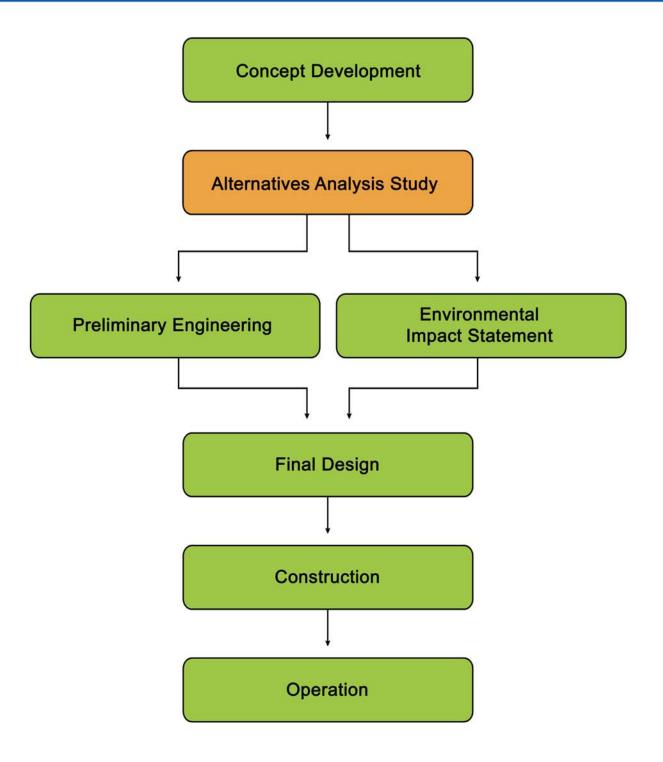
FTA's New Starts Process







Purpose and Need

Transportation Needs

- Significant bus and passenger congestion at 95th Street Red Line Station
- Lengthy bus trips to access 95th Street Red Line Station
- Far South Area residents experience 20% longer commute than rest of City
- Traffic congestion is expected to grow along with study area population and employment

Opportunity for Improvement

- Extend rapid transit service south from 95th Street Red Line Station
- Improve access to, within, and beyond study area
- Stimulate economic development and job opportunities
- Shorten transit travel times through faster and more direct routings





Community Participation

Community participation is one of the key components of the alternatives analysis.

Community Outreach

- General Public
- Elected and Appointed Officials
- Community and Civic Organizations
- Faith-Based Organizations
- City and State Agencies

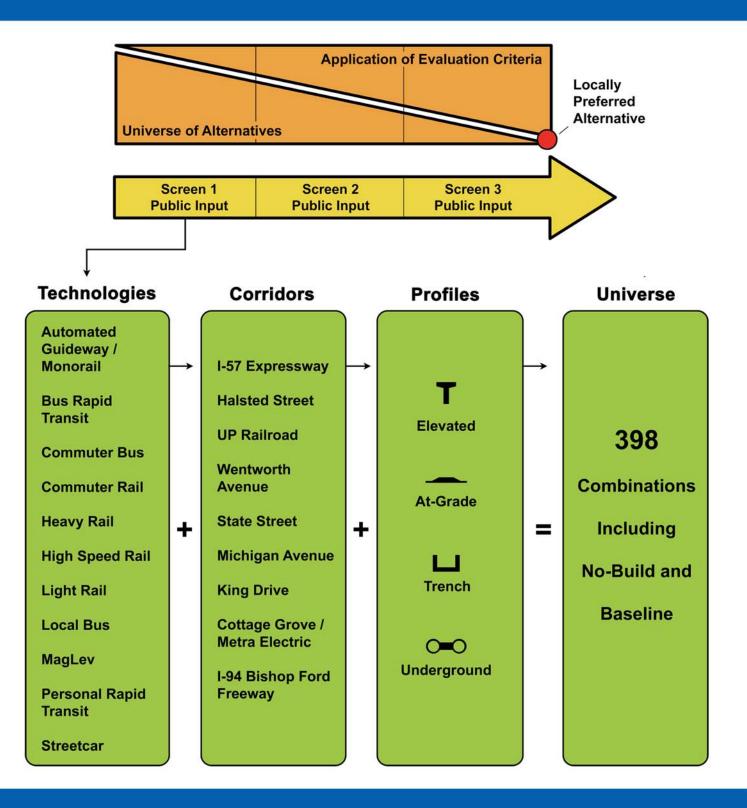
Ongoing Public Involvement/Input

- Meetings announced through public notices and advertisements
- Project updates on the CTA web site : <u>www.transitchicago.com</u>, accessible at local public libraries





Alternatives Analysis Process







Technologies Evaluated



Automated Guideway/Monorail

 Service Area: Airports, theme parks, circulators, ½ to 5 miles

Typical Speeds: 15 to 30 mph
Station Spacing: ½ to 2 miles



Bus Rapid Transit

 Service Area: Urban and suburban uses, 1 to 10 miles or more

Typical Speeds: 15 to 25 mph
Station Spacing: ¼ to 1 mile



Commuter Bus

Service Area: Suburbs to city,
 15 to 100 miles

Typical Speeds: 30 to 50 mph

 Station Spacing: 3 to 7 miles, or at end points



Commuter Rail

 Service Area: Suburbs to city, 15 to 100 miles

Typical Speeds: 30 to 50 mph

• Station Spacing: 3 to 7 miles





Technologies Evaluated



Heavy Rail

- Service Area: Urban uses and loadings,
 1 to 10 miles or more
- · Typical Speeds: 25 to 40 mph
- Station Spacing: ¼ mile downtown, up to 2 miles in neighborhoods



High Speed Rail

- Service Area: Intercity, 150 to 300 miles
- · Typical Speeds: 110 to 186 mph
- · Station Spacing: 20 to 50 miles



Light Rail

- Service Area: Urban or suburban uses,
 1 to 10 miles or more
- Typical Speeds: 15 to 25 mph
- Station Spacing: ¼ to 1 mile



Local Bus

- Service Area: Urban and suburban uses,
 ½ to 5 miles
- Typical Speeds: 10 mph
- Station Spacing: 2 to 4 blocks





Technologies Evaluated



MagLev

· Service Area: Intercity, 100 to 300 miles

Typical speeds: 250 to 340 mph

Station Spacing: 20 to 50 miles



Personal Rapid Transit

 Service Area: Small area networks or campuses, 1 to 5 miles

· Typical Speeds: 15 mph

Station Spacing: ¼ to 1 mile



Streetcar

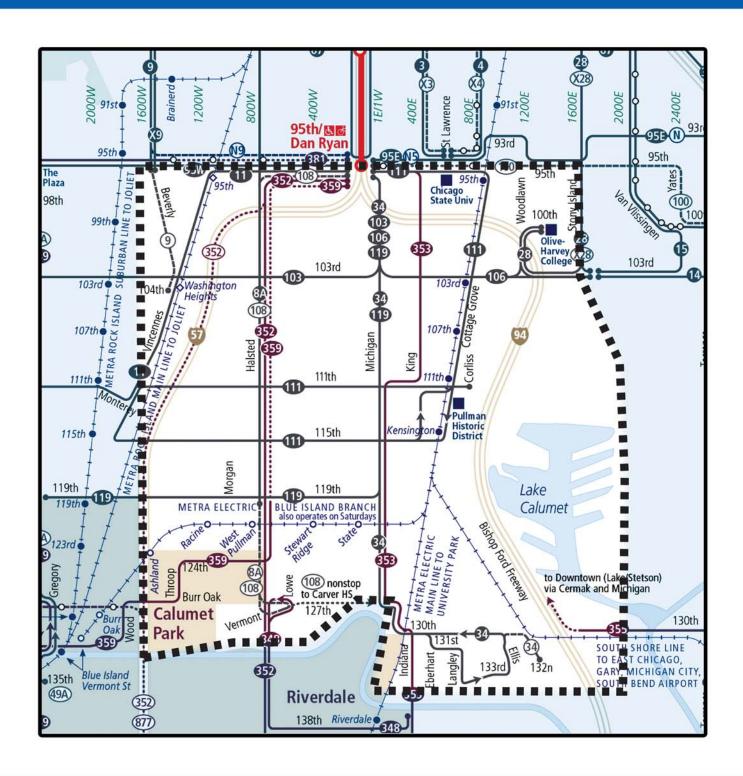
 Service Area: Urban and suburban streets, ½ to 6 miles

Typical Speeds: 10 mph

Station Spacing: 2 to 4 blocks



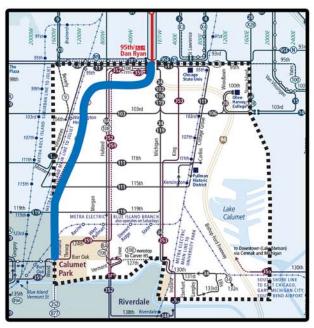
Study Area







Corridors Evaluated



I-57 Expressway Corridor



Halsted Street Corridor

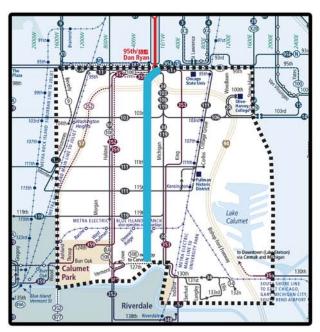


UP Railroad Corridor

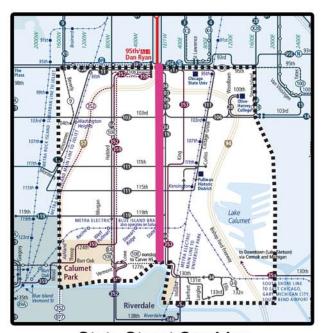




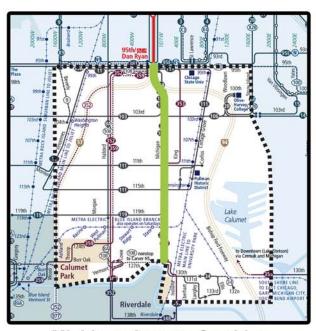
Corridors Evaluated



Wentworth Avenue Corridor



State Street Corridor

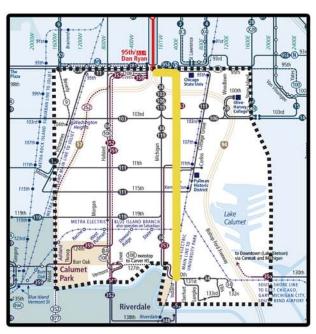


Michigan Avenue Corridor





Corridors Evaluated



King Drive Corridor



Cottage Grove / Metra Electric Corridor

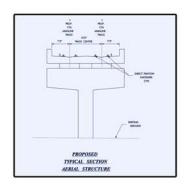


I-94 Bishop Ford Freeway Corridor



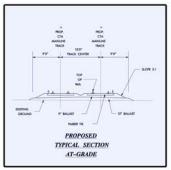


Profiles Evaluated



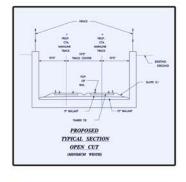
T Elevated





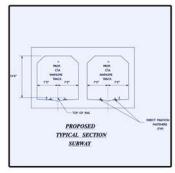
At Grade





☐ Trench





○Underground







Step 1: Technology Evaluation

	Does Mod	Advance for			
Technology	Length of Commute	Typical Station Spacing	Operating Speed	System Applicability	Further Screening?
Automated Guideway	•	•	•	•	YES
Bus Rapid Transit	•	•	•	•	YES
Commuter Bus	x	х	•	•	NO
Commuter Rail	X	x	•	•	NO
Heavy Rail Rapid Transit	•	•	•	•	YES
High Speed Rail	Х	х	x	х	NO
Light Rail Transit	•	•	•	•	YES
Local Bus	•	x	x	•	NO
MagLev	X	x	x	x	NO
Personal Rapid Transit	•	x	•	x	NO
Streetcar	•	х	х	•	NO

● Yes X No





Step 2:

Technology & Profile Evaluation

Technology	Profile	Air Quality	System Capacity	Travel Time	Compati- bility	Traffic	Project Cost	Advance for Further Screening?
Automated Guideway	Elevated	0	0	-	\$ =	+	0	NO
Transit	Trench	0	0	-	-	0	0	NO
The Charles	Underground	0	0	•	=	+	ı	NO
Bus Rapid	Elevated	0	0	0	-	+	0	NO
Transit	At-Grade	0	0	0	+	0	+	YES
	Trench	0	0	0	-	0	0	NO
	Underground	0	0	0	-	+	()	NO
Heavy Rail Transit	Elevated	0	+	+	+	+	0	YES
	Trench	0	+	+	+	0	0	YES
	Underground	0	+	+	+	+	.=	YES
Light Rail Transit	Elevated	0	0	0	-	+	0	NO
	At-Grade	0	0	0	i -	a —	+	NO
	Trench	0	0	0	-	0	0	NO
	Underground	0	0	0	-	+	-	NO





O Comparable to other alternatives

Worse than other alternatives

Step 3: Corridor Evaluation

Criteria	Land Use	Neigh- borhood	Under- served	Transit Usage	Accessi- bility	Advance for Further Screening?
I-57 Expressway	+	0	0	•		NO
Halsted Street	ŧ	+	+	+	0	YES
UP Railroad	+	+	+	+	+	YES
Wentworth Street	-	+	+	0	+	NO
State Street	-	+	+	0	+	NO
Michigan Avenue	+	+	+	+	+	YES
King Drive	-	+	0	0	+	NO
Cottage Grove / Metra Electric	=	0	0	+	0	NO
I-94 Bishop Ford Freeway	+	-	=	=	-	NO

Better than other alternatives





O Comparable to other alternatives

Worse than other alternatives

Step 4: Combined Evaluation

Tachnalagy	Profile	Recommended to Advance for Detailed Evaluation				
Technology	Prome	Halsted Corridor	UPRR Corridor	Michigan Corridor		
Bus Rapid Transit	Elevated	NO	NO	NO		
	At-Grade	YES	NO	YES		
	Trench	NO	NO	NO		
	Underground	NO	NO	NO		
Heavy Rail Transit	Elevated	YES	YES	YES		
	Trench	NO	YES	NO		
	Underground	YES	NO	YES		





Preliminary Findings

Bus Rapid Transit



Halsted Street Corridor

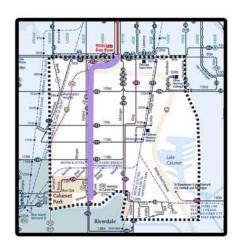
- At Grade



Michigan Avenue Corridor

- At Grade

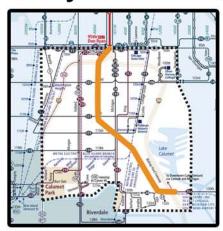
Heavy Rail Transit



Halsted Street Corridor

T Elevated

O Underground



UP Railroad Corridor

T Elevated



Michigan Avenue Corridor

T Elevated
O=O Underground



