



**SOUTHWEST**  
transitway

green means go.

## Evaluation Results

Policy Advisory Committee (PAC)  
August 10, 2009

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**LPA Evaluation Measures** *Consistent with Federal Transit Administration's (FTA) New Starts Evaluation and the National Environmental Policy Act (NEPA) Guidance.*

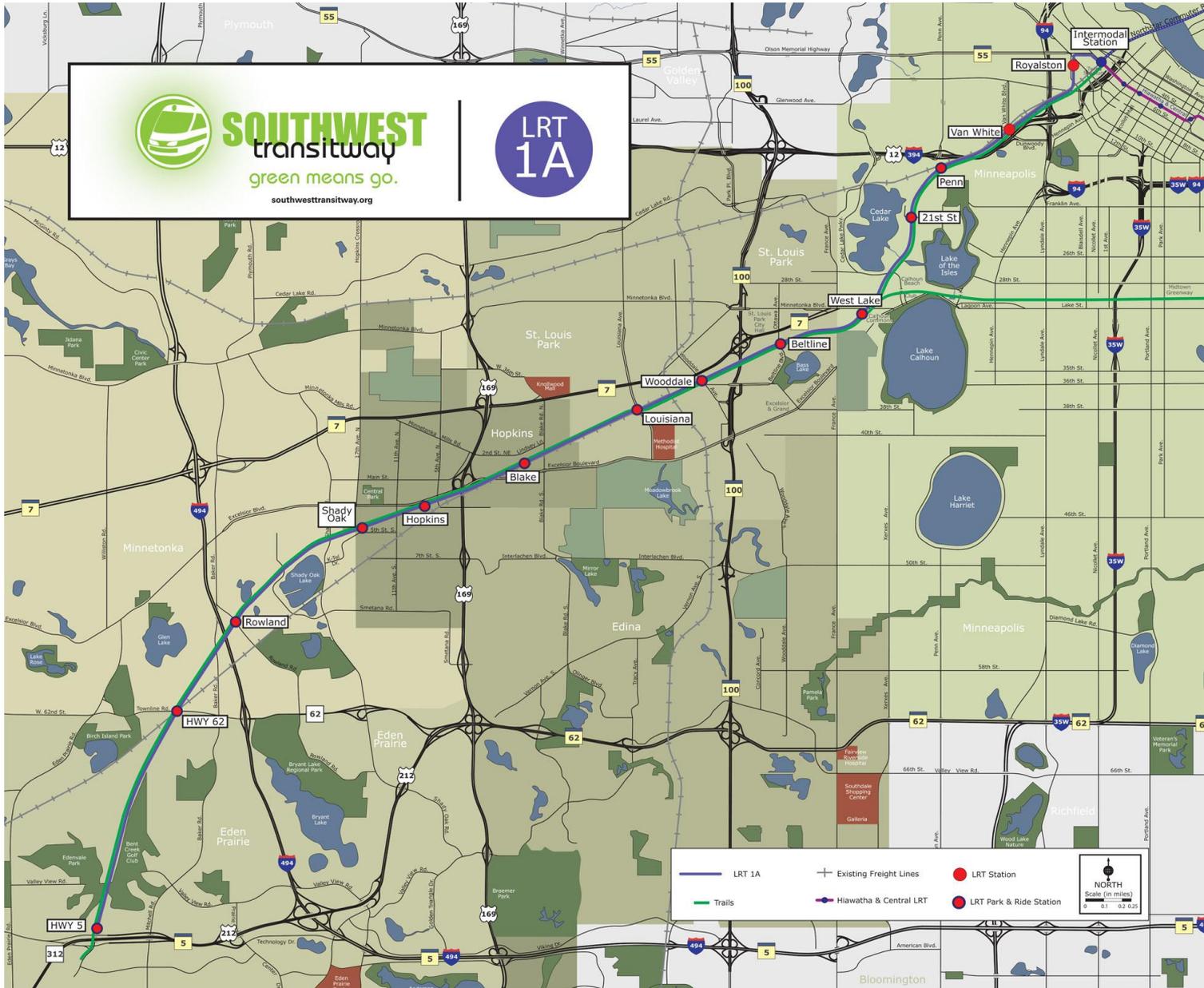
- ❖ Planning Compatibility
- ❖ Performance
- ❖ Other Factors
- ❖ Critical Environmental Resources

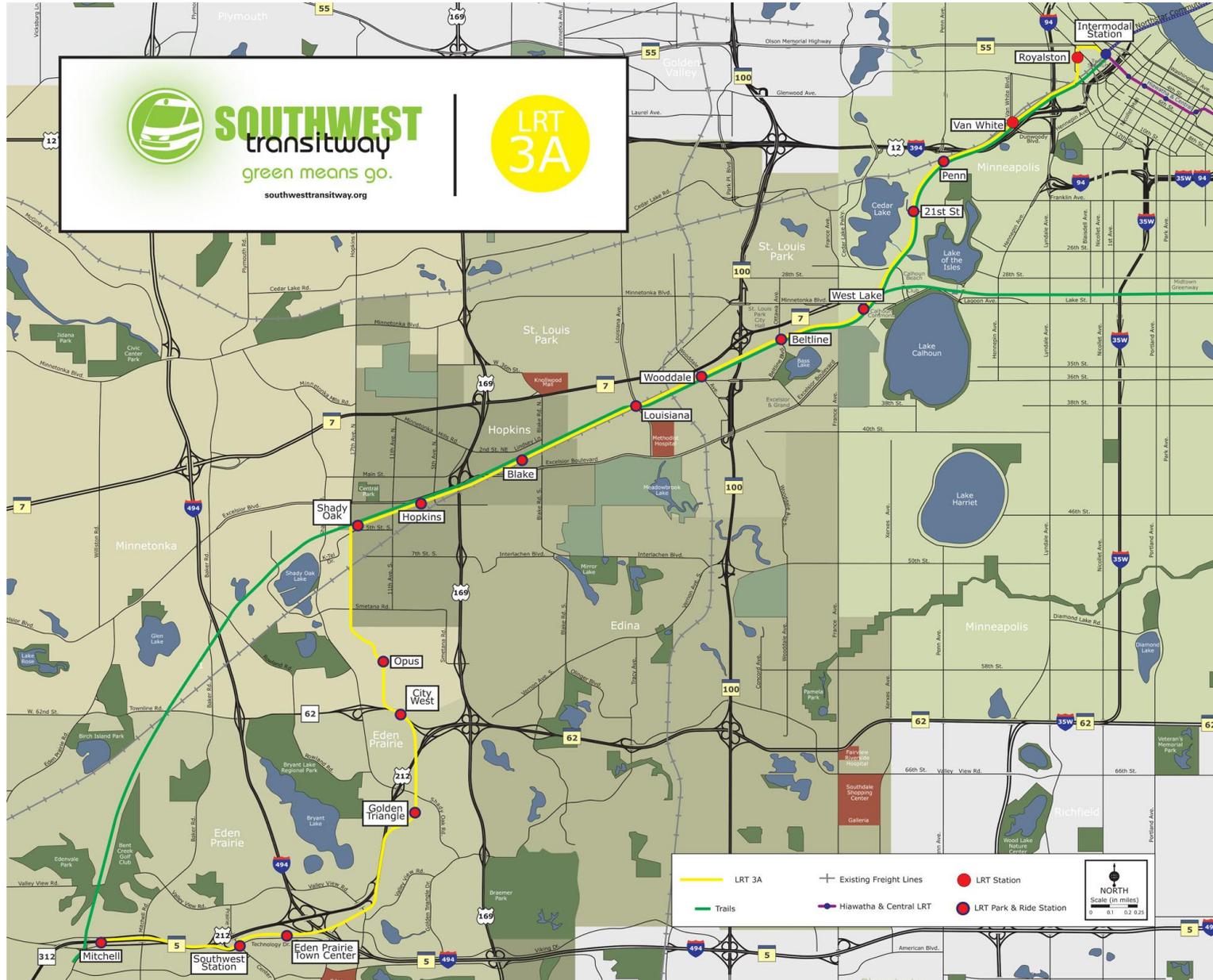
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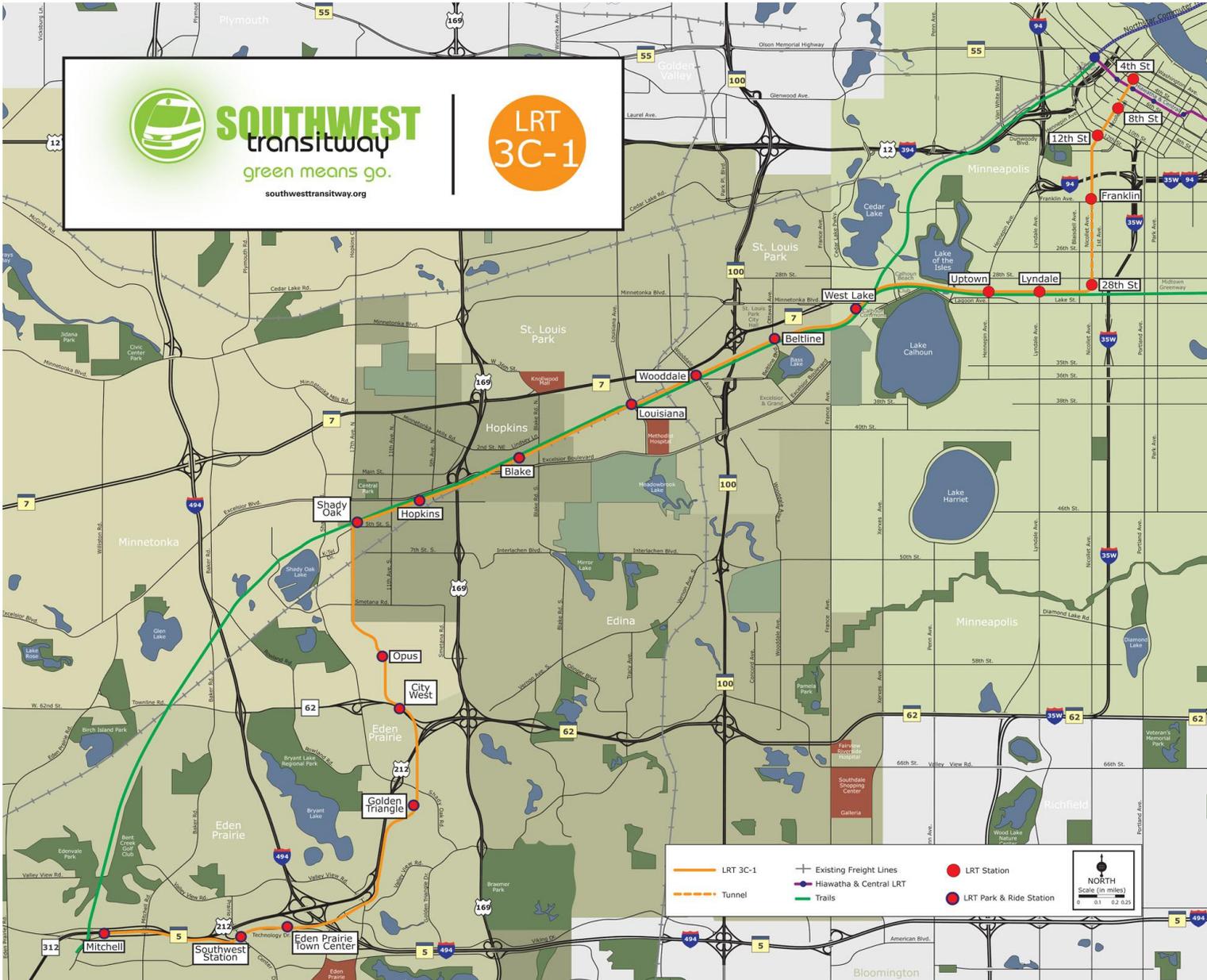


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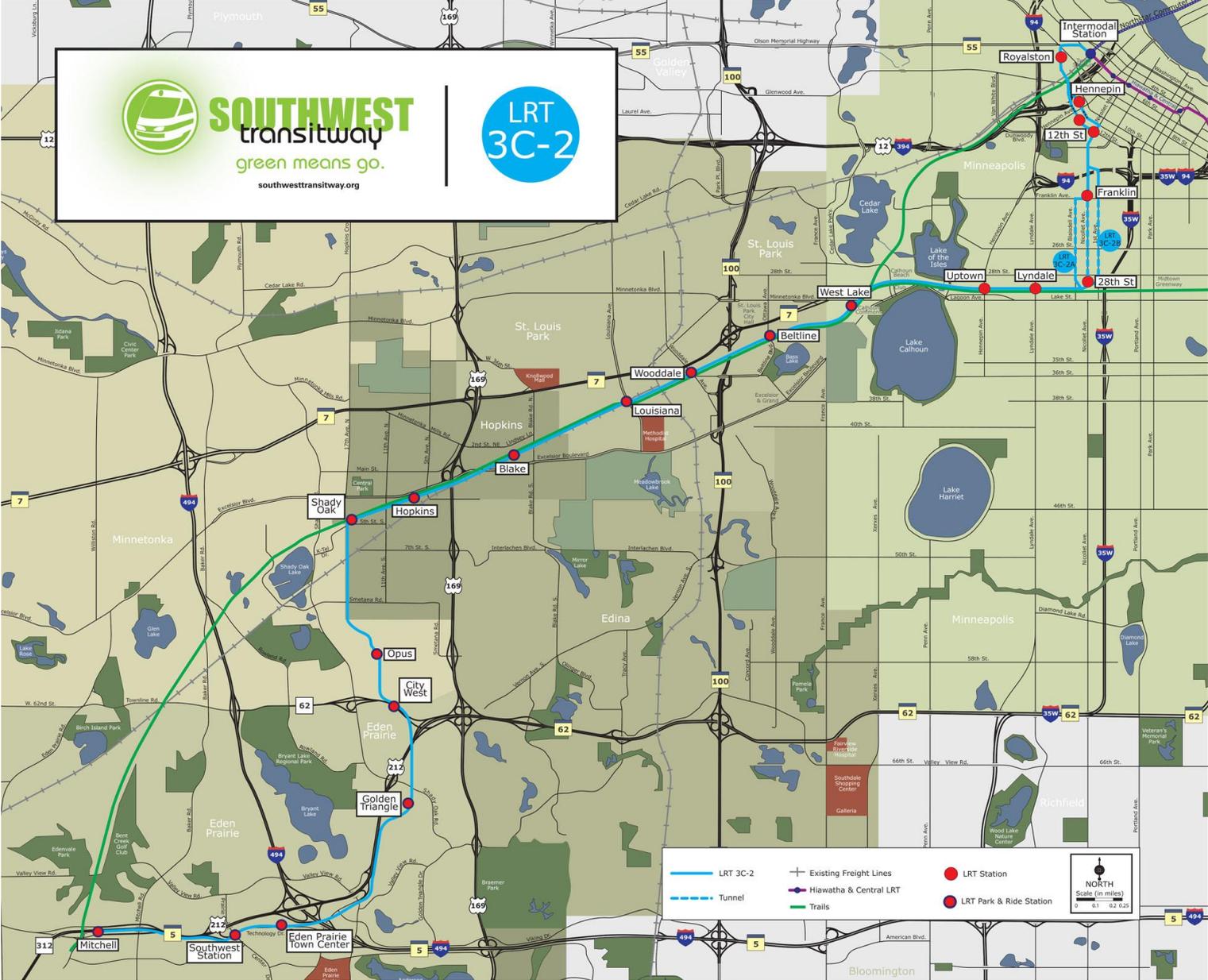
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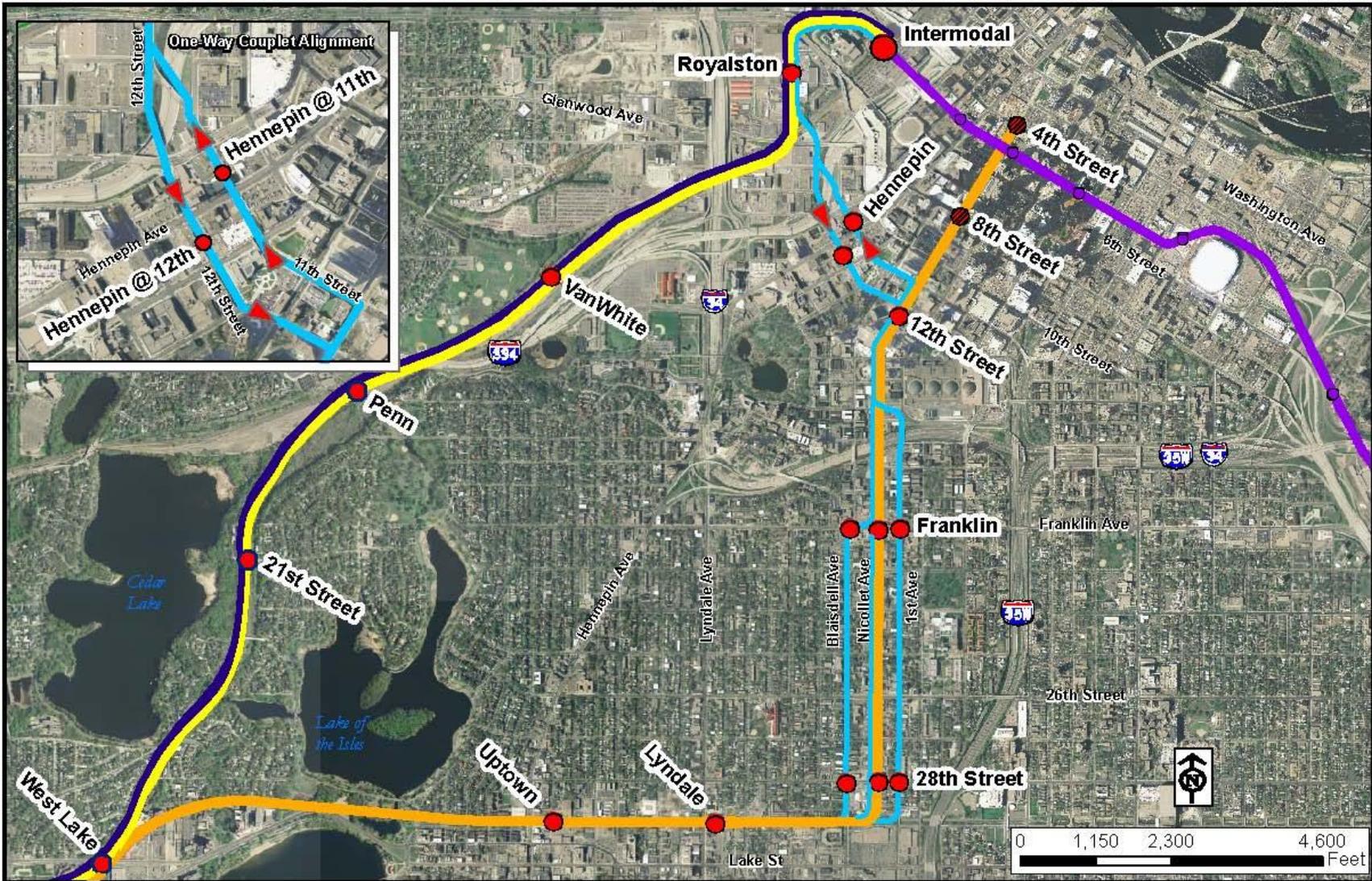
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# LRT 1A, LRT 3A and LRT 3C (Nicollet Mall and 11th/12th Sub-Alternative)




**Southwest Transitway**  
 Draft Environmental Impact Statement

**Legend**

- Proposed Park and Ride Station
- Proposed Station Locations
- Possible Pairing LRT Stations
- Hiawatha LRT Stations
- LRT 1A
- LRT 3A
- LRT 3C
- LRT 3C (11th/12th Street Sub-Alternative)
- Hiawatha Light Rail



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## PERFORMANCE – Capital and Operating/Maintenance Costs

- ❖ **Capital costs** are defined as the one-time costs to construct the transitway, including the guideway (ballast, track and catenary system), stations, structures, right-of-way, engineering/design, administrative costs and contingencies.
- ❖ **Operating costs** are the costs required to operate and maintain the system.

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# Capital and O/M Costs (2015)\*

Alternative	Capital Cost		Operating (Annual) Cost
	2015	Cost/mile	2015
LRT 1A	\$850M to \$950M	\$61M to \$68M	\$19M to \$21M
LRT 3A	\$1.1B to \$1.25B	\$69M to \$78M	\$23M to \$25M
LRT 3C-1 (Nicollet Mall)	\$1.5B to \$1.7B	\$91M to \$103M	\$27M to \$29M
LRT 3C-2 (11 <sup>th</sup> /12 <sup>th</sup> Street)	\$1.6B to \$1.8B	\$94M to \$106M	\$27M to \$29M

\* Costs are preliminary and subject to change

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# Ridership Forecast (2030)\*

	LRT Daily Ridership	Reverse Commute Ridership	New Transit Trips	Travel Time Savings (user benefit hours)
<b><u>LRT 1A</u></b>	24,000 to 26,000	5,500 to 6,500	6,500 to 7,500	6,500 to 7,500
<b><u>LRT 3A</u></b>	28,000 to 30,000	7,500 to 8,500	7,500 to 8,500	8,500 to 9,000
<b><u>LRT 3C-1 (Nicollet Mall)</u></b>	24,000 to 26,000	7,500 to 8,500	7,500 to 8,500	8,000 to 9,000
<b><u>LRT 3C-2 (11<sup>th</sup>/12<sup>th</sup> Streets)</u></b>	28,000 to 30,000	7,500 to 8,500	7,500 to 8,500	7,500 to 8,500

\* Ridership numbers are preliminary and subject to change

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# Cost-Effectiveness Index (CEI)\*

Alternative	CEI
LRT 1A	\$24 to \$26
LRT 3A	\$28 to \$31
LRT 3C-1 (Nicollet Mall)	\$39 to \$44
LRT 3C-2 (11 <sup>th</sup> /12 <sup>th</sup> Street)	\$44 to \$48

$$\text{CEI} = \frac{\text{Incremental Annualized Capital Cost} + \text{Incremental Operating/Maintenance Cost}}{\text{User Benefits}}$$

\* CEI values are preliminary and subject to change