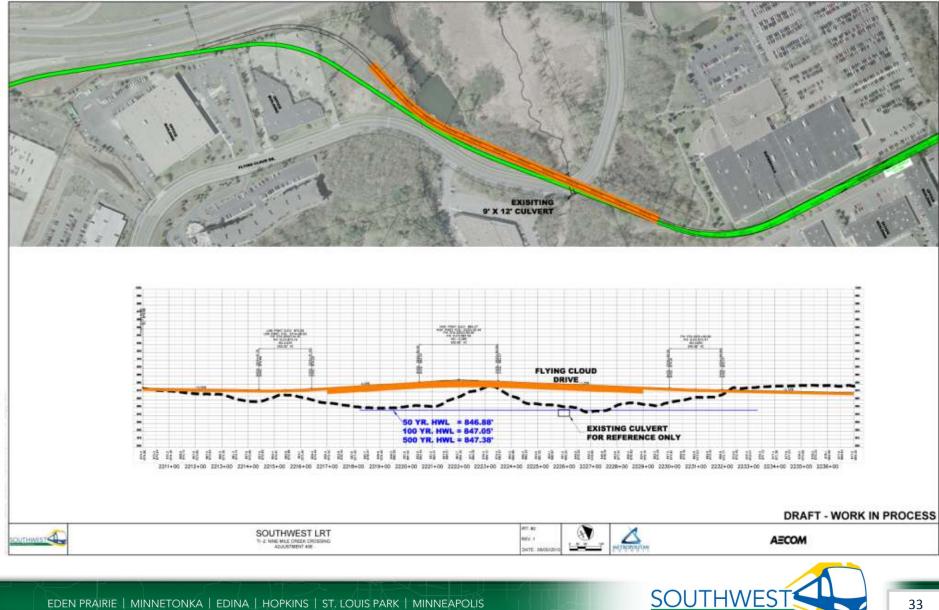


TI #1 Eden Prairie Alignment: Adjustment #5

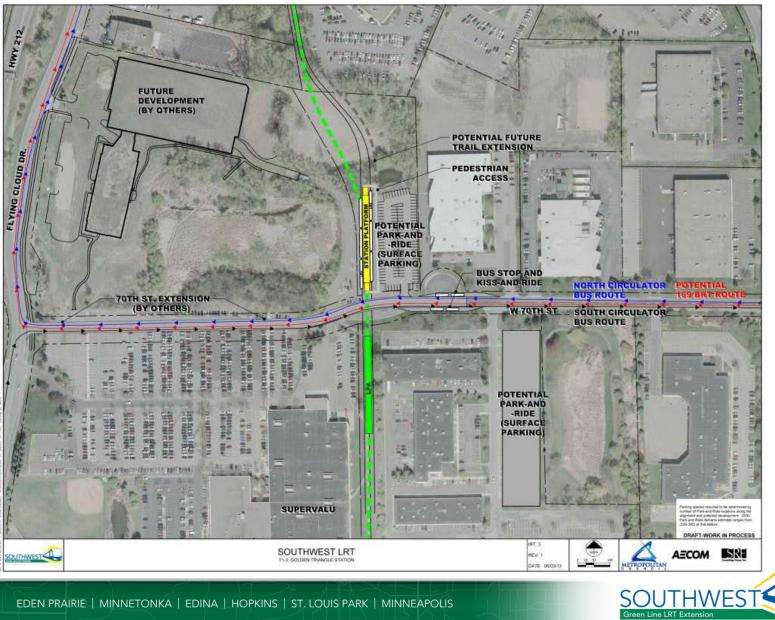




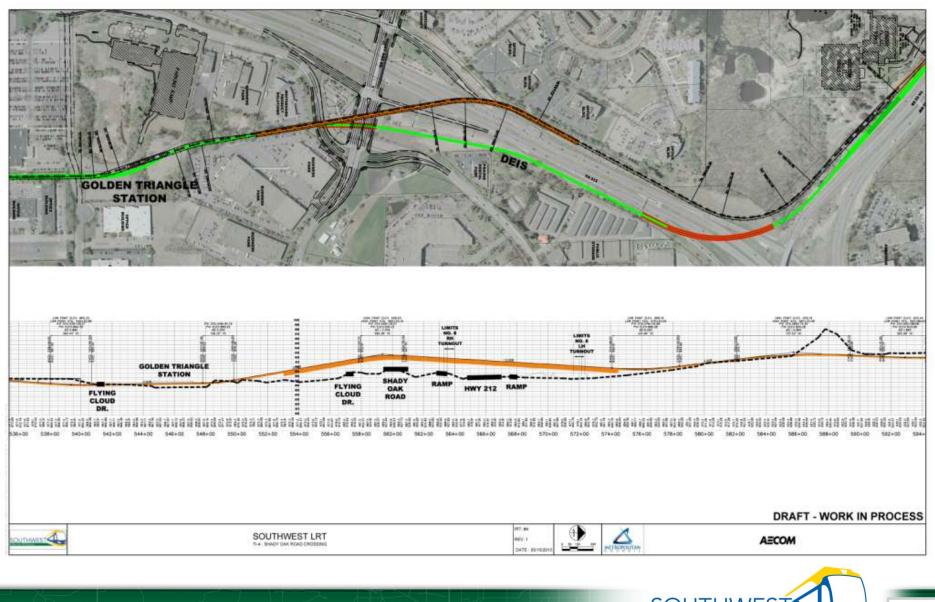
TI #2: 9-Mile Creek Crossing



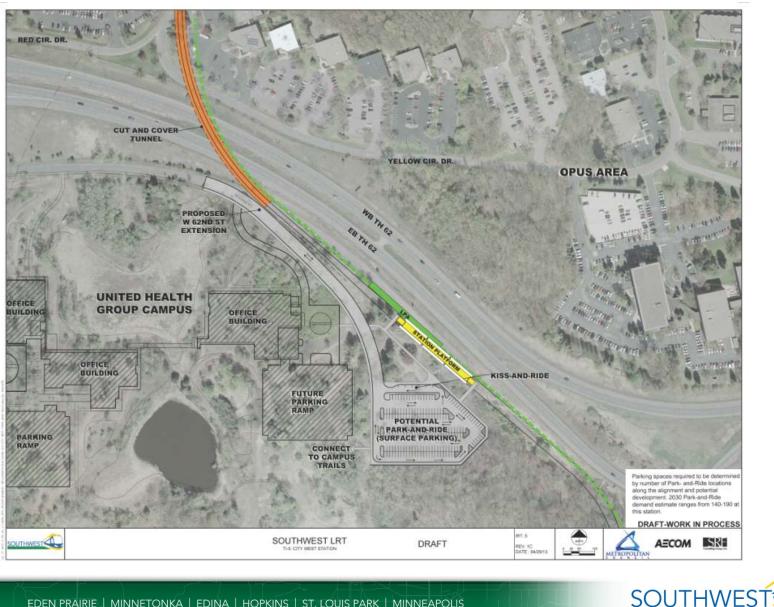
TI #3: Golden Triangle Station



TI #4: Shady Oak Road & TH 212 Crossings



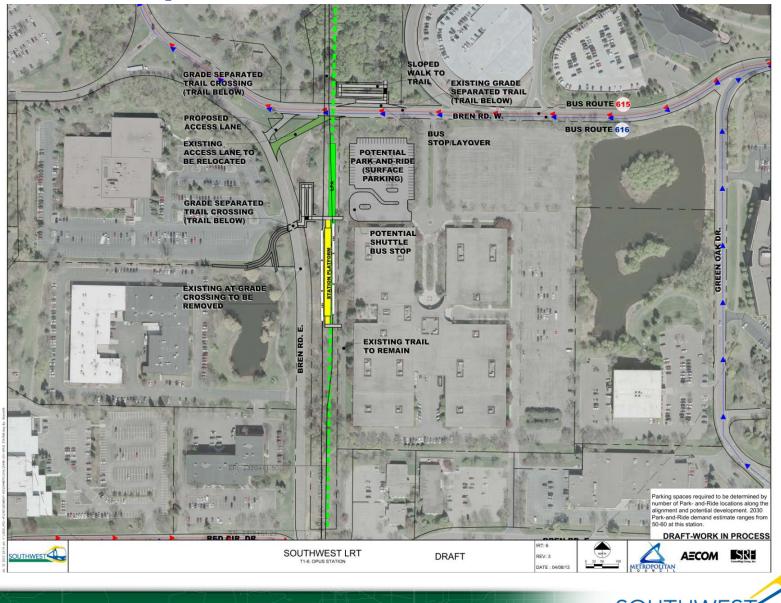
TI #5: City West Station & TH 62 Crossing



reen Line LRT Extension

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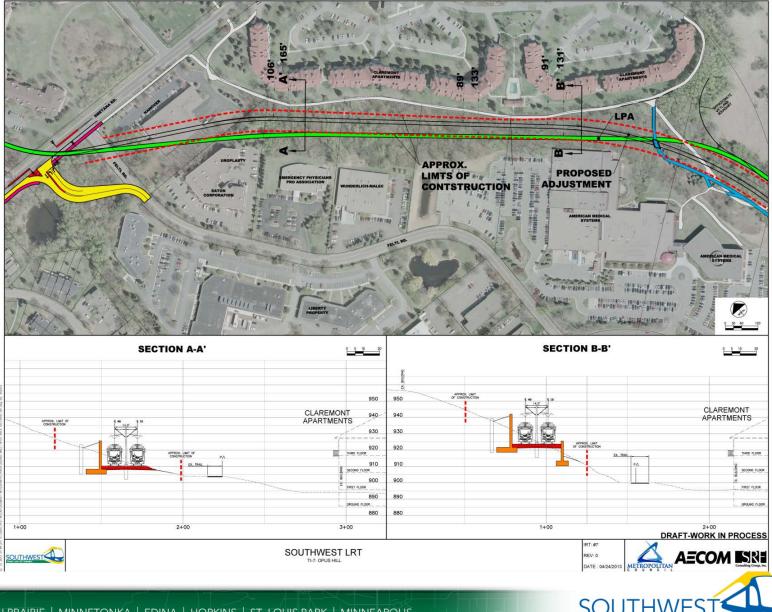
TI #6: Opus Station



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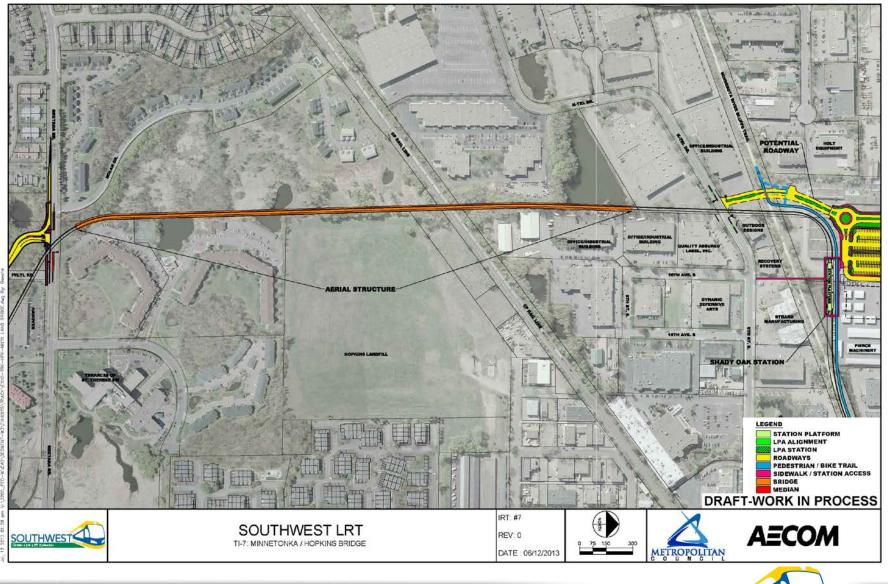
Green Line LRT Extensior

TI #7: Opus Hill



Green Line LRT Extensior

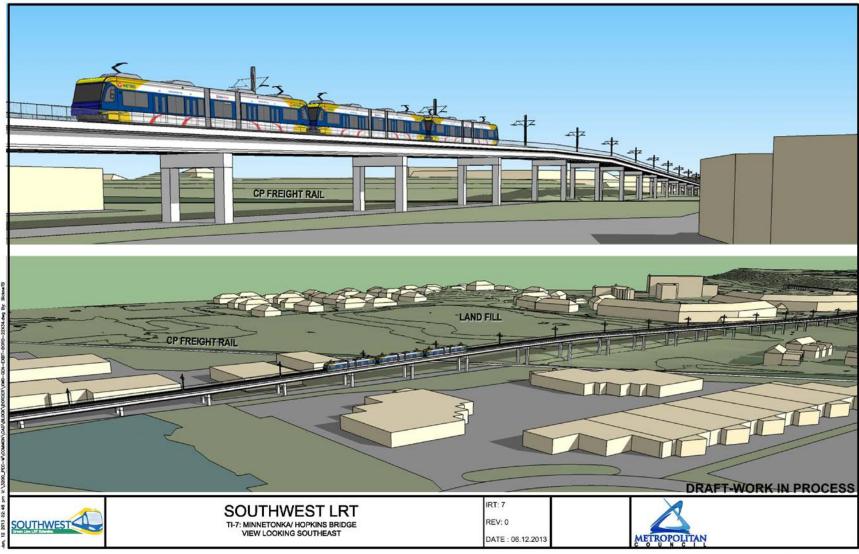
TI #7: Minnetonka/Hopkins Bridge



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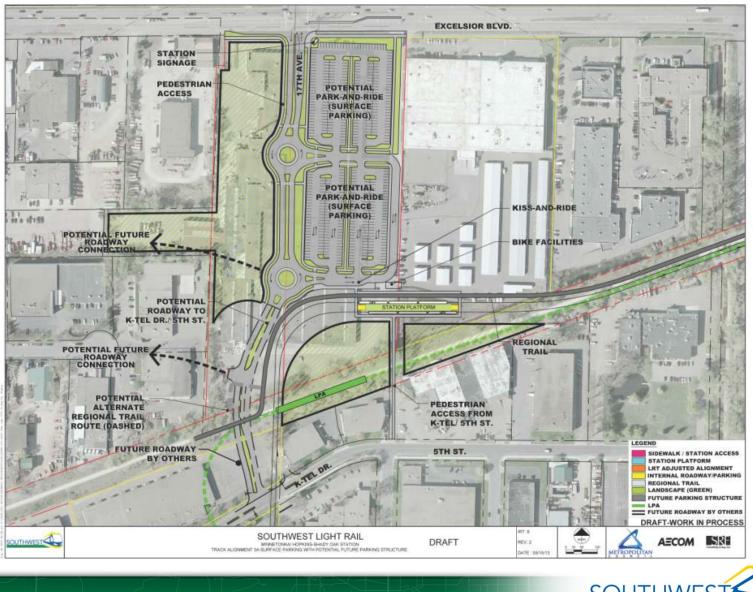
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TI #7: Minnetonka/Hopkins Bridge





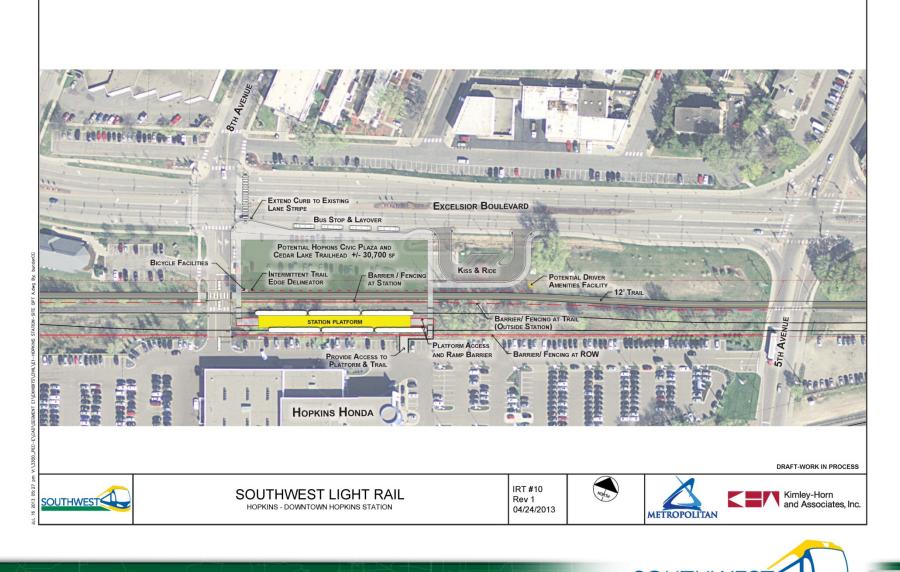
TI #8: Shady Oak Station



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Green Line LRT Extension

TI #10: Downtown Hopkins Station





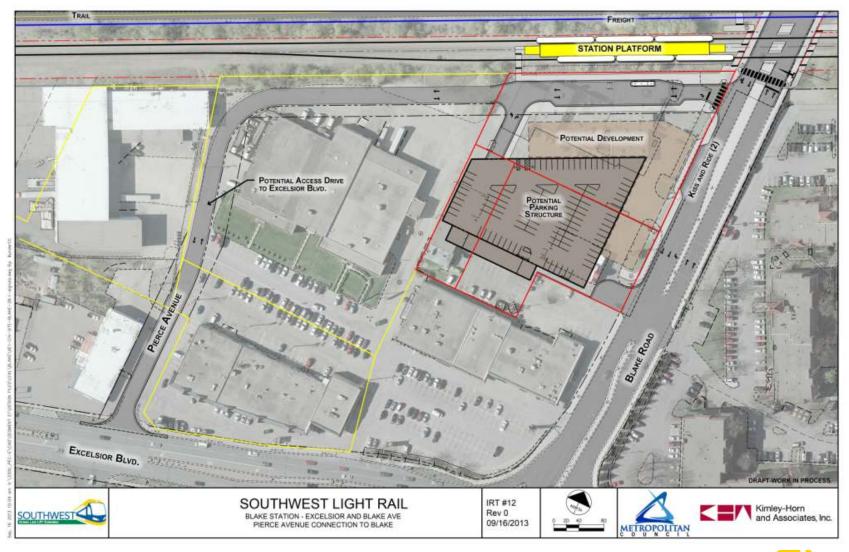
reen Line LRT Extension

TI #11: Excelsior Boulevard Crossing





TI #12: Blake Station

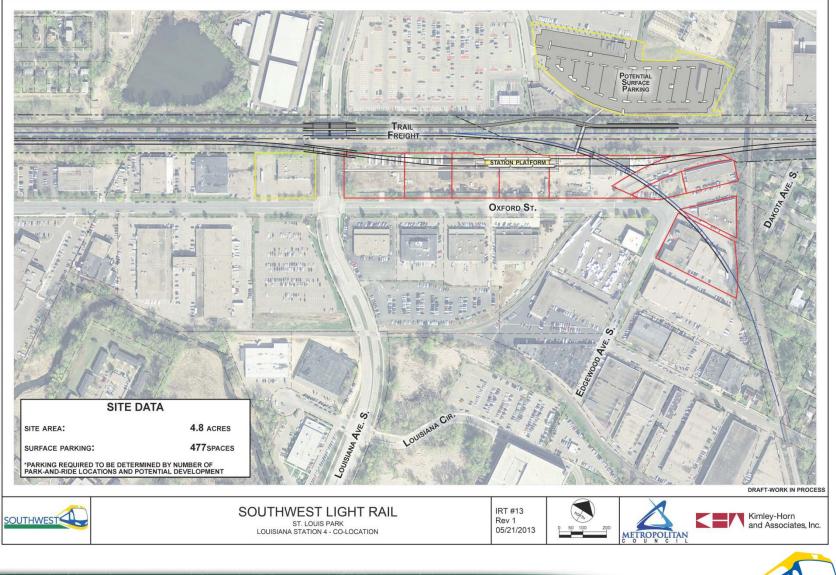






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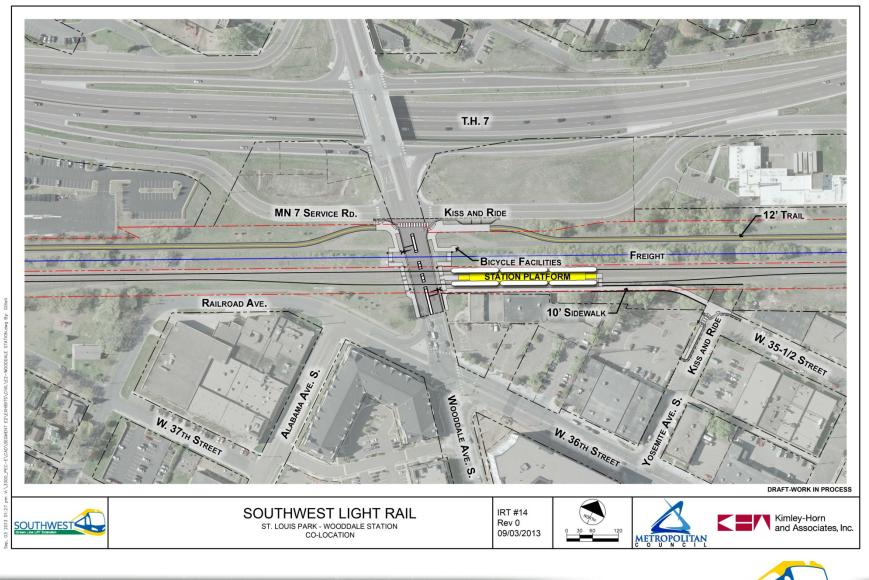
TI #13: Louisiana Station



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Green Line LRT Extensior

TI #14: Wooddale Station

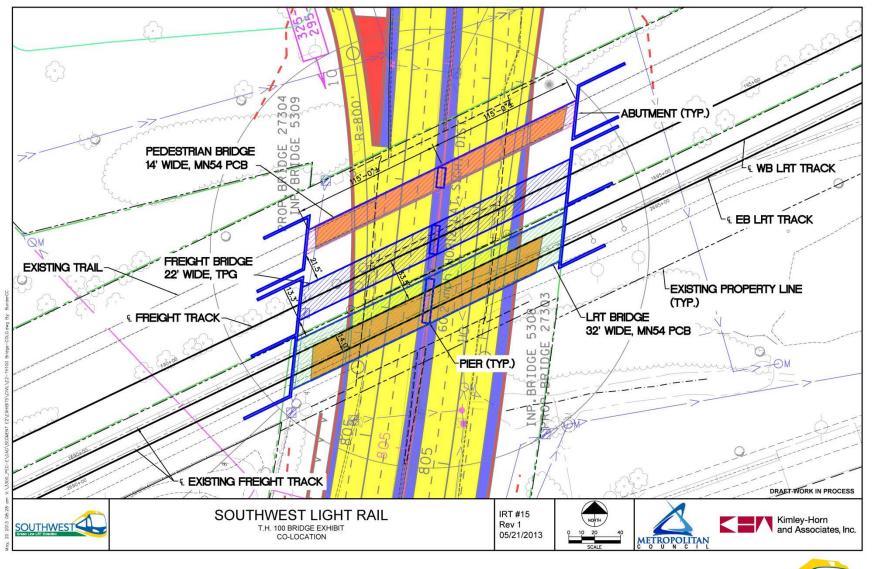




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reen Line LRT Extension

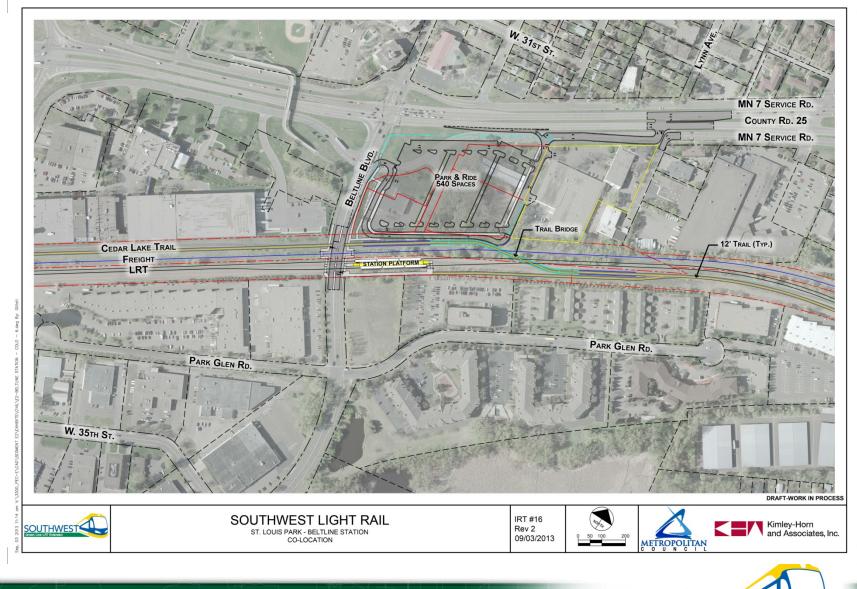
TI #15: TH 100 Crossing



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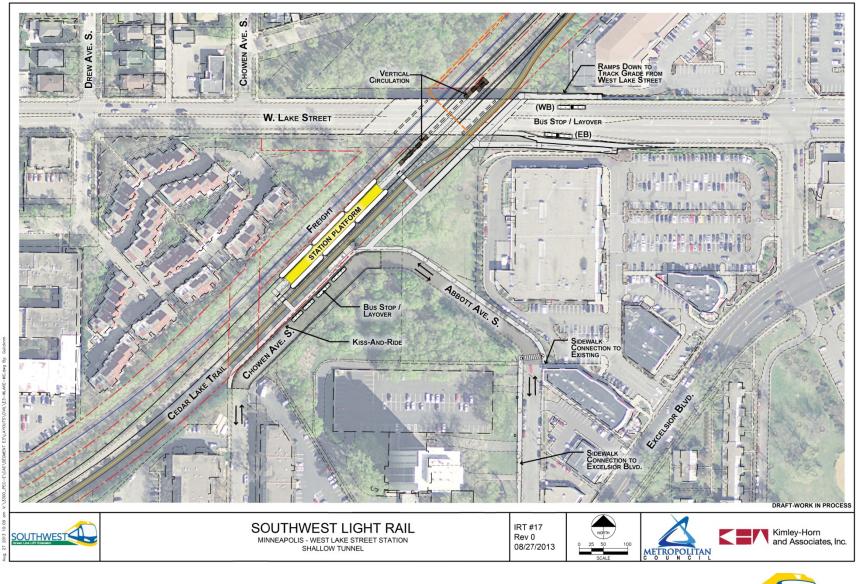
TI #16: Beltline Station



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Green Line LRT Extension

TI #17: West Lake Station





Green Line LRT Extensior

TI #18: Kenilworth Corridor

See TI #21 Freight Rail



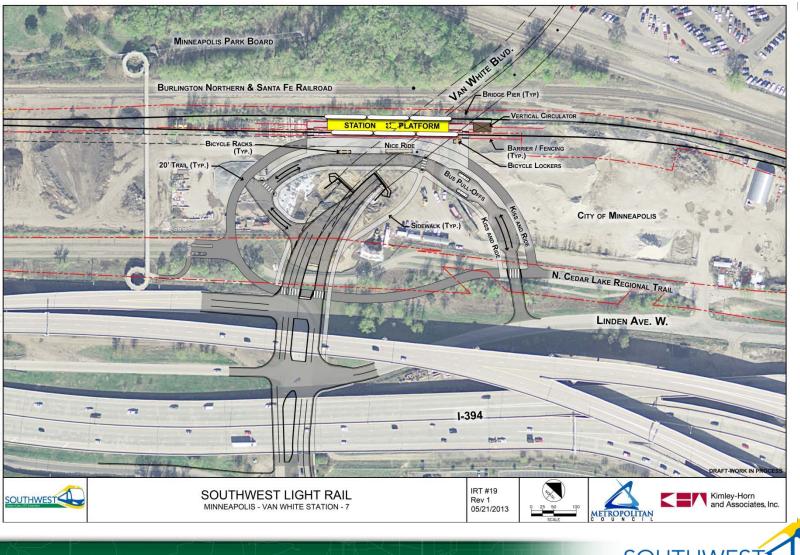
TI #19: Bassett Creek Valley Corridor – Penn Station



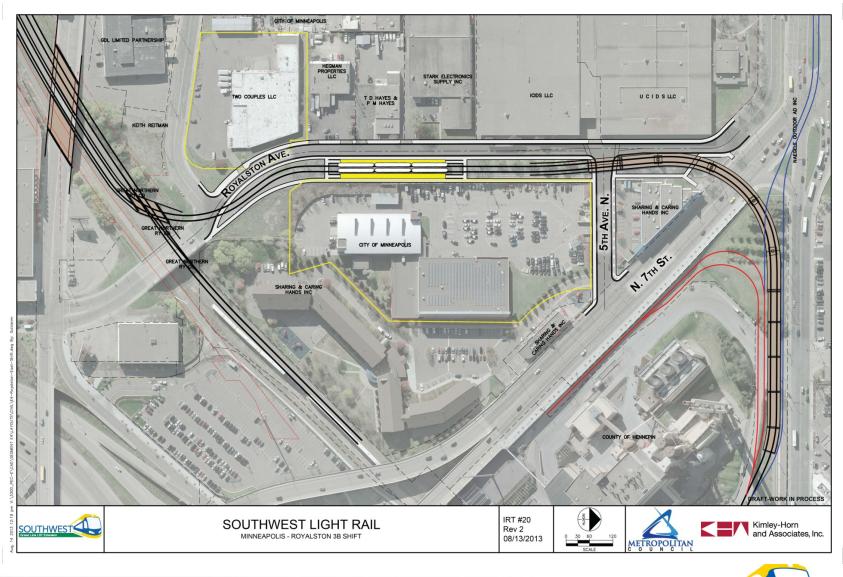
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TI #19: Bassett Creek Valley Corridor – Van White Station

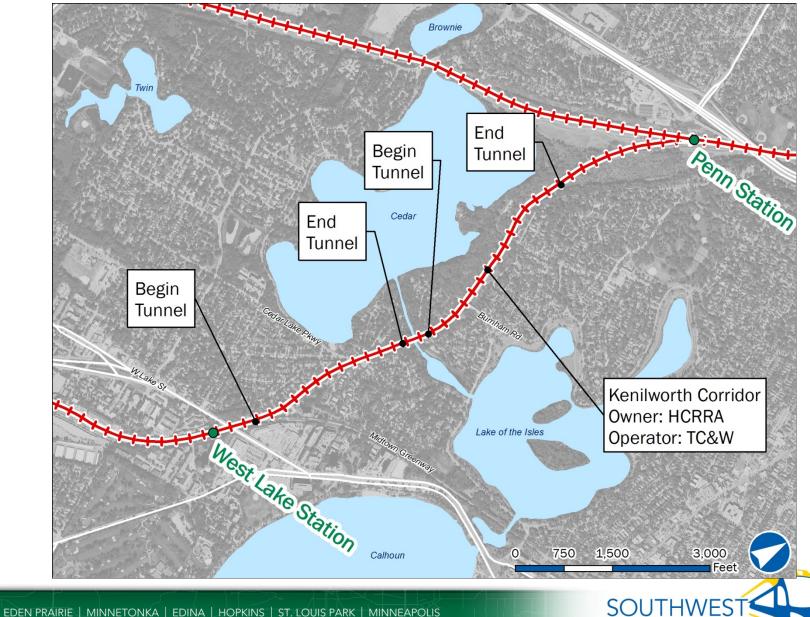


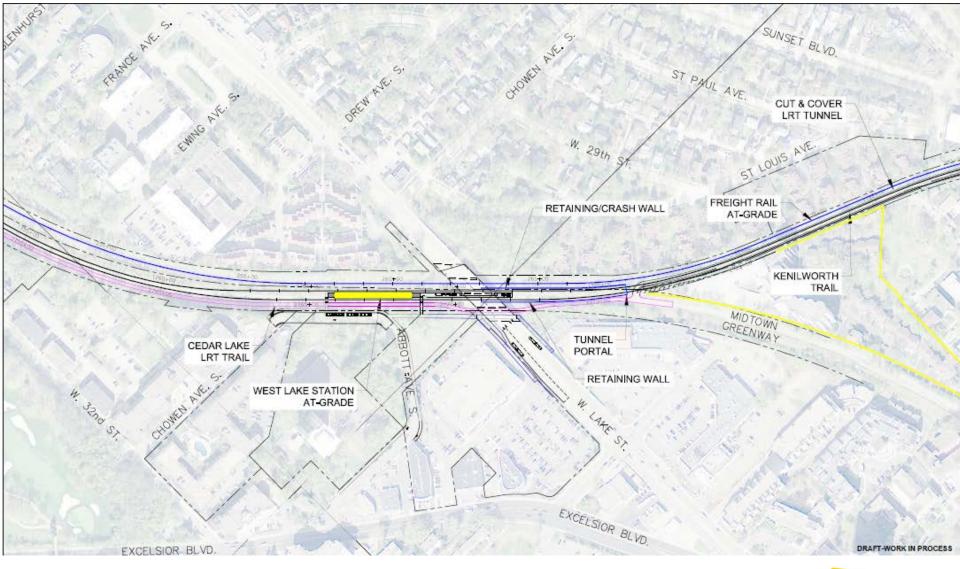
TI #20: Royalston Station



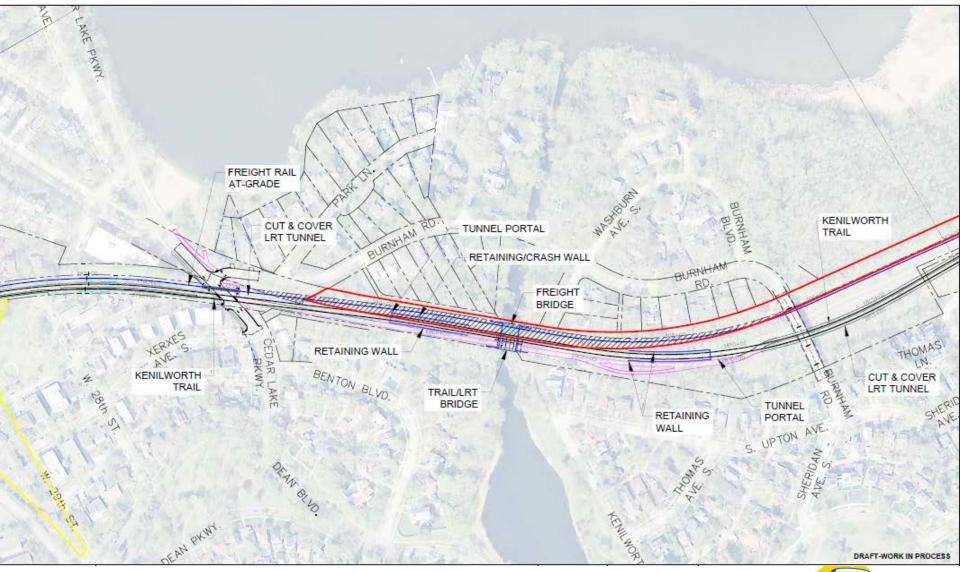


Green Line LRT Extension

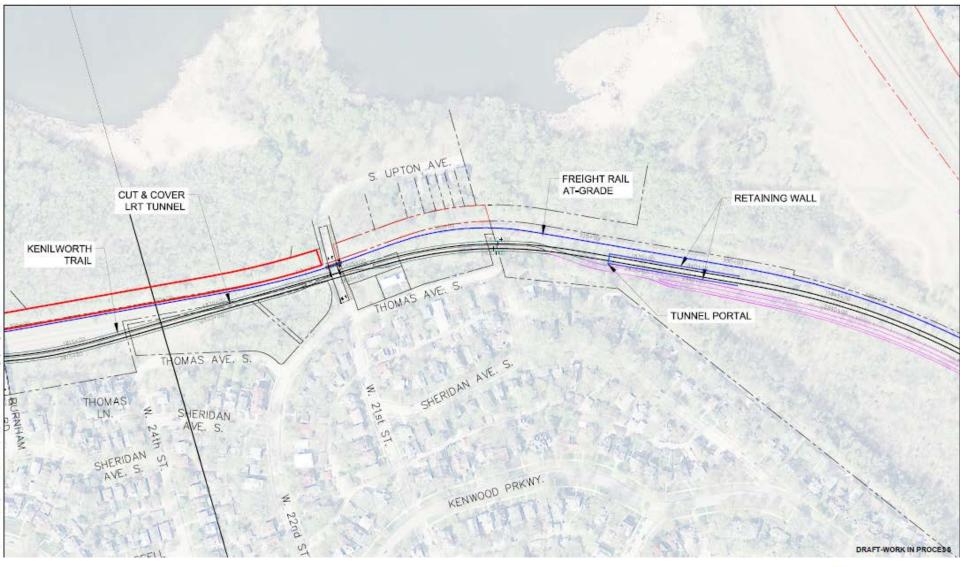




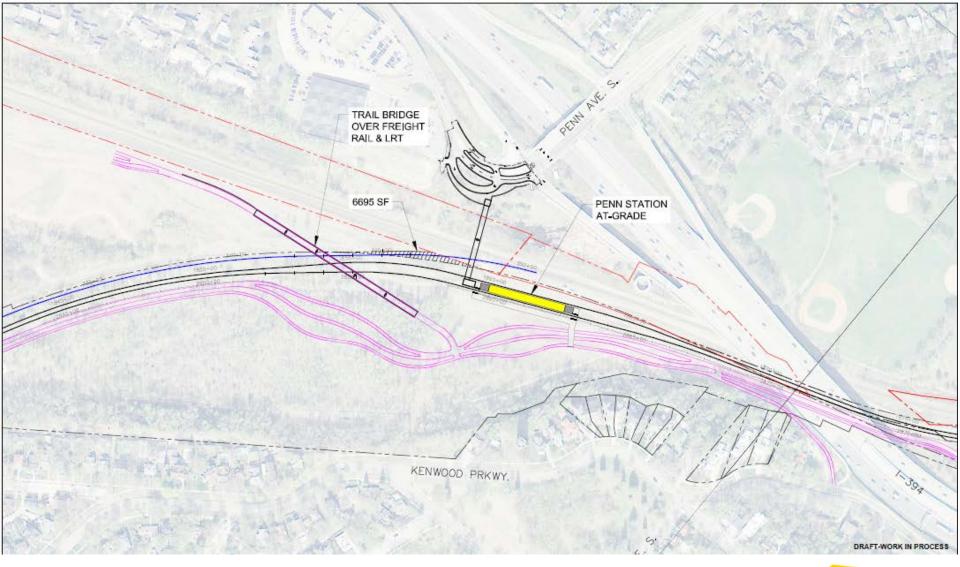






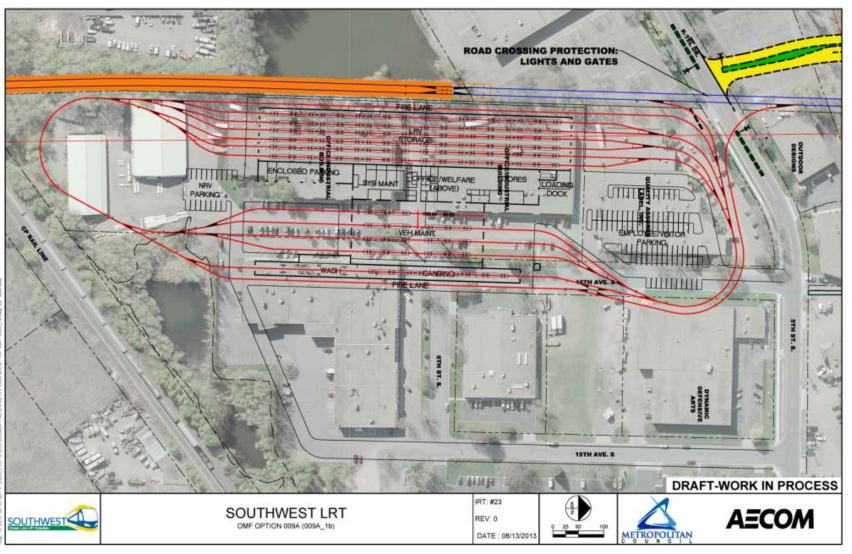








TI #23 OMF Site Location: Hopkins Site 9A





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