

SOUTHWEST

Green Line LRT Extension



Community Advisory Committee

May 10, 2012



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

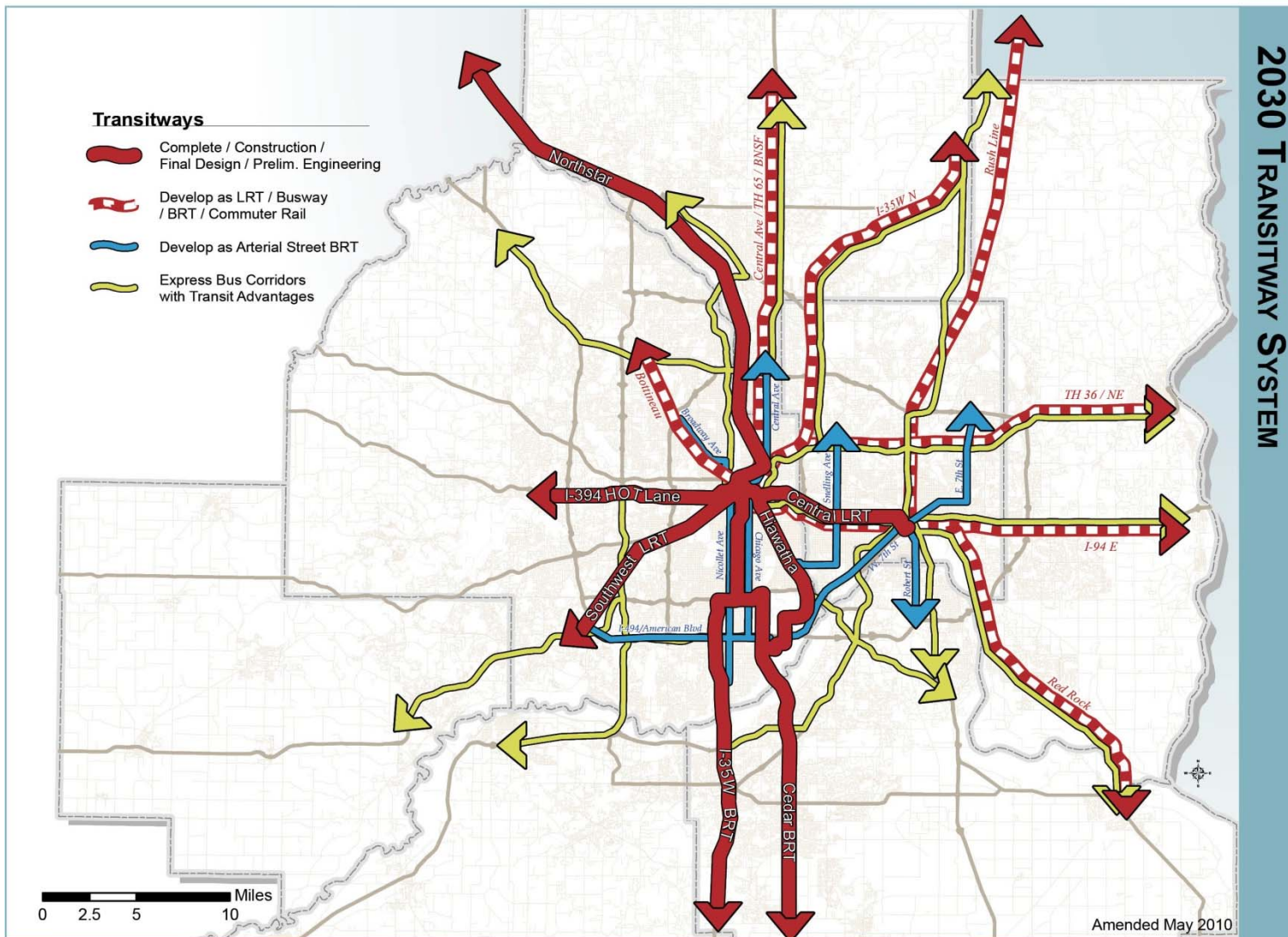


Today's Agenda

- Overview of the Southwest LRT project
 - What is LRT?
 - What is the federal New Starts process?
 - What is NEPA?
- Overview of Community Works



Regional Transit System



Important link in the regional transit network



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Federal Funding Participation



Hiawatha: \$413 million
Northstar: \$162 million
Central: \$478 million
Total: \$1.053 billion





What is LRT?

- LRT = Light Rail Transit
- High capacity
- Quick acceleration & braking
- Powered by electricity
- Quiet operation
- Frequent service 21 hours/day
- Stops every ½ - 1 mile

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What is LRT? Station Platform



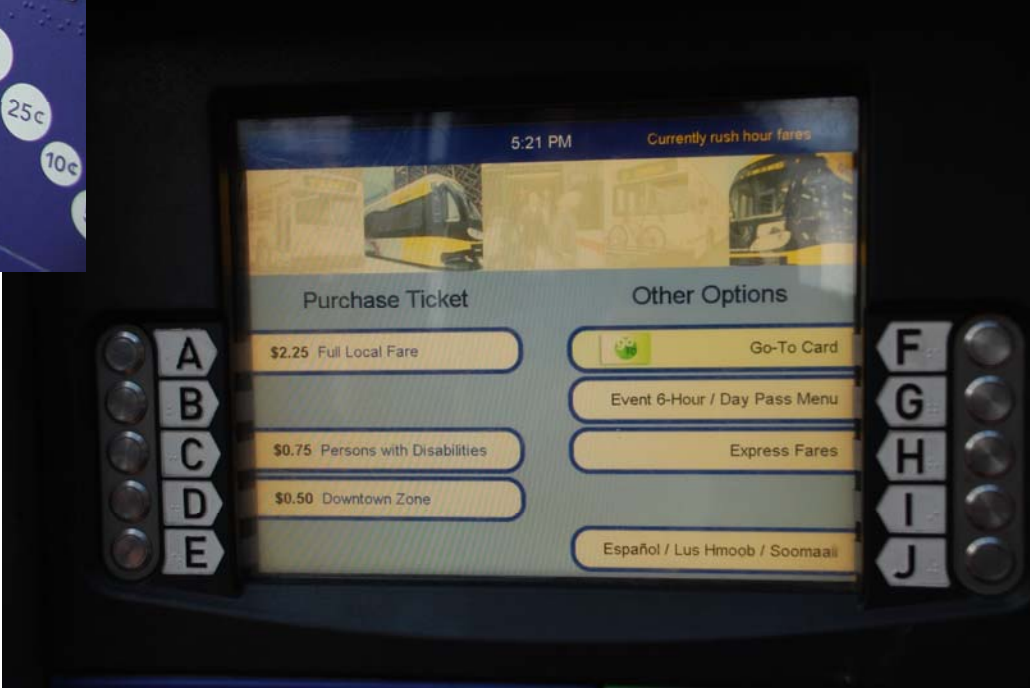


What is LRT? Station Amenities





What is LRT? Ticket Vending Machine



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What is LRT? Seating for 66 Passengers



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What is LRT? Standing Room for 60 More



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What is LRT? Catenary System



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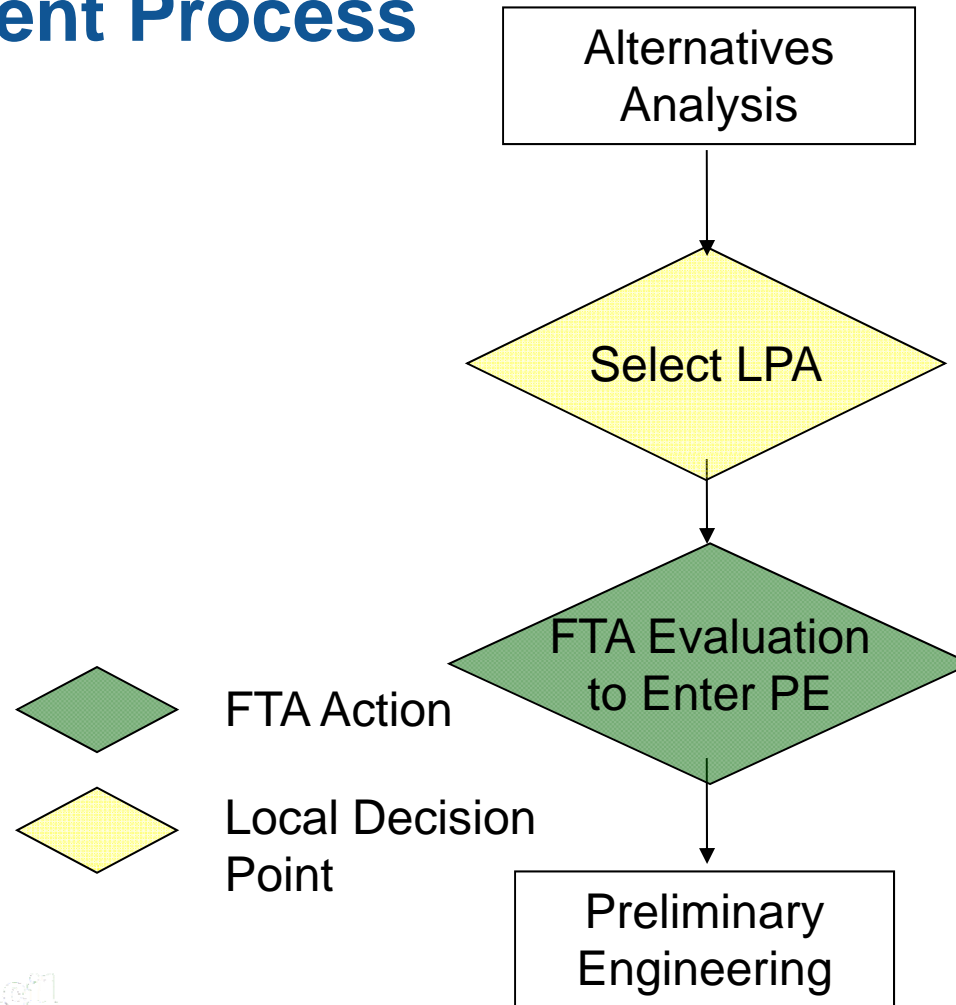


FTA “New Starts” Program



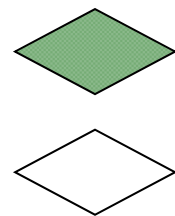


FTA New Starts Project Development Process



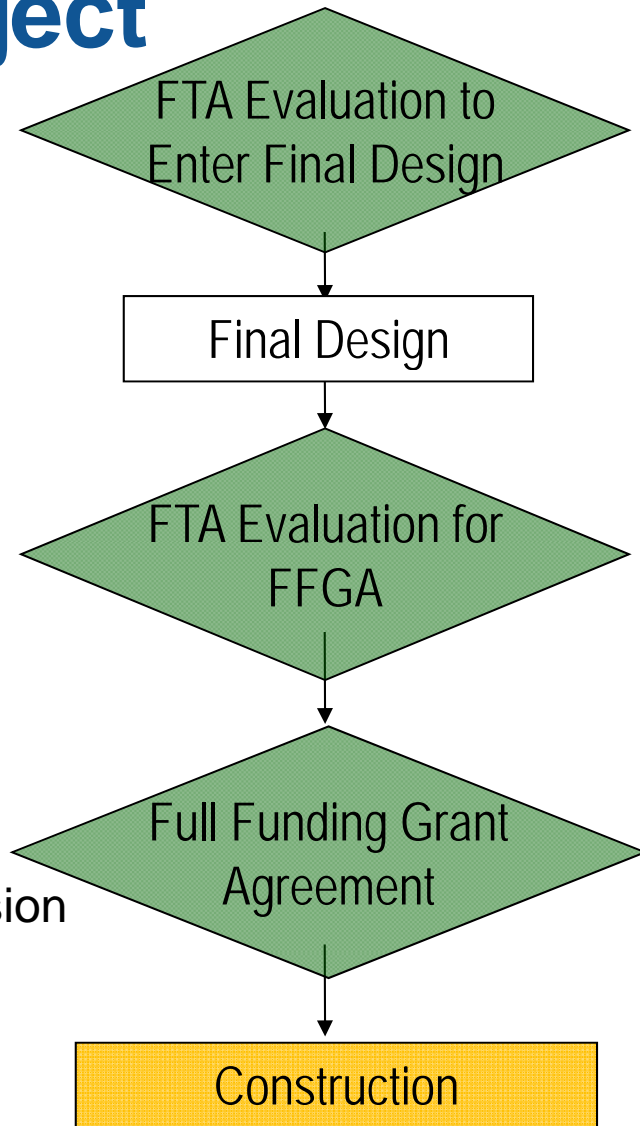


FTA New Starts Project Development Process



FTA Action

Local Decision Point





What is Preliminary Engineering?

- Develop design and engineering to 30% level
- Make decisions about the scope of the project
- Refine sources and uses of funds
- Meet federal rating guidelines
 - Project justification rating
 - Financial rating



What is Municipal Consent?

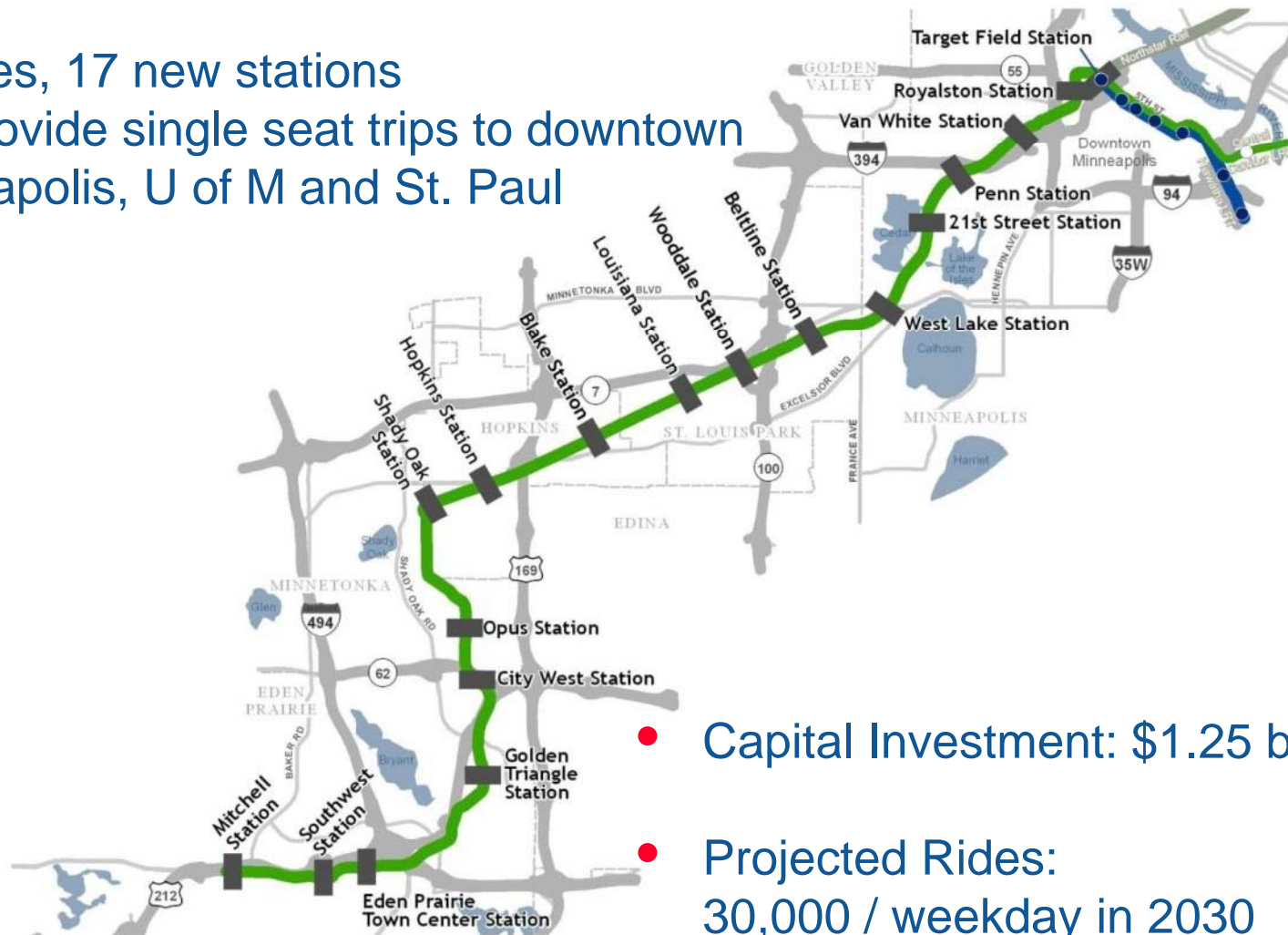
- Minnesota Statute 473.3994
- Local jurisdictional review and approval of physical design component of preliminary design plans


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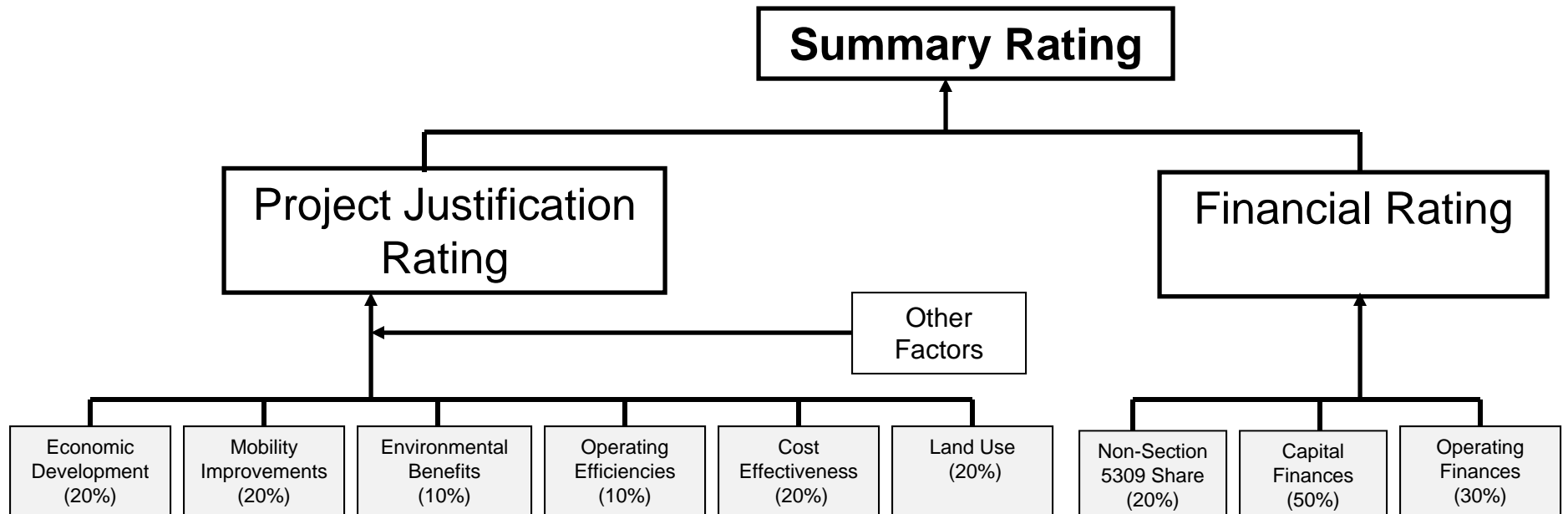
Green Line LRT Extension

Route

- 15 miles, 17 new stations
- Will provide single seat trips to downtown Minneapolis, U of M and St. Paul



New Starts Statutory Evaluation and Rating Framework



The logo for the Southwest Green Line LRT Extension. It features a stylized train icon in blue and yellow, with the word "SOUTHWEST" in blue capital letters above it. Below "SOUTHWEST" is the text "Green Line LRT Extension" in a smaller, green font. The logo is set against a white background with a green border, which is placed on a dark green horizontal bar with a light green grid pattern.

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FTA Cost Effectiveness Index

$$\text{CEI} = \frac{\text{Annualized capital and operating costs}}{\text{Annual travel time savings}}$$



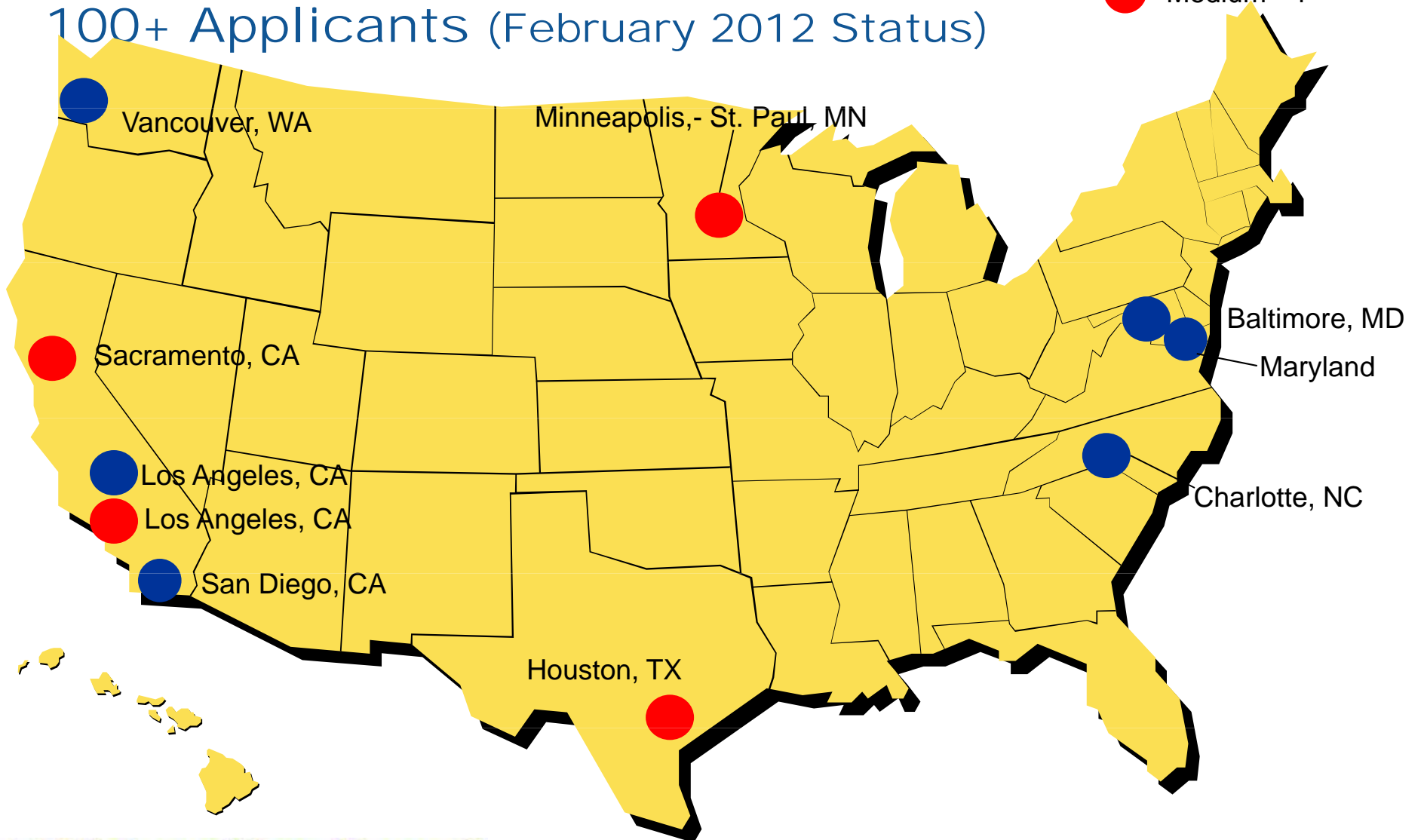
SWLRT New Starts Project Rating

Local Financial Commitment	Medium
New Starts Share	Medium
Capital Plan	Medium
Operating Plan	Medium High
Project Justification	Medium
Environmental Benefits	Medium
Operating Effectiveness	Medium
Mobility Improvements	Medium
Cost Effectiveness	Medium-Low
Economic Development	Medium-High
Land Use	Medium
Overall Project Rating	Medium



Peer "New Starts" PE Projects out of 100+ Applicants (February 2012 Status)

- Medium-High - 6
- Medium - 4





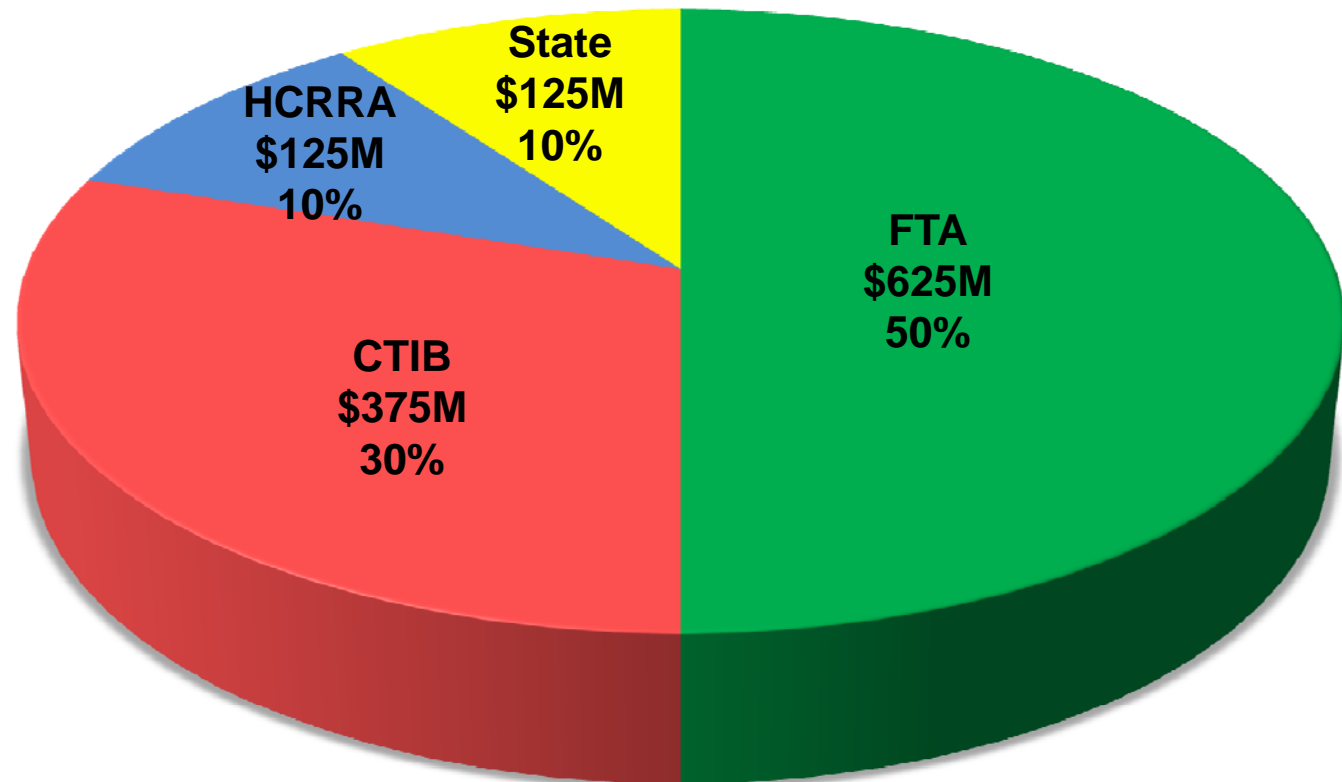
SWLRT Project Phases

2002 – 2005	Feasibility Studies
2005 – 2010	Alternatives Analysis
2010 – 2011	Pre-Preliminary Engineering
2011 – 2013	Preliminary Engineering
2013	Record of Decision (ROD)
2013 – 2014	Final Design
2014	Full Funding Grant Agreement (FFGA)
2014 – 2017	Construction
2018	Revenue Operation



Project Funding

- \$1.25 Billion Project budget





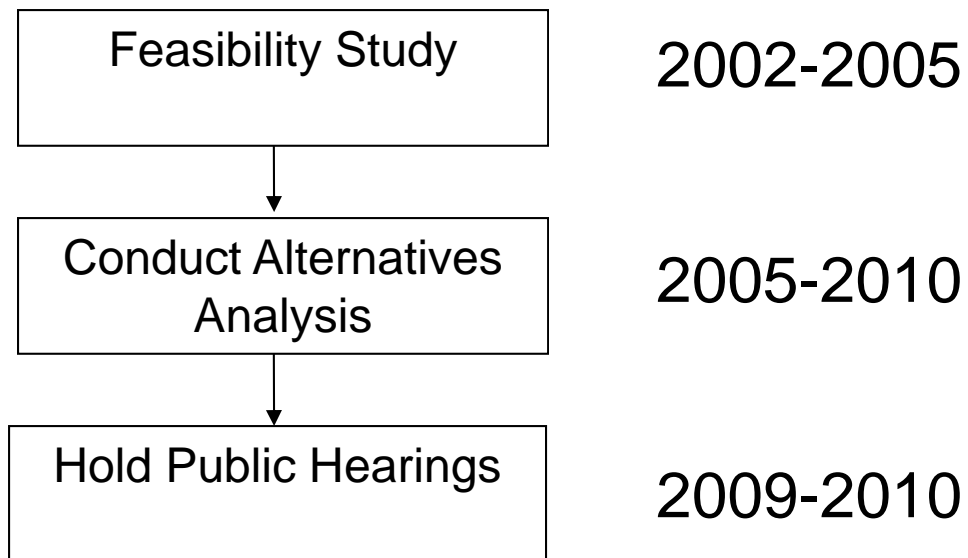
What is NEPA?

- National Environmental Policy Act
- Federal law in place to protect, maintain, and enhance environment
- Establishes process to assess environmental impacts of major Federal projects
- Helps to make informed decisions based on analysis of alternatives and impacts on natural and human environment
- Includes public input through project scoping and comment opportunities



NEPA Process

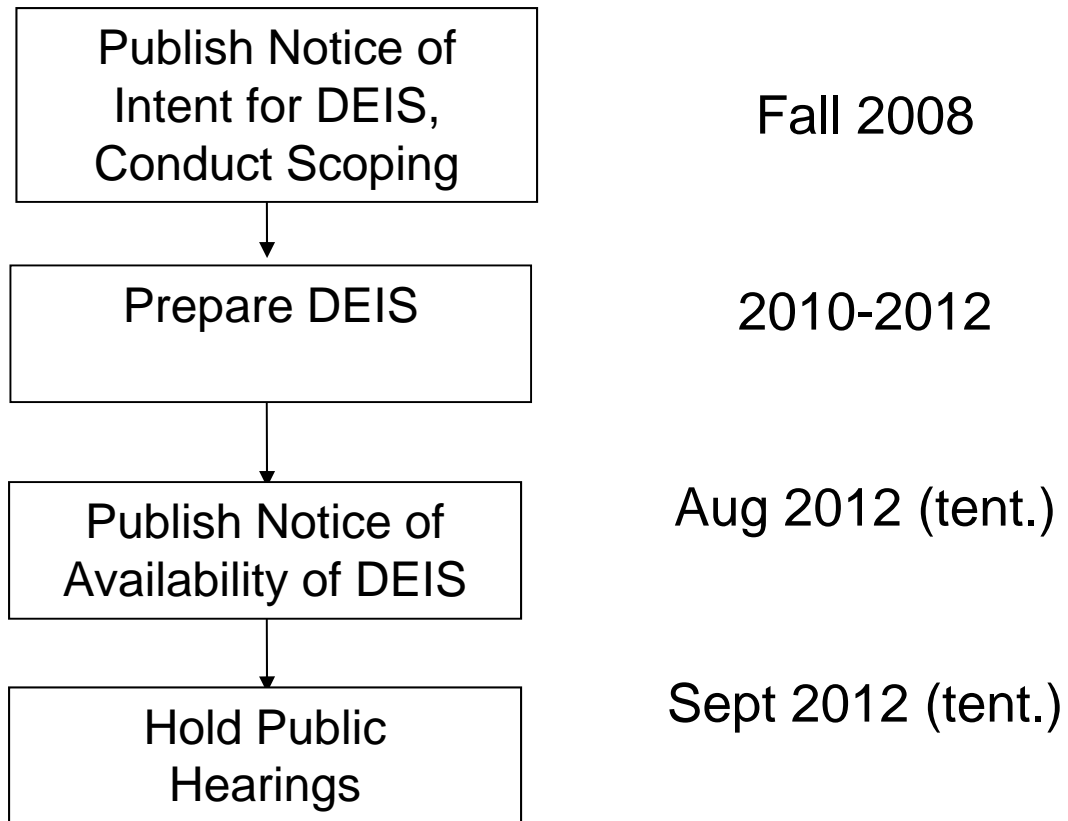
Scoping/AA





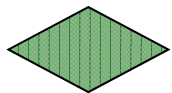
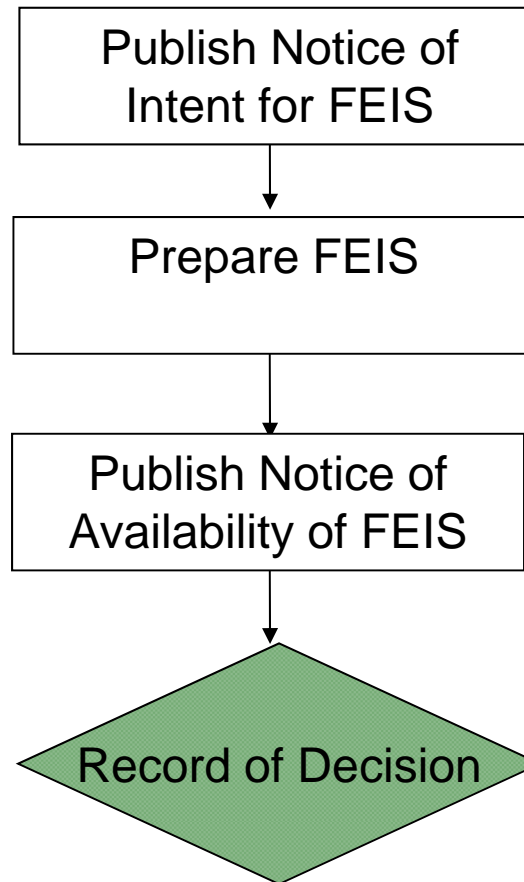
NEPA Process

DEIS





NEPA Process FEIS



FTA Action



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Next Meeting

- Thursday June 14, 2012, 6:00 pm



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More Information



Website: www.swlrt.org

Email: swlrt@metrotransit.org



Cost Effectiveness Index Ratings

SWLRT \$31.16

Rating	Value
High	>\$12.49
Medium High	\$12.50 - \$16.49
Medium Low	\$25.50 - \$31.49
Medium	\$16.50 – \$25.49
Medium Low	\$25.50-\$31.49
Low	>\$31.50