

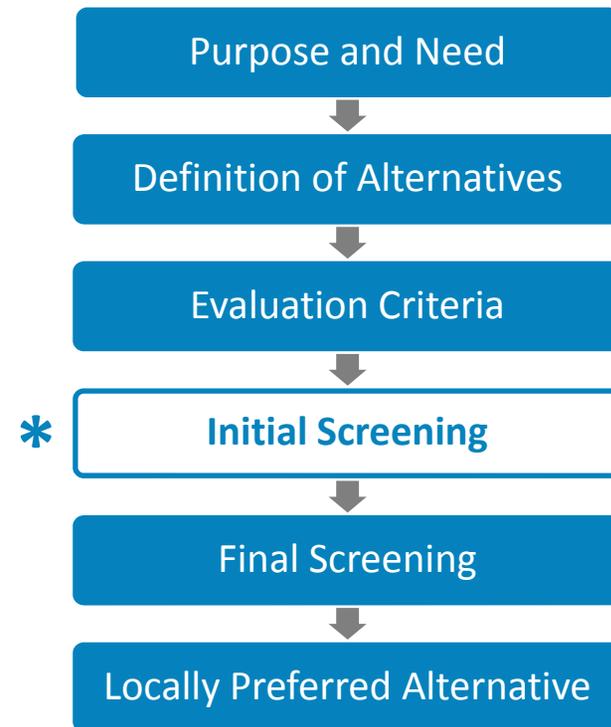


Central Omaha TRANSIT ALTERNATIVES ANALYSIS

Project Overview

What is an Alternatives Analysis?

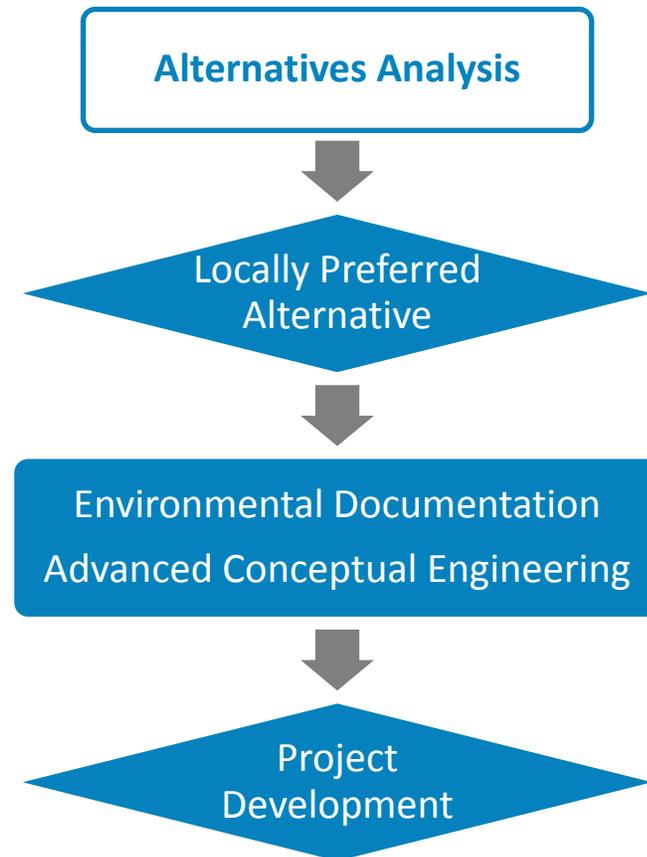
- An Alternatives Analysis (AA) is a transit planning study
 - Follows Federal Transit Administration (FTA) guidelines
 - Develops and evaluates transit alternatives
 - Identifies a Locally Preferred Alternative (LPA)



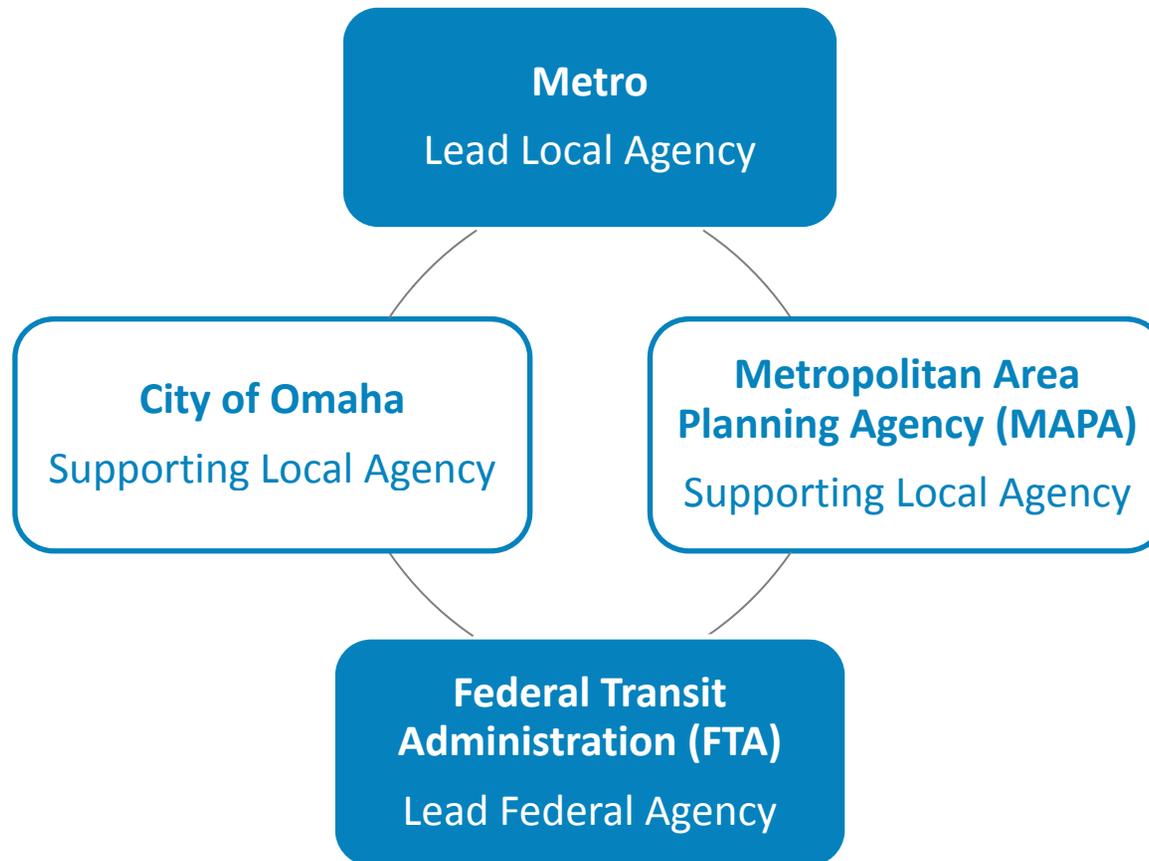
* We are here in the process

Process

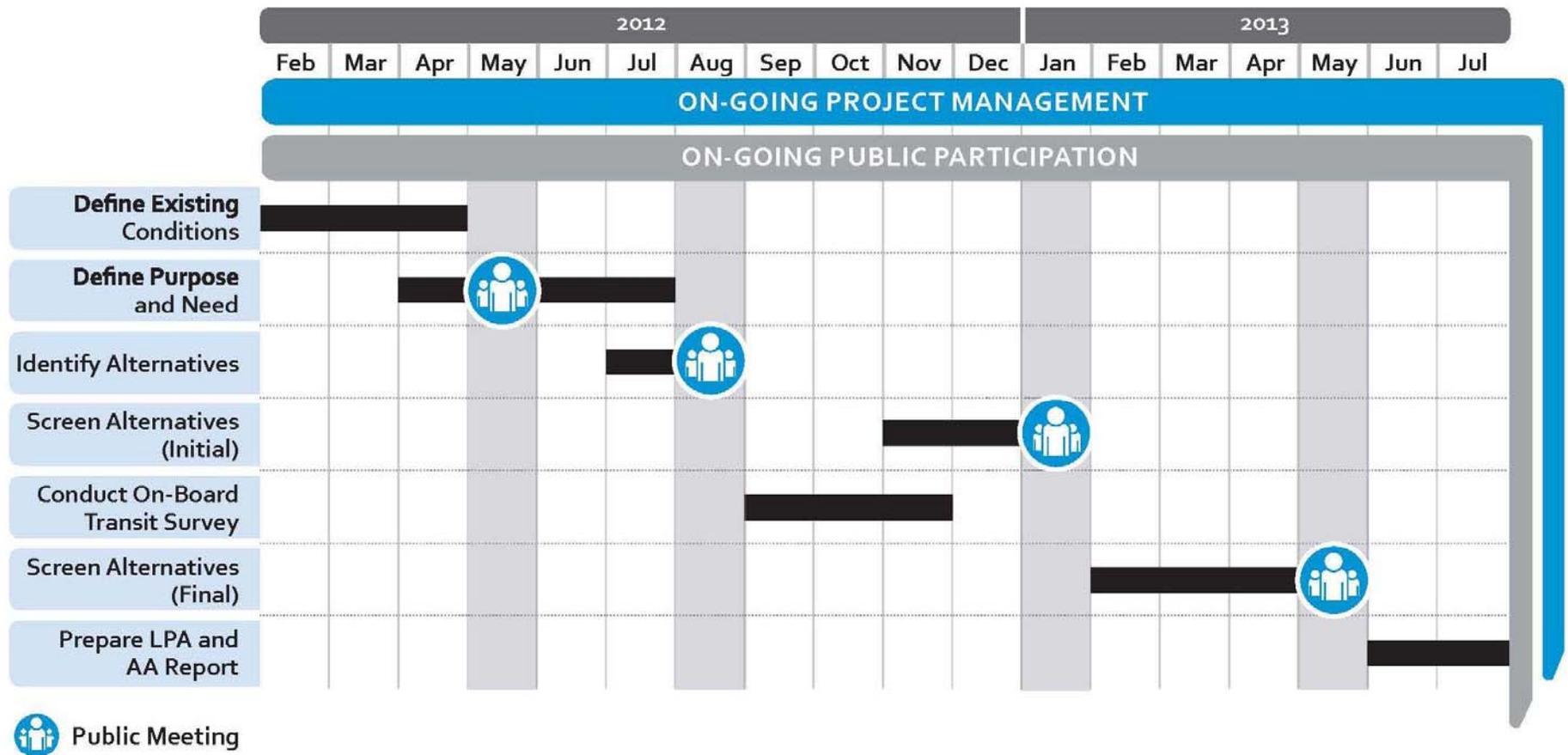
- AA study is the first step in the FTA project development process
 - Must follow process to be eligible for Federal funding



Roles and Responsibilities



Project Schedule



On-Board Transit Survey

- Metro conducted system-wide survey
 - October 1-10, 2012
- Data collected includes:
 - Passenger origin-destination (O-D)
 - Metro boarding and alighting data
- Data will be used for:
 - Ridership and evaluation of alternatives
 - Regional planning efforts
- Results
 - 61% of Metro riders were offered surveys
 - Over 4,400 surveys received
 - Collected O-D survey data for 36% of Metro riders (exceeded 10% goal)

On-Board Survey Overview



How are we doing? We hope you will tell us what you think about the transit services you use. Your opinion is important to us! Metro will use the information from this survey to improve transit services and to plan new transit projects in the future.

This is a voluntary survey. If you agree to take the survey, please answer all questions and return the form to the surveyor today or to your bus driver on your next Metro ride! **Thanks for your help!**



1. What type of place are you COMING FROM now? Mark one box

<input type="checkbox"/> Medical / hospital visit	<input type="checkbox"/> Work
<input type="checkbox"/> College / university	<input type="checkbox"/> School (K-12)
<input type="checkbox"/> Home	<input type="checkbox"/> Shopping
<input type="checkbox"/> Personal / social / recreational	<input type="checkbox"/> Other: _____

2. What is the LOCATION of the PLACE you are COMING FROM now?
If you are under age 18 and the place is your home, please enter only the nearest intersection and city

Address: Street # Direction N,S,E,W Street Name
 Or Nearest Intersection: Street 1 & Street 2
 In the City of: Zip Code, if known:
 What is the name of the place or building? Example: "Westroads Mall"

3. How did you GET FROM that place to the FIRST BUS you rode on this ONE-WAY trip?

<input type="checkbox"/> Walked / wheelchair / other device _____ blocks
<input type="checkbox"/> Bicycled _____ blocks
<input type="checkbox"/> Drove _____ miles
<input type="checkbox"/> Rode _____ miles with someone else who parked
<input type="checkbox"/> Dropped off or taxi

4. Will you transfer FROM or TO another bus route as a part of this ONE-WAY trip?

No
 Yes, list in exact order each bus route you will use to make this trip:
 Route # of 1st bus → Route # of 2nd bus → Route # of 3rd bus

5. What type of place are you GOING TO now? Mark one box

<input type="checkbox"/> Medical / hospital visit	<input type="checkbox"/> Work
<input type="checkbox"/> College / university	<input type="checkbox"/> School (K-12)
<input type="checkbox"/> Home	<input type="checkbox"/> Shopping
<input type="checkbox"/> Personal / social / recreational	<input type="checkbox"/> Other: _____

6. What is the LOCATION of the PLACE you are GOING TO now?
If you are under age 18 and the place is your home, please enter only the nearest intersection and city

Address: Street # Direction N,S,E,W Street Name
 Or Nearest Intersection: Street 1 & Street 2
 In the City of: Zip Code, if known:
 What is the name of the place or building? Example: "Westroads Mall"

7. How will you GET FROM the LAST BUS you will ride to the place you are GOING TO now?

<input type="checkbox"/> Walk / wheelchair / other device _____ blocks
<input type="checkbox"/> Bicycle _____ blocks
<input type="checkbox"/> Drive _____ miles
<input type="checkbox"/> Ride _____ miles with someone else who parked
<input type="checkbox"/> Will be picked up or take a taxi

8. How many working vehicles (cars, trucks, and motorcycles) are available in your household?

0 1 2 3 or more

9. Could you have used one of these vehicles to make THIS TRIP today, instead of riding the bus?

No Yes

10. If bus service was NOT AVAILABLE, how would you make THIS TRIP?

<input type="checkbox"/> Drive	<input type="checkbox"/> Walk / wheelchair / other device
<input type="checkbox"/> Bicycle	<input type="checkbox"/> Ride with someone else
<input type="checkbox"/> Taxi	<input type="checkbox"/> I would not make this trip

11. Including YOURSELF, how many people live in your household?

1 2 3 4 5 or more

12. What is the combined annual income for your household?

<input type="checkbox"/> Less than \$10,000	<input type="checkbox"/> \$70,000 to \$99,999
<input type="checkbox"/> \$10,000 to \$29,999	<input type="checkbox"/> \$100,000 or more
<input type="checkbox"/> \$30,000 to \$49,999	<input type="checkbox"/> Do not know / prefer not to answer
<input type="checkbox"/> \$50,000 to \$69,999	

13. What is your age?

<input type="checkbox"/> 17 or under	<input type="checkbox"/> 25 to 34	<input type="checkbox"/> 55 to 64
<input type="checkbox"/> 18 to 24	<input type="checkbox"/> 35 to 54	<input type="checkbox"/> 65 or over

14. Are you?

Male Female

15. Are you? Mark all that apply

<input type="checkbox"/> Black / African American	<input type="checkbox"/> Asian
<input type="checkbox"/> White / Non-Hispanic	<input type="checkbox"/> American Indian
<input type="checkbox"/> Hispanic / Latino(a)	<input type="checkbox"/> Other: _____

16. How long have you been riding Metro in the Omaha area? Mark one box

<input type="checkbox"/> Less than 6 months	<input type="checkbox"/> 2 to 5 years
<input type="checkbox"/> 6 to 12 months	<input type="checkbox"/> More than 5 years
<input type="checkbox"/> 1 to 2 years	

17. How often do you ride Metro in the Omaha area? Mark one box

<input type="checkbox"/> 6 or 7 days per week	<input type="checkbox"/> 1 or 2 days per month
<input type="checkbox"/> 5 days per week	<input type="checkbox"/> Less than once per month
<input type="checkbox"/> 3 or 4 days per week	<input type="checkbox"/> This is my first time
<input type="checkbox"/> 1 or 2 days per week	

18. How do you usually pay your fare? Mark one box

Cash Fare	10 Ride Card	30 Day Pass	University Pass
<input type="checkbox"/> Adult	<input type="checkbox"/> Adult	<input type="checkbox"/> Regular	<input type="checkbox"/> MCC Pass-to-Class
<input type="checkbox"/> Student	<input type="checkbox"/> Student	<input type="checkbox"/> Half-fare	<input type="checkbox"/> UNO MavRide
<input type="checkbox"/> Child	<input type="checkbox"/> Child		<input type="checkbox"/> Clarkson College
<input type="checkbox"/> Senior/Disability	<input type="checkbox"/> Senior/Disability		
<input type="checkbox"/> One Ride Card with Transfer			

19. Which ONE of the following do you think is the most important to improve Metro's service? Mark one box

<input type="checkbox"/> Make transferring easier	<input type="checkbox"/> Improve pedestrian / bike access
<input type="checkbox"/> Start service earlier on weekdays	<input type="checkbox"/> More service on weekends
<input type="checkbox"/> End service later on weekdays	<input type="checkbox"/> More information/route numbers at bus stops
<input type="checkbox"/> More frequent service on weekdays	
<input type="checkbox"/> Add new route from: _____ to _____	
<input type="checkbox"/> More direct route from: _____ to _____	

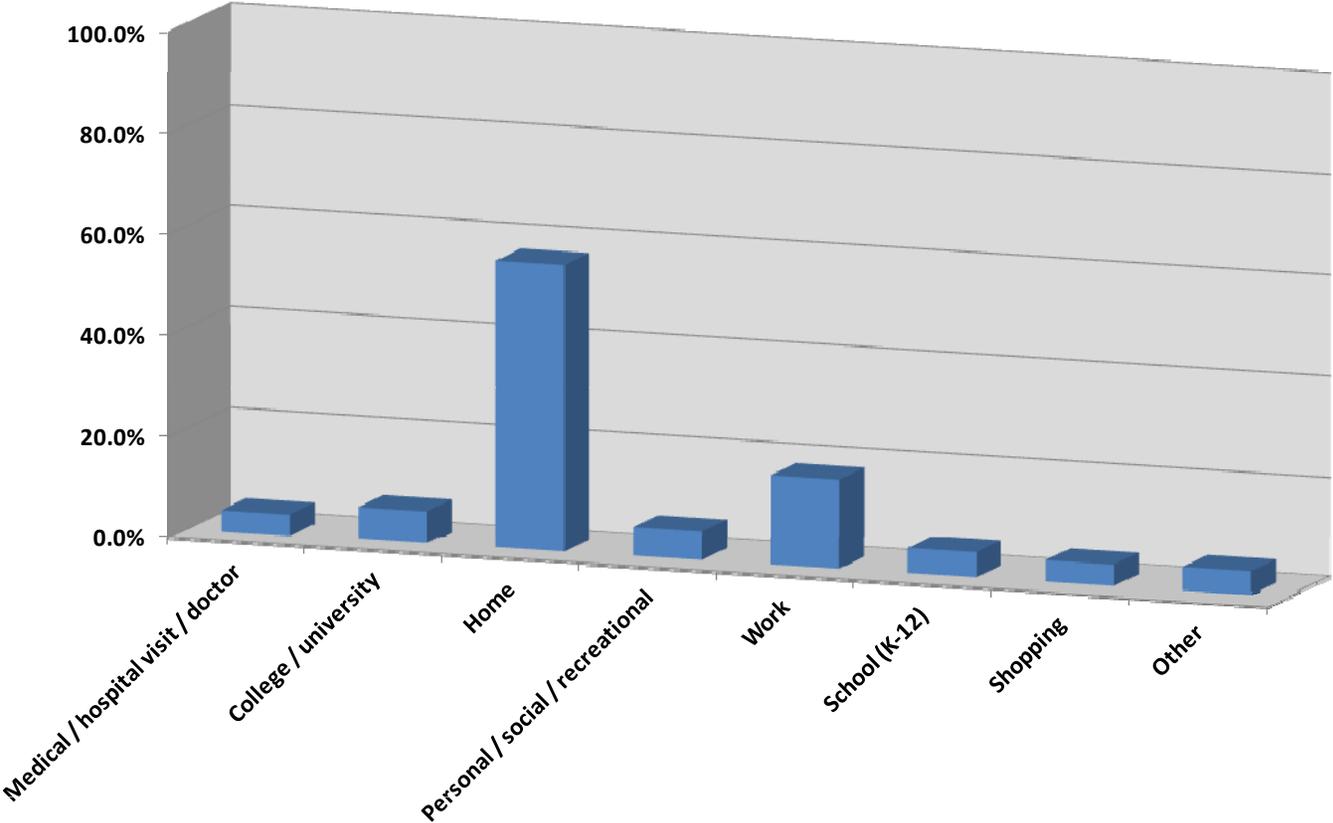
20. Do you agree or disagree with the following statements?

	Strongly Agree	Agree	No Opinion	Disagree	Strongly Disagree
Metro takes me where I need to go.	<input type="checkbox"/>				
Schedule information is easy to use.	<input type="checkbox"/>				
I feel safe riding the bus.	<input type="checkbox"/>				
Buses are clean.	<input type="checkbox"/>				
Drivers are helpful and friendly.	<input type="checkbox"/>				
Buses are on-time.	<input type="checkbox"/>				

21. How can Metro make transit service better for you?

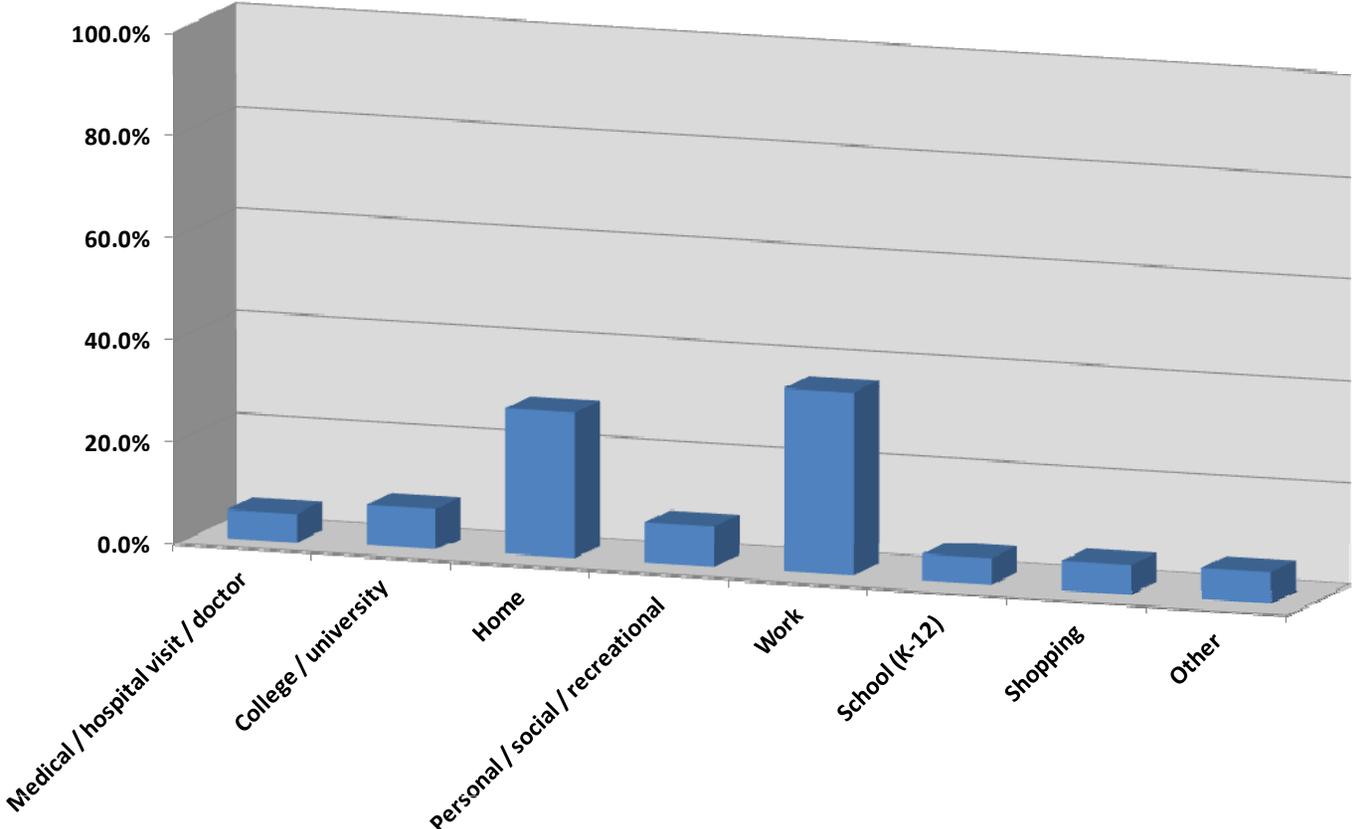
On-Board Survey Results

What type of place are you COMING FROM now?



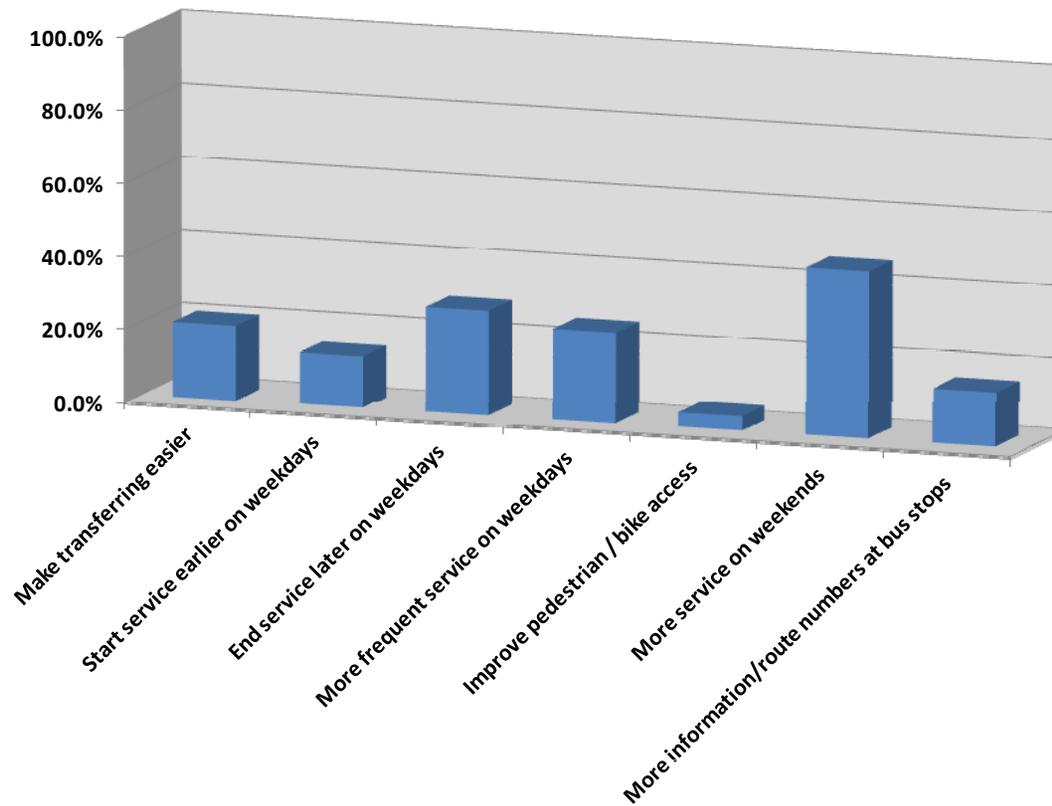
On-Board Survey Results

What type of place are you GOING TO now?



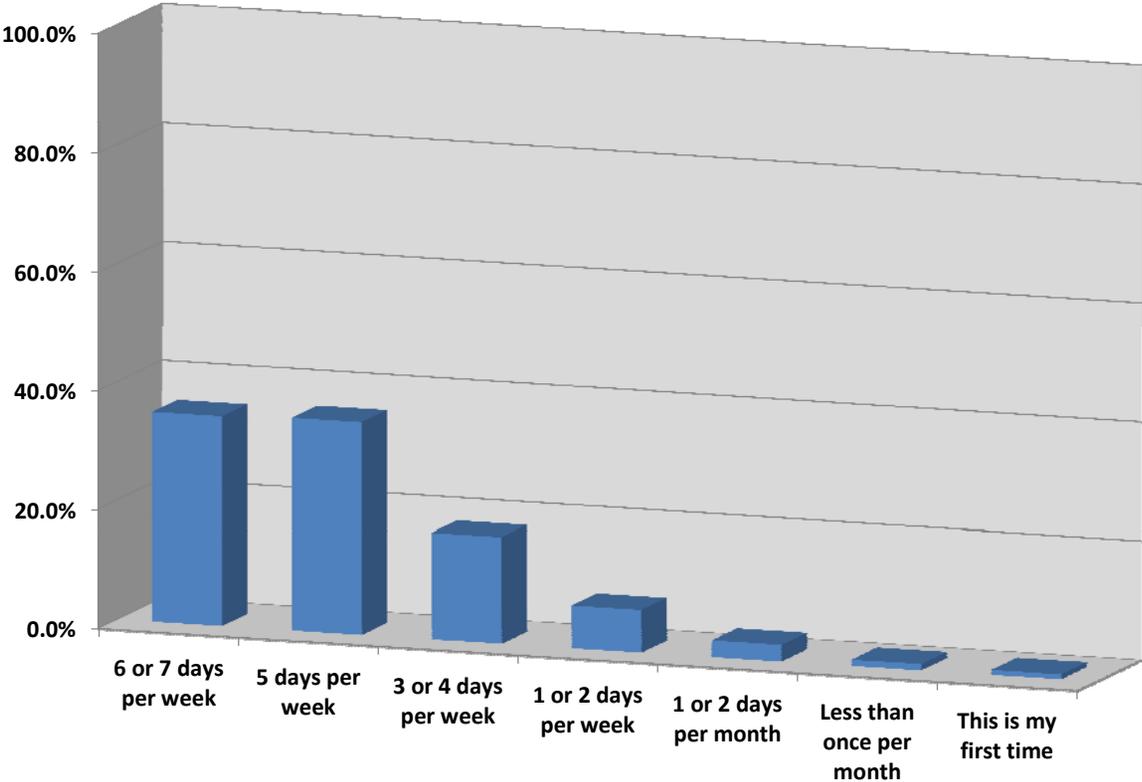
On-Board Survey Results

Which ONE of the following do you think is the most important to improve Metro's service?



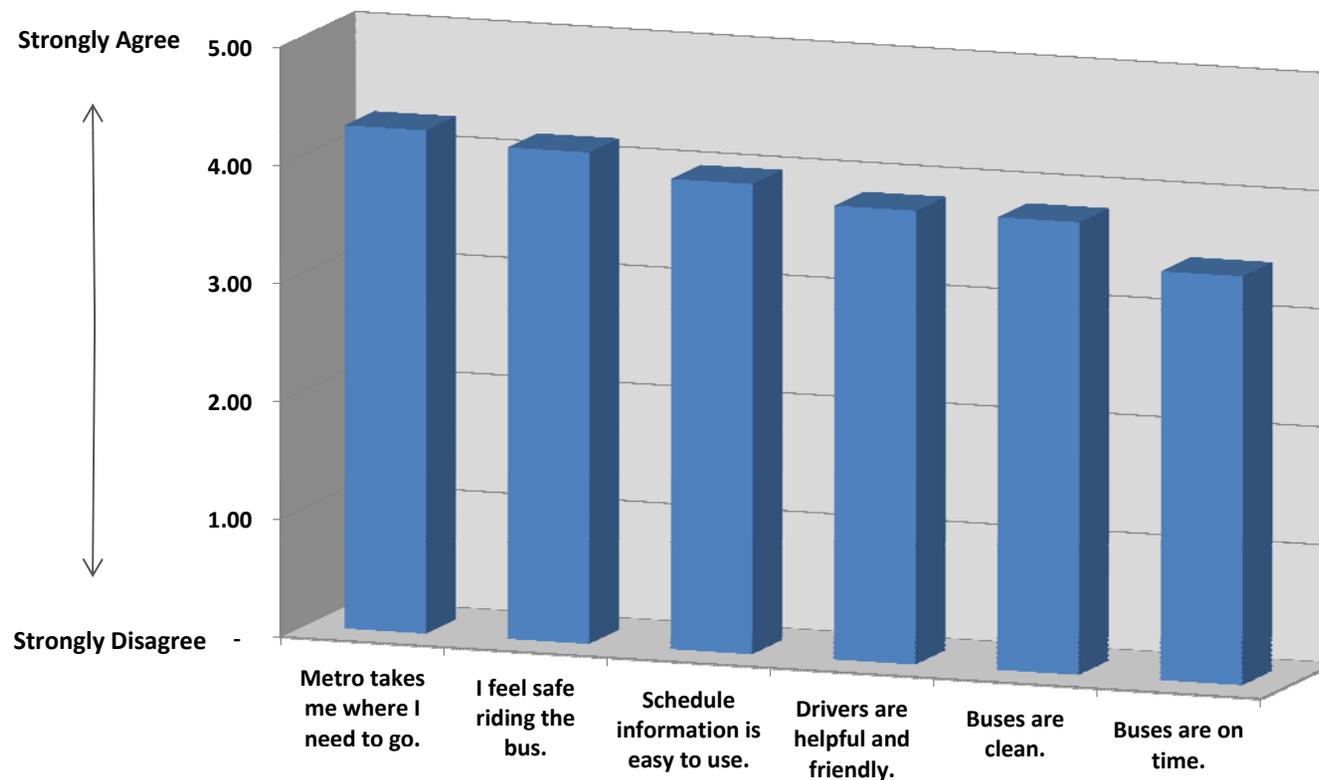
On-Board Survey Results

How often do you ride Metro in the Omaha area?



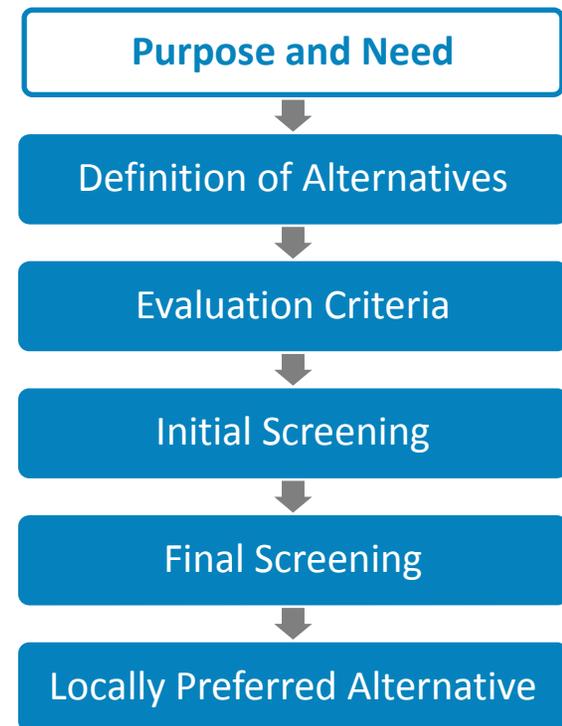
On-Board Survey Results

Do you agree or disagree
with the following statements?



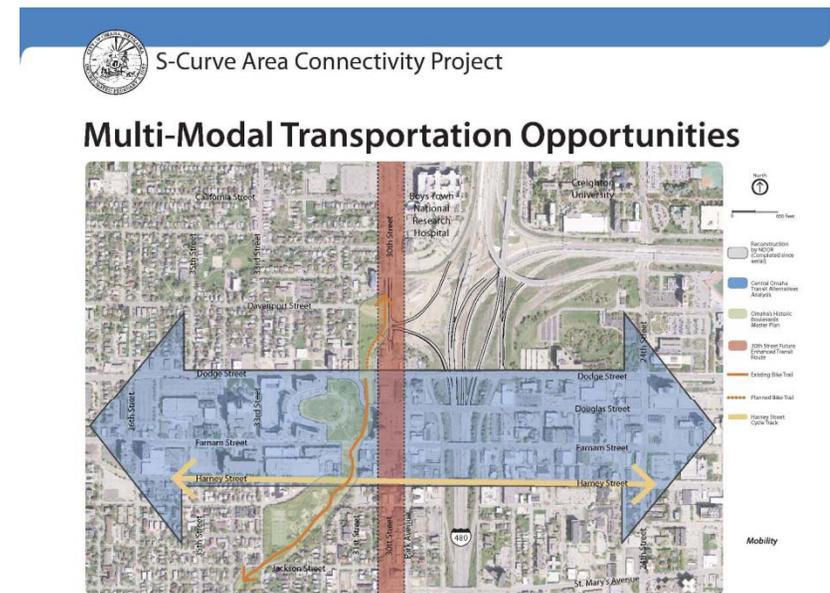
What is the purpose for the AA study?

- Connect major activity centers
- Provide simple, high frequency service
- Support growth and revitalization
- Balance parking availability and capacity
- Improve transit circulation for special events
- Maximize transit access to the highest employment corridor
- Provide enhanced transit stop and service amenities
- Continue to meet sustainability goals/measure in adopted plans



Project Coordination

- Related Projects/Studies
 - Metro Downtown Transit Center
 - MAPA/Metro Regional Transit Vision
 - Dodge Street S-Curve Study
 - Riverfront Trail
 - Harney Street Bicycle Facility



Cycletrack



Transit Alternatives

No Build Alternative	
<ul style="list-style-type: none"> No action scenario Includes existing and programmed transit network 	
Build Alternatives	
<p>Alignments</p> <ul style="list-style-type: none"> Segment A (Downtown) Segment B (Midtown – UNMC) Segment C (UNMC – Crossroads) Segment D (Crossroads – Aksarben) Segment E (UNMC – Aksarben) 	<p>Technologies</p> <ul style="list-style-type: none"> Enhanced Bus Bus Rapid Transit Modern Streetcar

Enhanced Bus

- Improvements to existing Metro bus service
- Operates in mixed traffic
- Low floor 40 ft buses
- Bikes on front of bus (3 max)
- Improved frequency and span of service
- Minor capital improvements
- 40-60 passengers per bus



Bus Rapid Transit

- Advanced bus service
- Operates in mixed traffic and/or dedicated lanes
- Low floor 40-60ft buses
- Bikes on front of bus (3 max)
- Preferential treatments (queue jumps, traffic signal priority)
- Specially branded service
- 40-90 passengers per bus

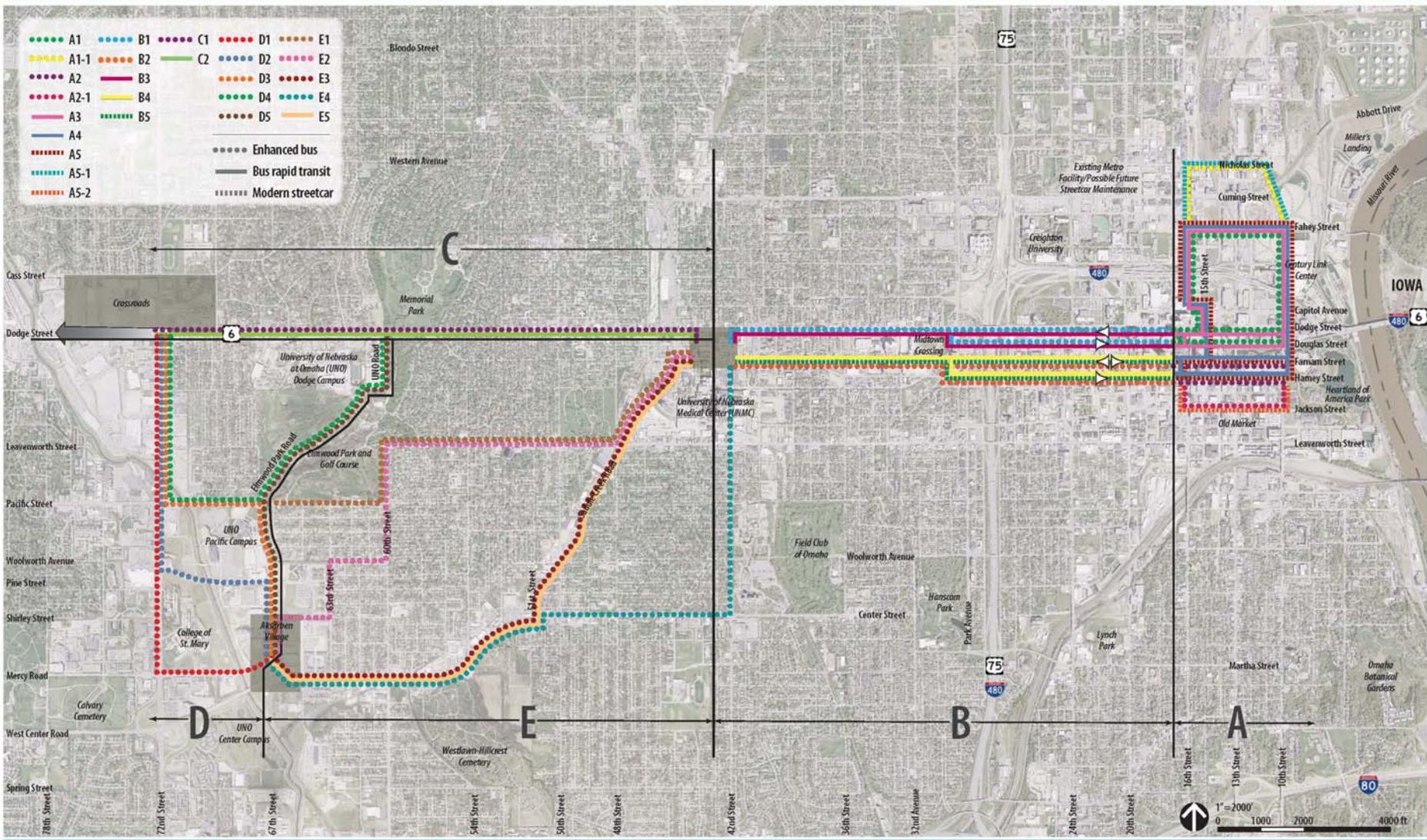


Modern Streetcar

- Electric rail service on tracks
- Operates in mixed traffic and/or dedicated lanes
- Low floor 65ft streetcars
- Bicycles on board (4-6 max)
- Preferential treatments (queue jumps, traffic signal priority)
- 130-160 passengers per streetcar



Transit Alternatives



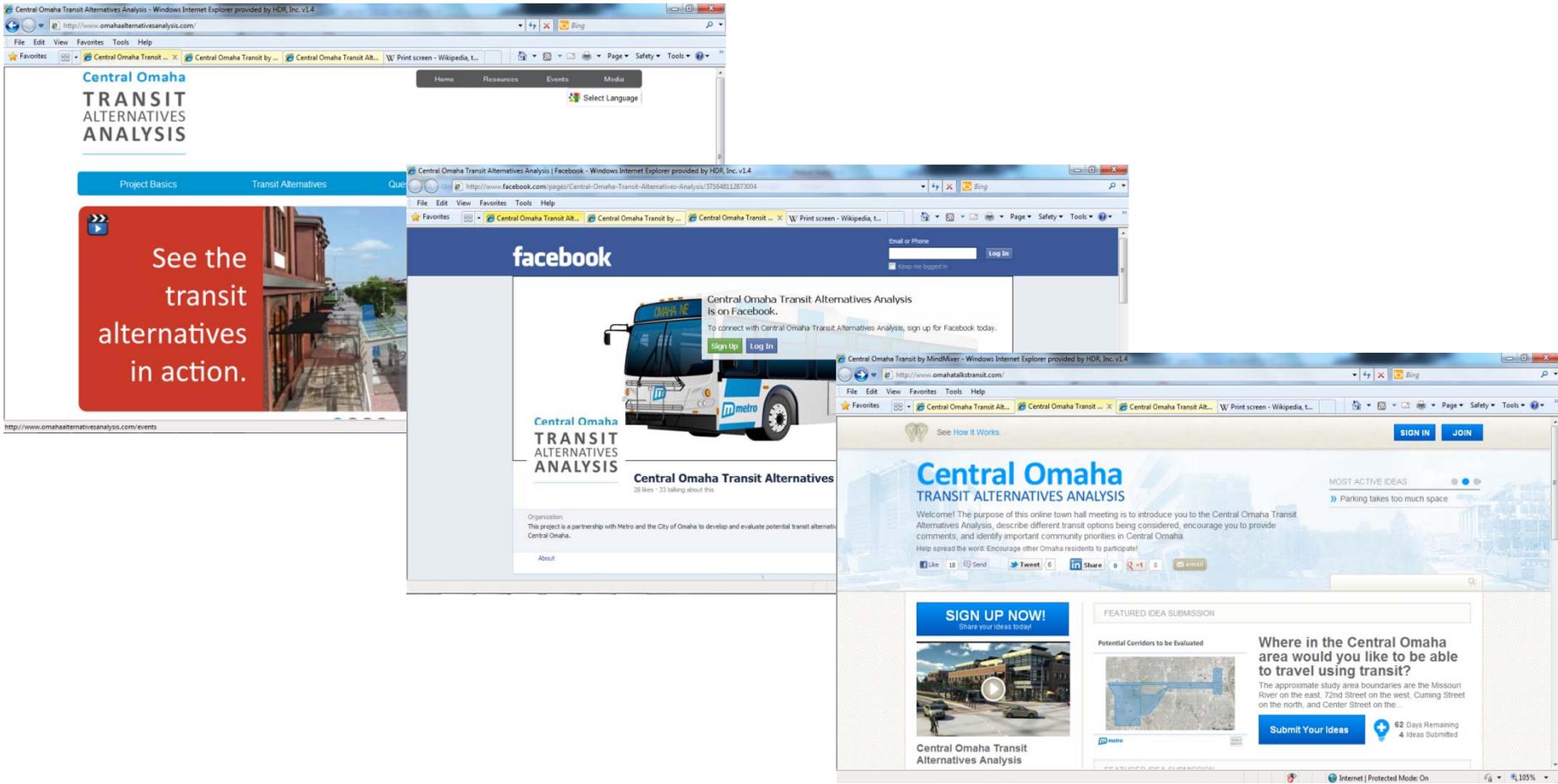
Public Participation



Public Participation



On-Line Public Participation Tools



Central Omaha Transit Alternatives Analysis

INFOGRAPHIC Top "Seconded" Ideas and Overall Topic Ideas

This project launched on May 20th. Here we take a look at the most popular ideas overall and the number of ideas in each of the six topics.

7
TOPICS

114
IDEAS



 <p>OMAHA'S VIBRANT CENTRAL CORE Mass transit needs to run later at night</p>	<p>21 SECONDS</p>	 <p>POTENTIAL CORRIDORS TO BE EVALUATED non-cash fares and day/week/month pass</p>	<p>18 SECONDS</p>	 <p>POTENTIAL CORRIDORS TO BE EVALUATED Connect Dundee and Benson with a bus route</p>	<p>15 SECONDS</p>
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★ = 1 Idea Compiled and designed by MindMixer: 01/22/13

Central Omaha Transit Alternatives Analysis

INFOGRAPHIC Initial Transit Evaluation Criteria

This Instant Poll topic was active from September 14 to January 30, 2013. Here we take a look at the poll results for 15 items.



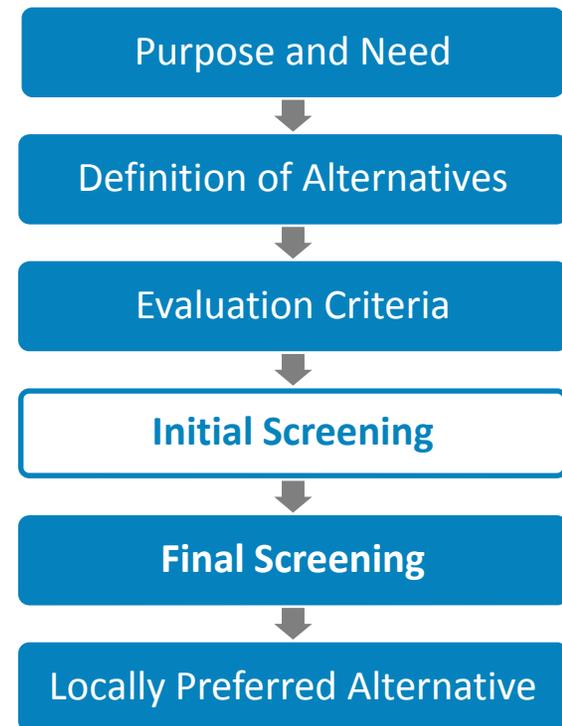
What are the most important criteria to consider when selecting transit options for Central Omaha?

Ridership Potential	13
Capital Costs	0
Operating & Maintenance Costs	1
Carrying Capacity	2
Destinations	11
Fatal Flaws	0
Integration with Existing Bus Service	6
Expandability	6
Traffic	1
Local/Regional Plans and Guidelines	4
Land Use and Density	11
Urban Design	9
Economic Development Potential	11
Community Support	1
Passenger Benefits	4

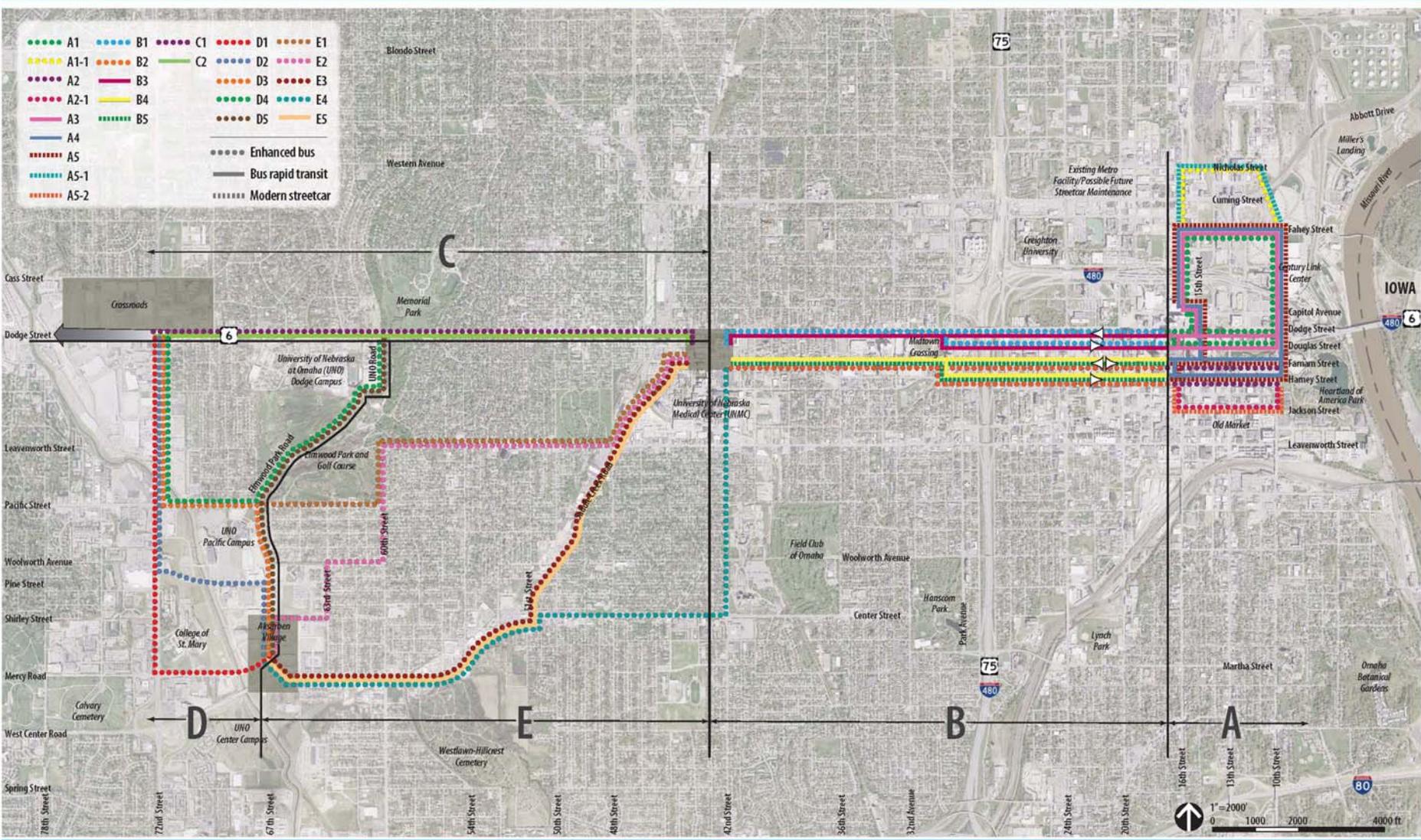
Initial Screening

- Evaluation Criteria

- Mobility
- Ridership potential
- Capital costs
- Operation & maintenance costs
- Points of origin
- Destinations
- Fatal flaw
- Transit system integration
- Expandability
- Traffic
- Transportation plans and policy
- Land use / density
- Urban design
- Economic development
- Community support
- Passenger benefits
- Safety
- Access
- System identification
- Funding sources
- Social equity



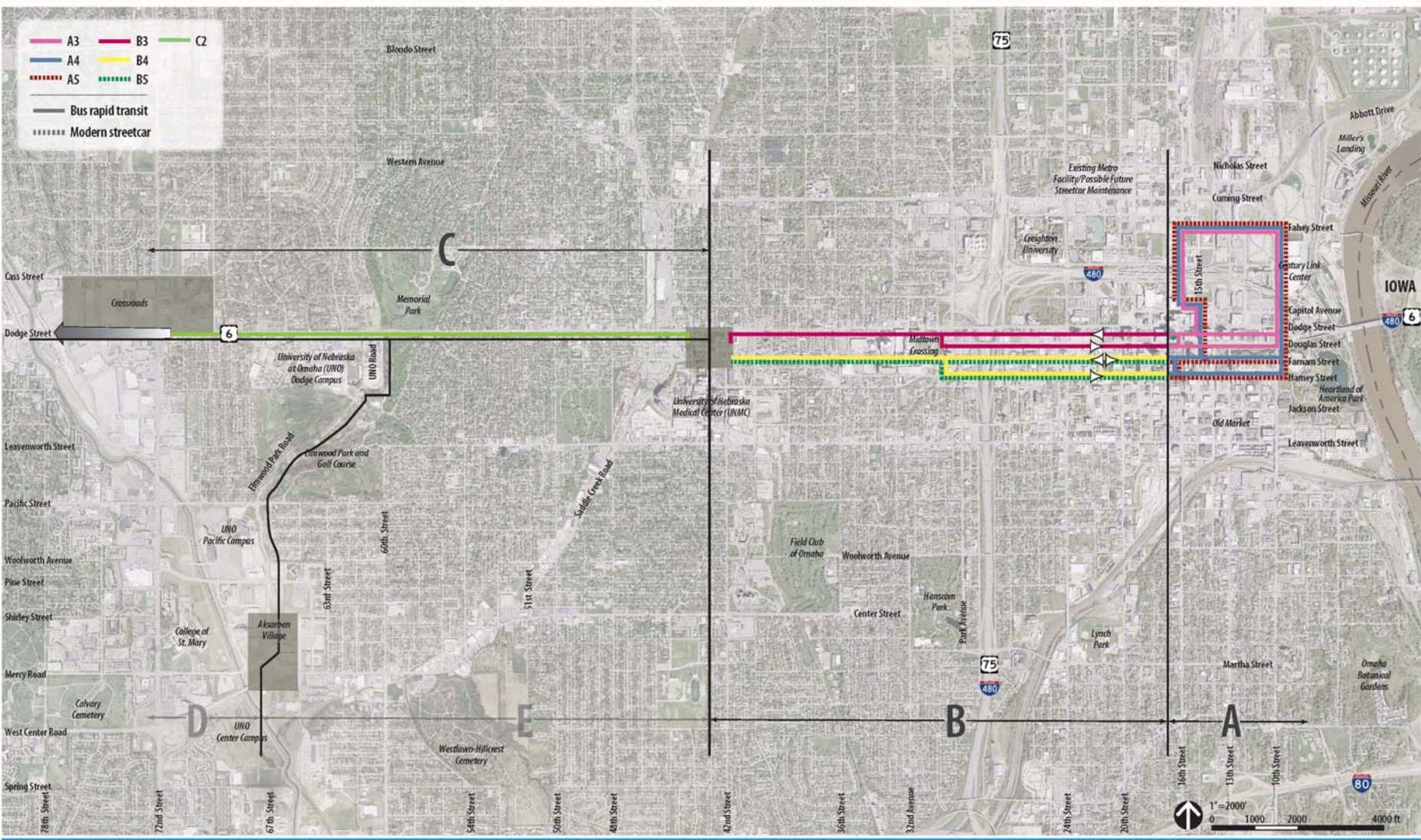
Transit Alternatives



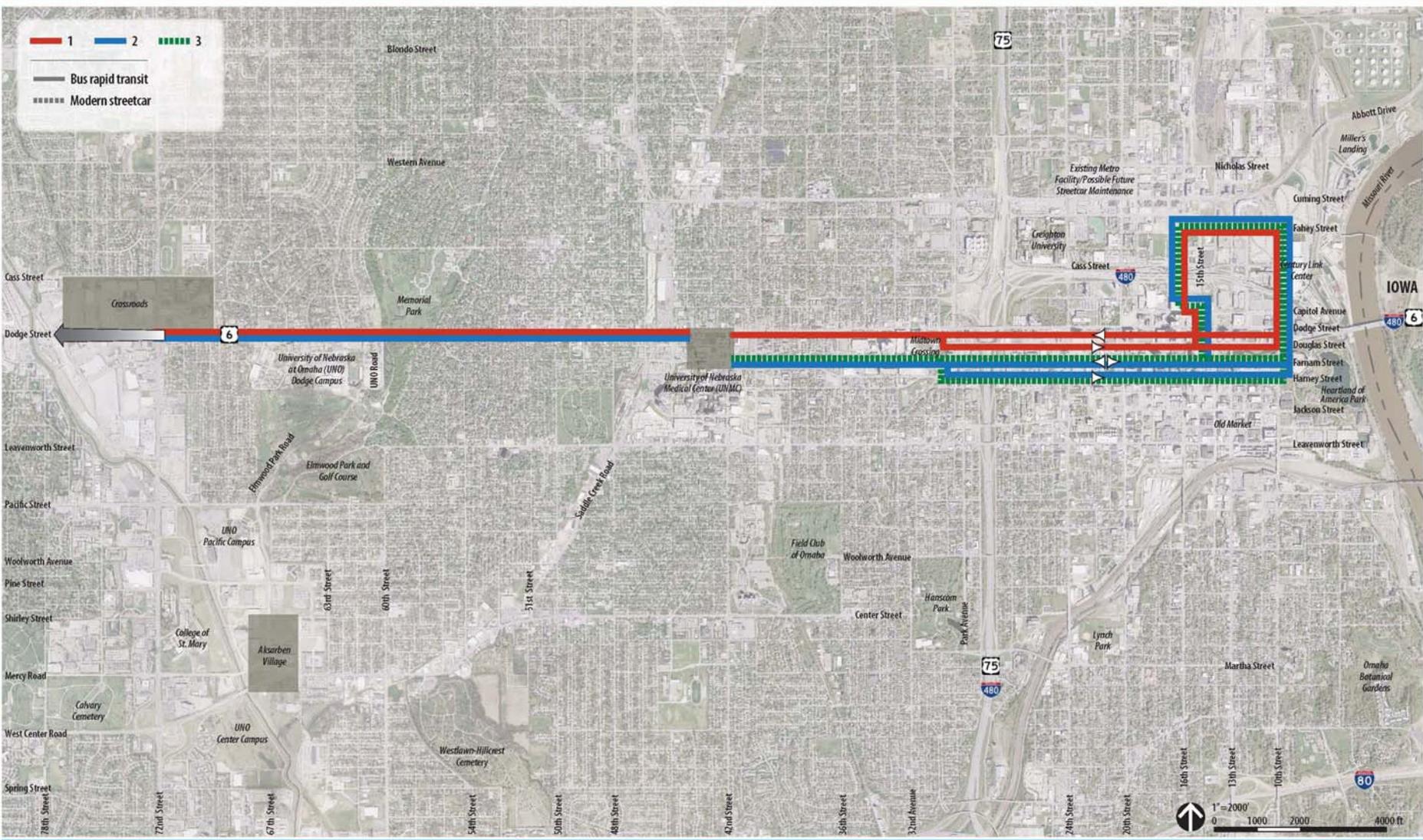
Why Did These Alternatives Advance?

- Simplified transit routing
- Most operational flexibility
- Balances local and regional transit needs
- Best connection through Downtown core
- Best connection to North Downtown and special events
- Integrates well with Metro bus network
- Serves future Downtown Transit Center

Transit Alternatives – Initial Screening Results (by Segment)

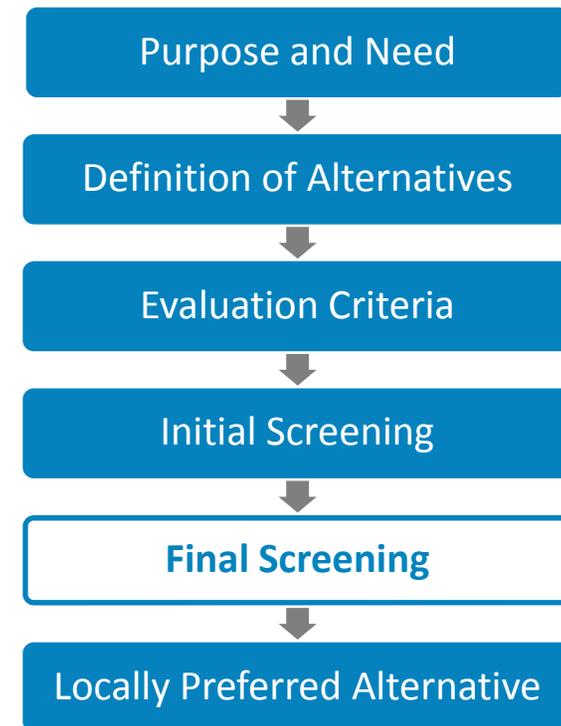


Transit Alternatives – Initial Screening Results (3 Alternatives)



Next Steps

- Begin Final Screening
 - Refine 3 transit alternatives
 - Determine “future existing conditions”
 - Complete technical analysis of remaining alternatives



Final Screening

- Evaluation Criteria

- Mobility
- Ridership
- Capital costs
- Operating & maintenance costs
- Cost per user
- Origins/destinations
- Service characteristics
- Physical constraints
- Environmental issues
- Land use and urban design
- Safety
- Economic development
- Funding sources
- Community support

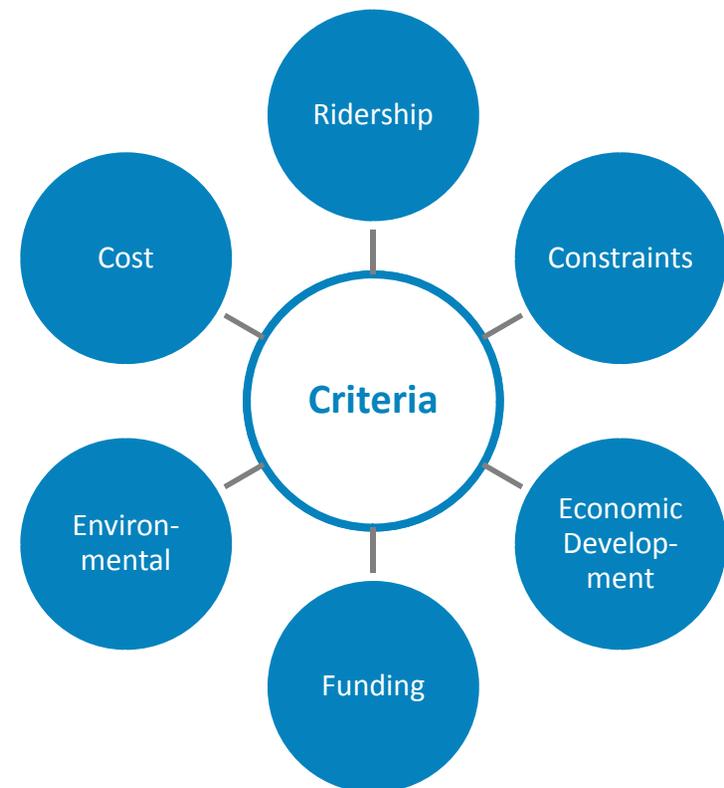


Table Discussion