

**Federal Transit Administration's  
New Starts Process**

# **Red Line Extension Alternatives Analysis Study**



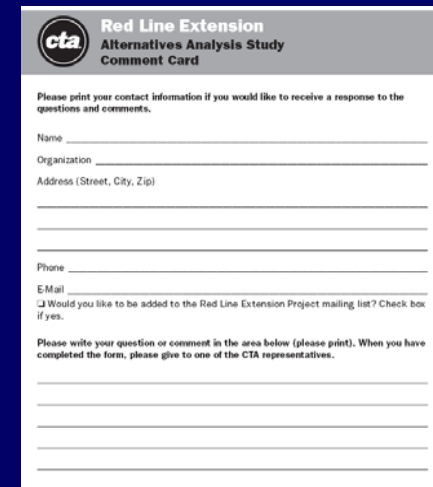
# Schedule for Tonight's Meeting

- Structure of the meeting
- Questions and answers process
  - Submit your comments in writing on comment cards
  - Comments and questions will be grouped and answered by topic
  - All comments and questions will be addressed on CTA's website - [www.transitchicago.com](http://www.transitchicago.com)
  - An interpreter for the hearing impaired and a translator for the Spanish speaking community are available this evening

## Screen 2 Public Involvement Process

- Open Houses are scheduled as follows:
  - Wednesday, December 3, 2008  
6 - 8 p.m. (presentation begins at 6:15 p.m.)  
Historic Pullman Visitor Center  
11141 South Cottage Grove  
Chicago, IL
  - Thursday, December 4, 2008  
6 - 8 p.m. (presentation begins at 6:15 p.m.)  
Woodson Regional Chicago Public Library  
9525 South Halsted Street  
Chicago, IL

Facilities are accessible to  
people with disabilities



**cta** Red Line Extension  
Alternatives Analysis Study  
Comment Card

Please print your contact information if you would like to receive a response to the questions and comments.

Name \_\_\_\_\_

Organization \_\_\_\_\_

Address (Street, City, Zip) \_\_\_\_\_

Phone \_\_\_\_\_

E-Mail \_\_\_\_\_

☐ Would you like to be added to the Red Line Extension Project mailing list? Check box if yes.

Please write your question or comment in the area below (please print). When you have completed the form, please give to one of the CTA representatives.

\_\_\_\_\_

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## Tonight's Speakers

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- **Darud Akbar – Moderator**  
– **Chicago Transit Authority**
- **Jeffrey Busby – Strategic Planning Manager**  
– **Chicago Transit Authority**
- **Ronald Shimizu – Red Line Study Area Manager**  
– **Parsons Brinckerhoff**



# Outline of the Presentation

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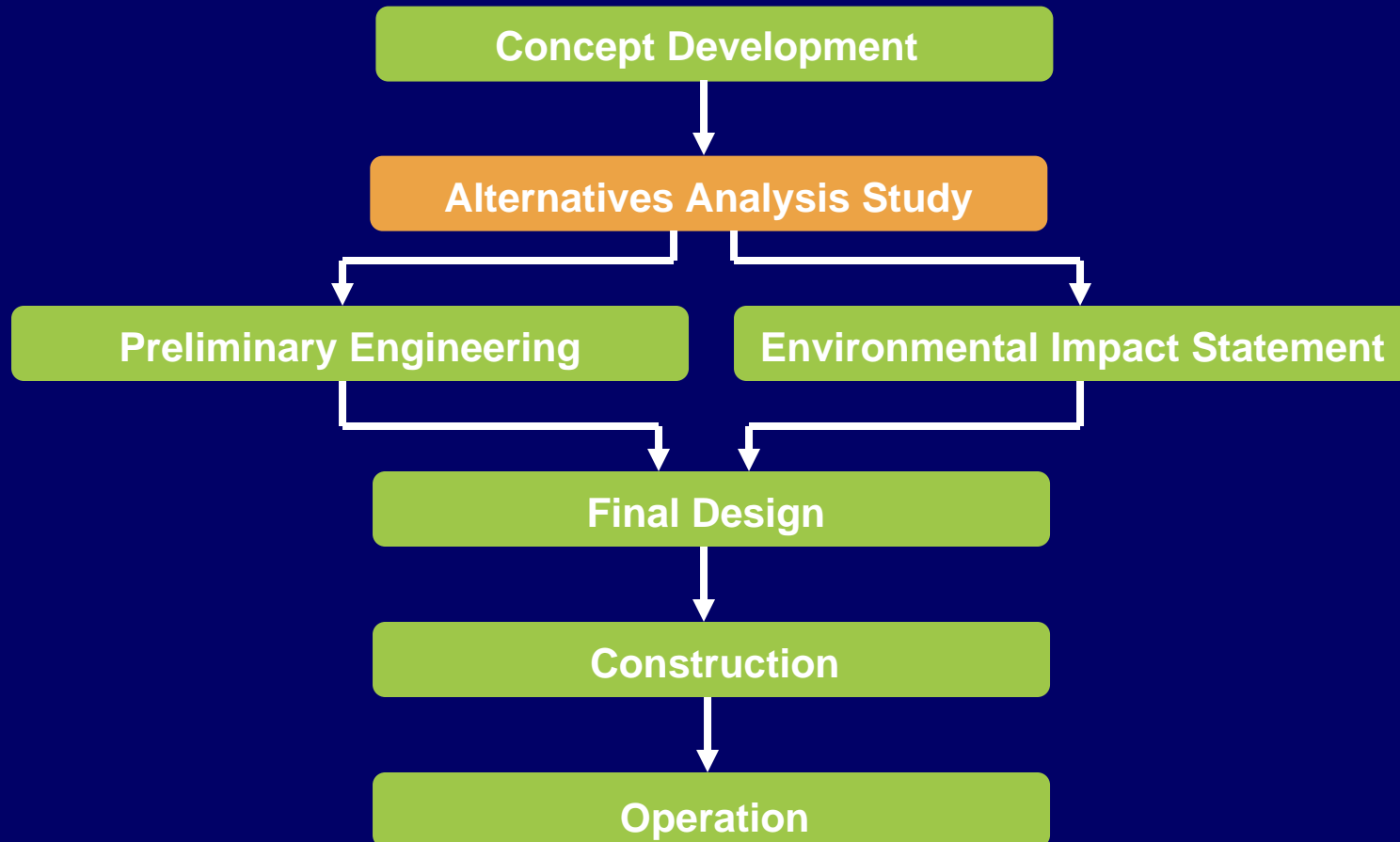
- **Discuss Status of Red Line Extension Alternatives Analysis Study**
  - New Starts Overview
  - Screen 1 Findings
- **Screen 2 Preliminary Findings**
- **Public Involvement Process**



# Status of Study



# FTA's Required New Starts Process



## **Alternatives Analysis (AA) Studies**

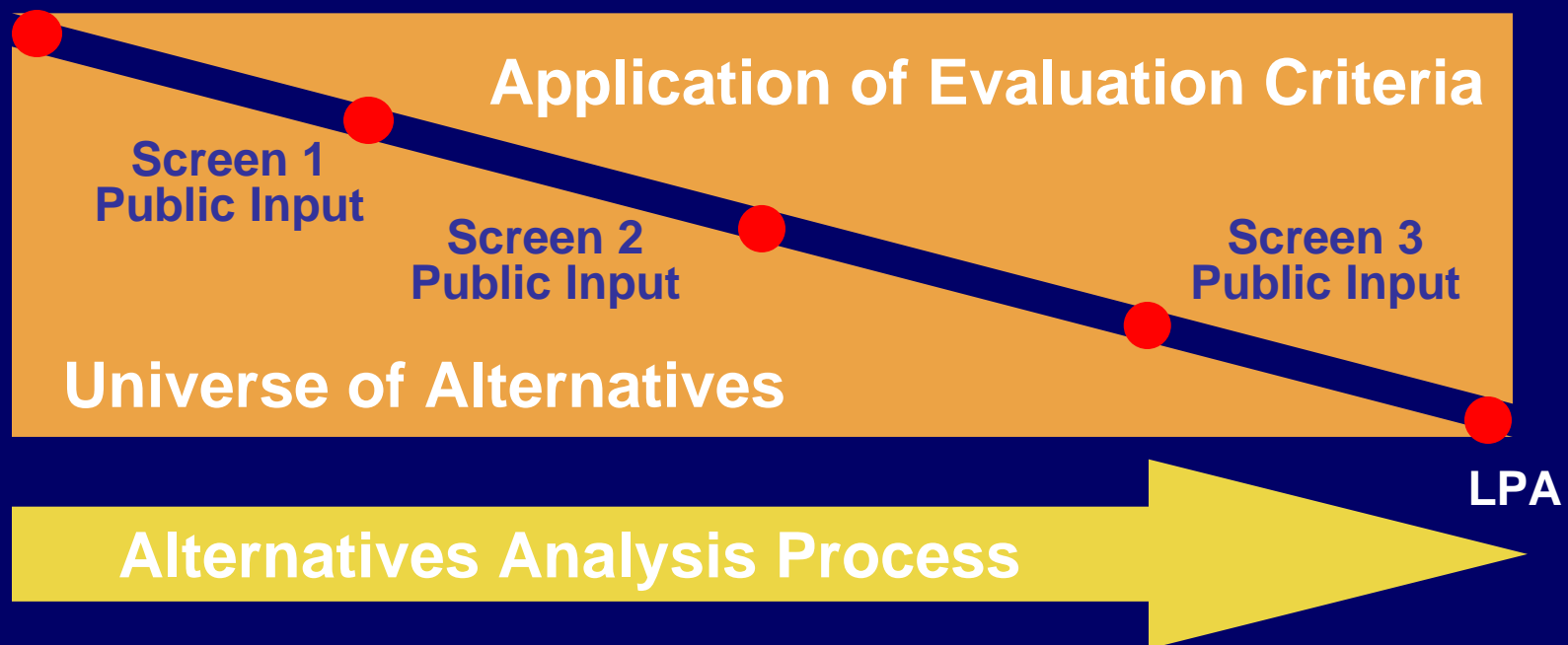
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- **FTA Requirement for federal funding for transit expansion (New Starts)**
- **Identifies transit opportunities and ensures all practical solutions are considered**
- **Ensures planning is consistent among all New Starts projects throughout the country**
- **Provides opportunity to gather information and receive public input**
- **Identifies Locally Preferred Alternative**



# FTA Evaluation Process

The Purpose and Need is first defined, the evaluation criteria are applied, and options within the Universe of Alternatives are eliminated until, at the end of the process, there is a Locally Preferred Alternative (LPA).



## Purpose and Need

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- **Significant Bus and Passenger Congestion at 95<sup>th</sup> Street Red Line Station**
- **Lengthy Bus Trips to Access 95<sup>th</sup> Street Red Line Station**
- **Far South Area Residents Experience 20% Longer Commute Times than Rest of City**
- **Traffic Congestion is Expected to Grow along with Study Area Population and Employment**



## Screen 1 Process

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1. Define the Universe of Alternatives
2. Evaluate all Potential Technologies
3. Evaluate all Potential Alignments  
(Corridors and Profiles)
4. Evaluate all Potential Combinations of  
Technological and Alignment Alternatives
5. Advance Strongest Combinations to Screen 2



# Universe of Alternatives - Technologies

## TECHNOLOGIES

Automated Guideway/Monorail

Bus Rapid Transit

Commuter Bus

Commuter Rail

Heavy Rail Transit

High Speed Rail

Light Rail Transit

Local Bus

MagLev

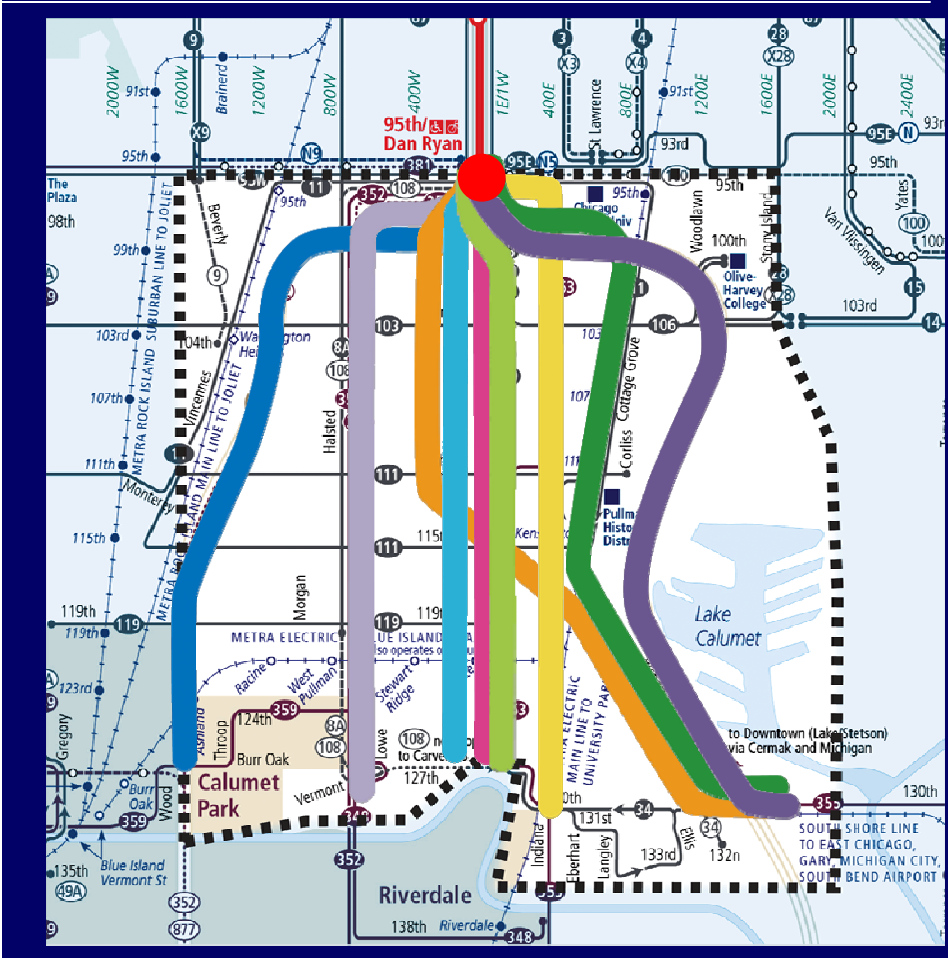
Personal Rapid Transit










Streetcar



## Screen 1

## Universe of Alternatives - Corridors



-  **I-57 Expressway**
-  **Halsted Street**
-  **UP Railroad**
-  **Wentworth Avenue**
-  **State Street**
-  **Michigan Avenue**
-  **King Drive**
-  **Cottage Grove Avenue /  
Metra Electric**
-  **I-94 Bishop Ford Freeway**



# Universe of Alternatives - Profiles

## PROFILES

Elevated



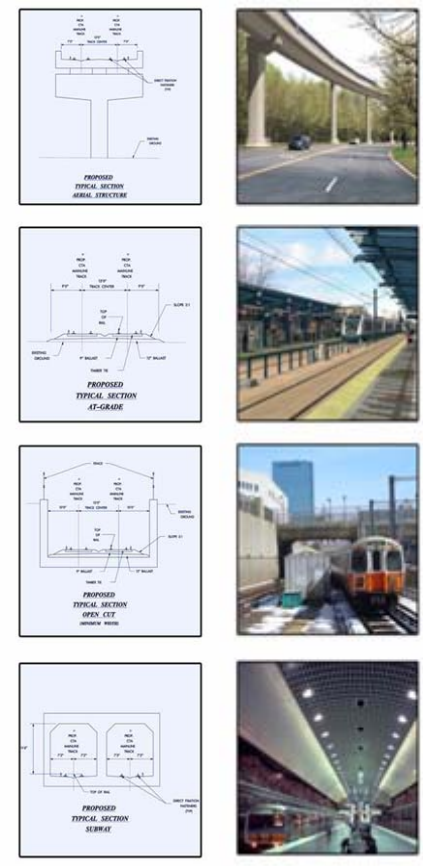
At-Grade



Trench



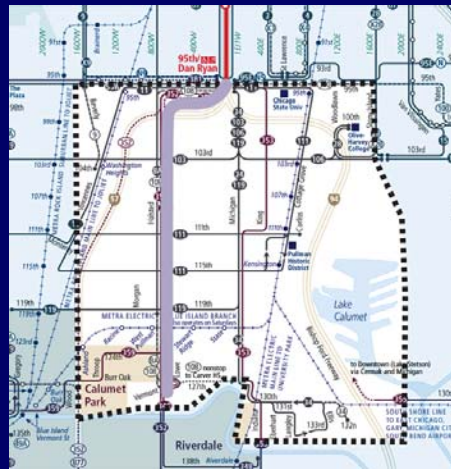
Underground



## Screen 1

# Screen 1 Evaluation - Findings

## Bus Rapid Transit



Halsted Street



Michigan Avenue

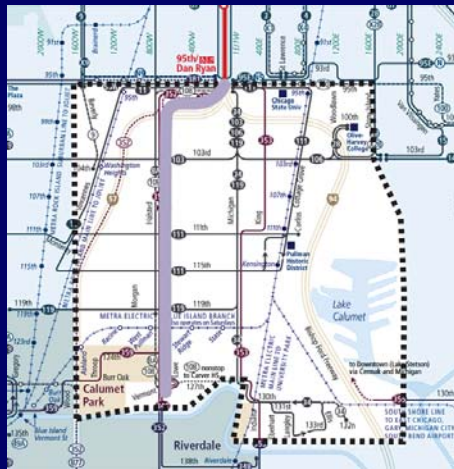
 At Grade



## Screen 1

# Screen 1 Evaluation - Findings

## Heavy Rail Transit



Halsted Street



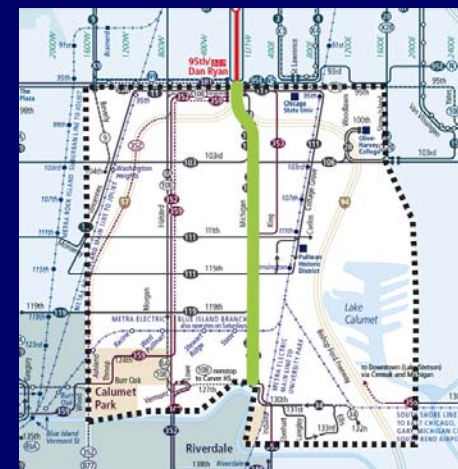
Elevated / Underground



UP Railroad



Elevated / Trench



Michigan Avenue



Elevated / Underground

Red Line Extension Alternatives Analysis Study





## Screen 1 Public Involvement Process

- **Two Public Meetings**
  - April 10, 2007 at Chicago State University
  - April 11, 2007 at West Pullman Branch Chicago Public Library
- **More than 140 people attended public meetings**
- **Met with stakeholders and elected officials**
- **Over 200 comments submitted and answered**
- **Significant media coverage**



# Screen 2 Analysis



# Screen 2 Process

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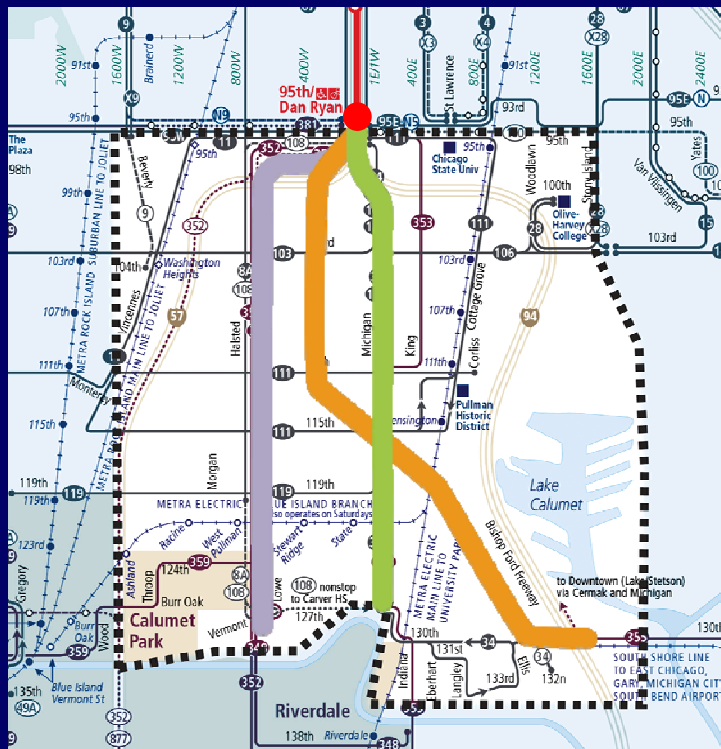
- **Step 1 – Alternatives Definition**
- **Step 2 – Preliminary Evaluation**
  - Physical Constraints (Right-of-Way Requirements)
  - Social & Economic Factors (Demographics and Employment)
  - Environmental Factors (Noise, Visual, Natural and Cultural Resources)
  - Transportation Factors (Travel Time, Transit Connectivity and Traffic)
- **Step 3 – Detailed Evaluation**
  - Capital Cost Comparison
  - Operating and Maintenance (O&M) Cost Comparison
  - Ridership Potential
  - Cost Effectiveness



## Screen 2

# Step 1 - Alternatives Definition

- Integrated the most suitable technologies, alignments and potential station locations



- Halsted Street
- UP Railroad
- Michigan Avenue



Bus Rapid Transit



Heavy Rail Transit

Red Line Extension Alternatives Analysis Study

