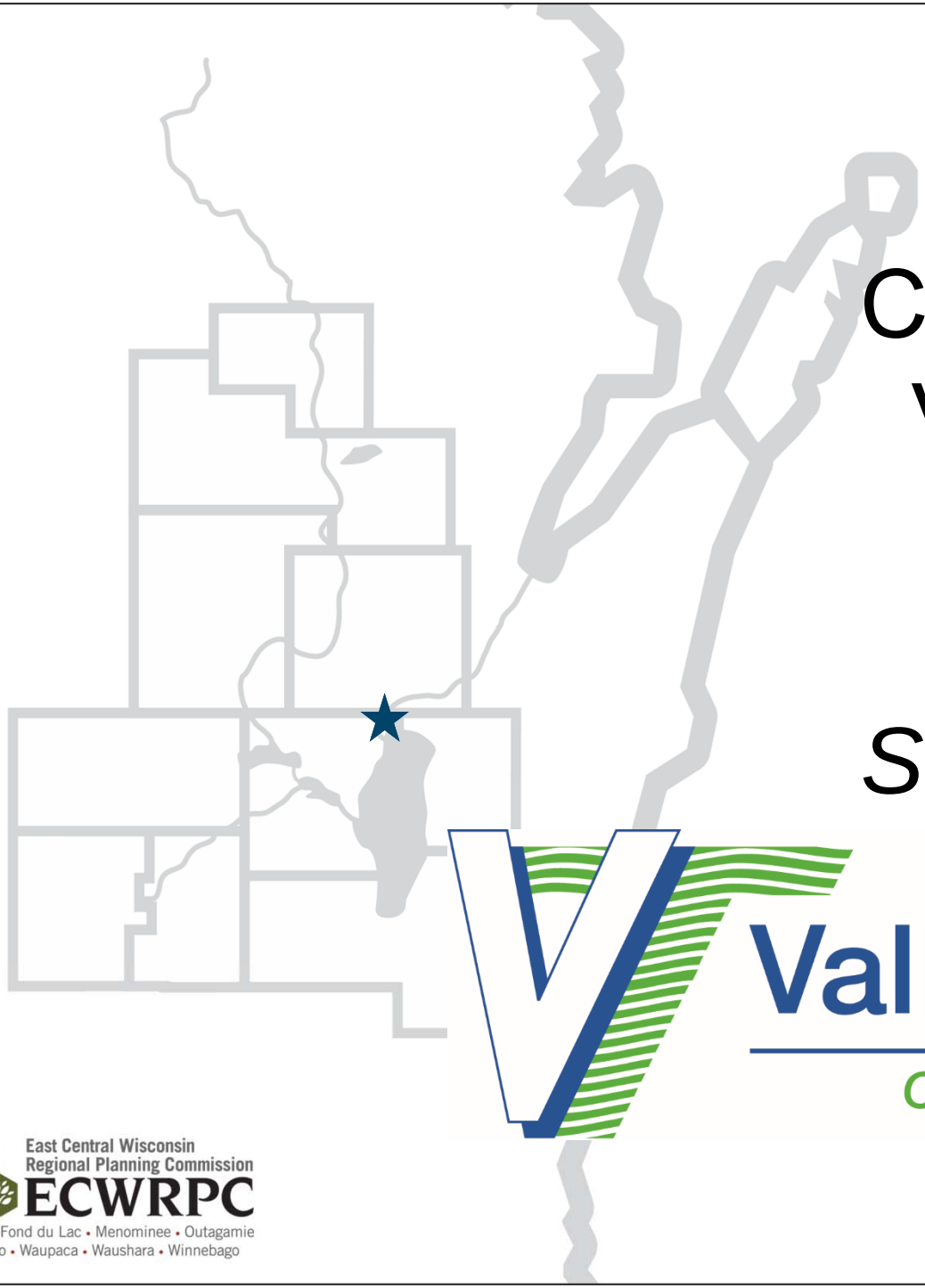


City of Appleton
Valley Transit

TDP Update
SRF Consulting

Valley Transit

Connecting the Fox Cities

East Central Wisconsin
Regional Planning Commission
ECWRPC
Calumet • Fond du Lac • Menominee • Outagamie
Shawano • Waupaca • Waushara • Winnebago

Service Planning

Inputs

- Focused discussions
- Community insights and preferences
- Field observations
- Route performance data
- Demographic and employment data
- Community trends
- Frequency
- Span of service
- Capital impacts

Design Elements and Considerations

- Frequency
- Span of service
  - Time of day
  - Days of week
- Coverage
- Major generators
- Reliability
- Travel time
- Transfers between routes/services
- Operations and capital impacts
  - Operators and dispatch staff
  - Vehicles
  - Customer facilities

Service Planning

Outputs: Service plan outline

- Analyzing base conditions
- Modifying existing and developing new routes and services
- Route lines/service areas
- Schedule parameters: Frequency and span
- Estimated operating statistics
  - Trip running time
  - Revenue hours
  - Revenue miles
  - Operating cost estimates
  - Fleet needs
- Estimated ridership and performance impacts

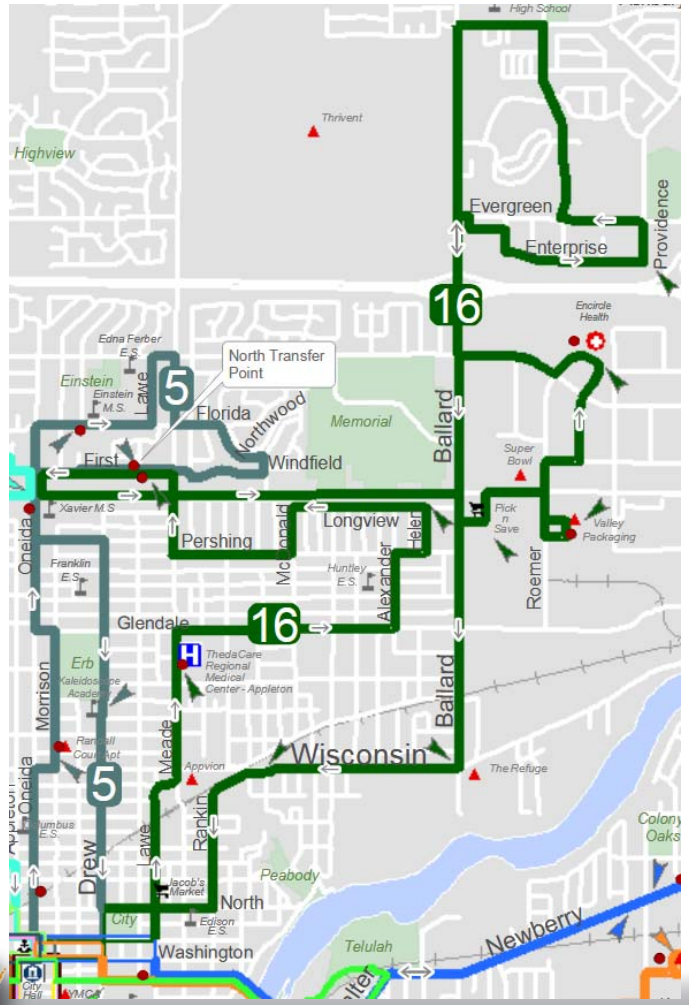
Service Planning

Focus Areas

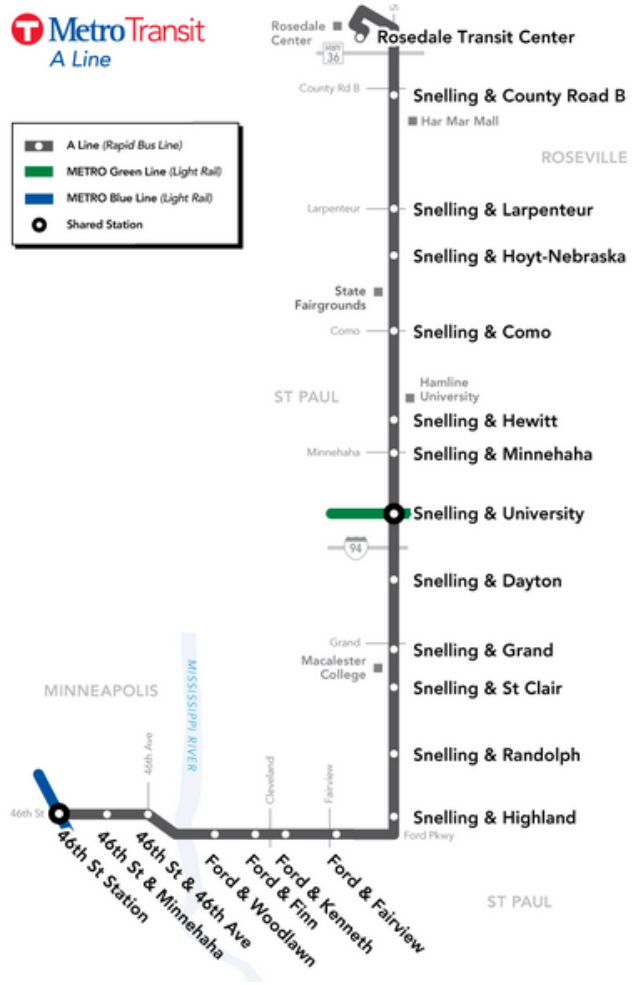
- What is the appropriate mode?
  - Fixed routes
  - Deviated fixed ("flex") routes and zone-based service
- Efficiently allocating resources when/where needed
  - "Tripper" service designed to meet employment and other time-sensitive trips
  - Design based on observed demand throughout the day
- Convenience: Frequency
  - Target: 30-minute
  - High-frequency network: < 30-minute
  - Responsive to demand throughout the day
- Convenience: Travel time
  - Reducing on-vehicle time between known major origins and destinations

Service Planning: Trade Offs

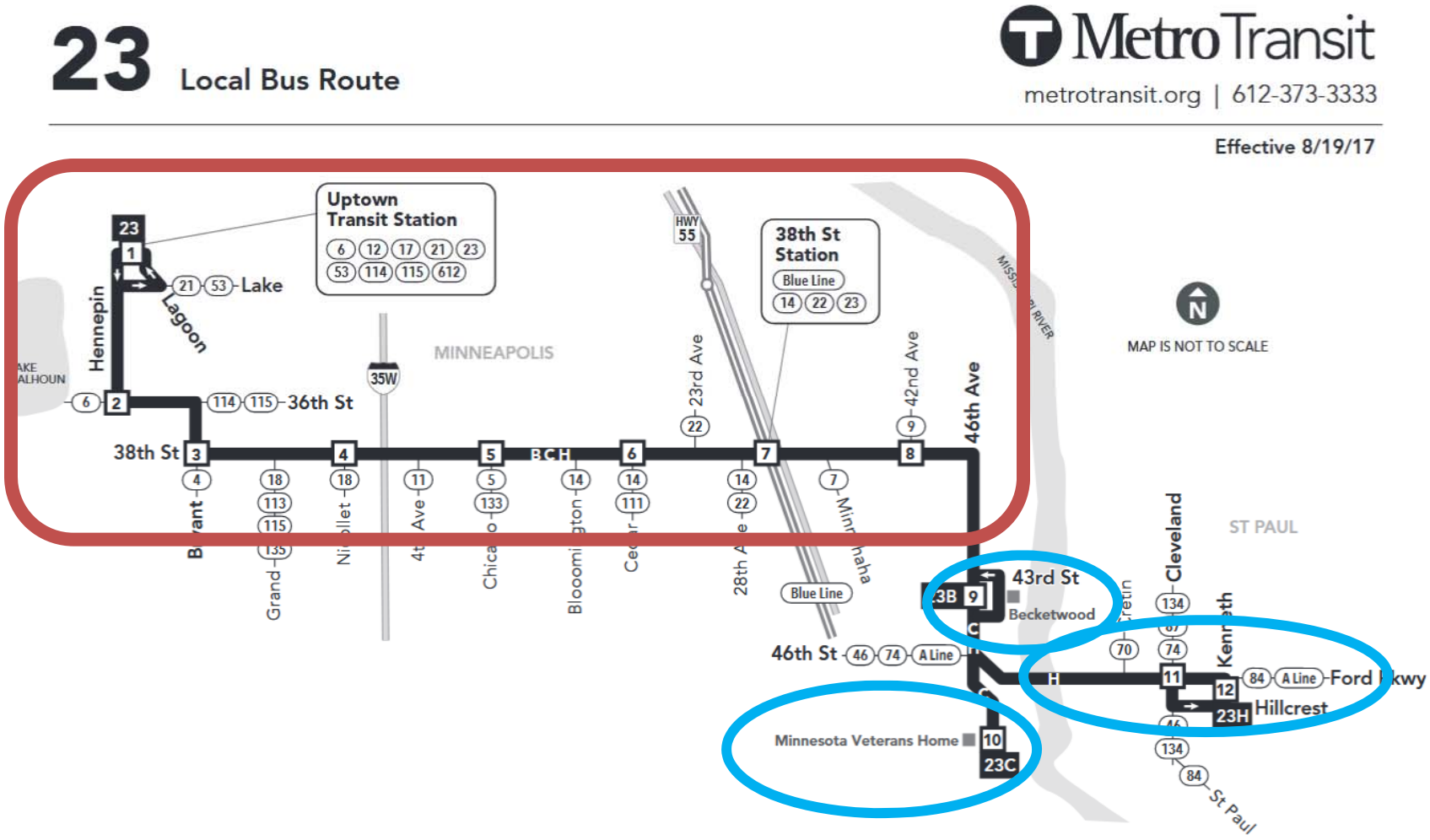
“Nearness” or “Coverage”



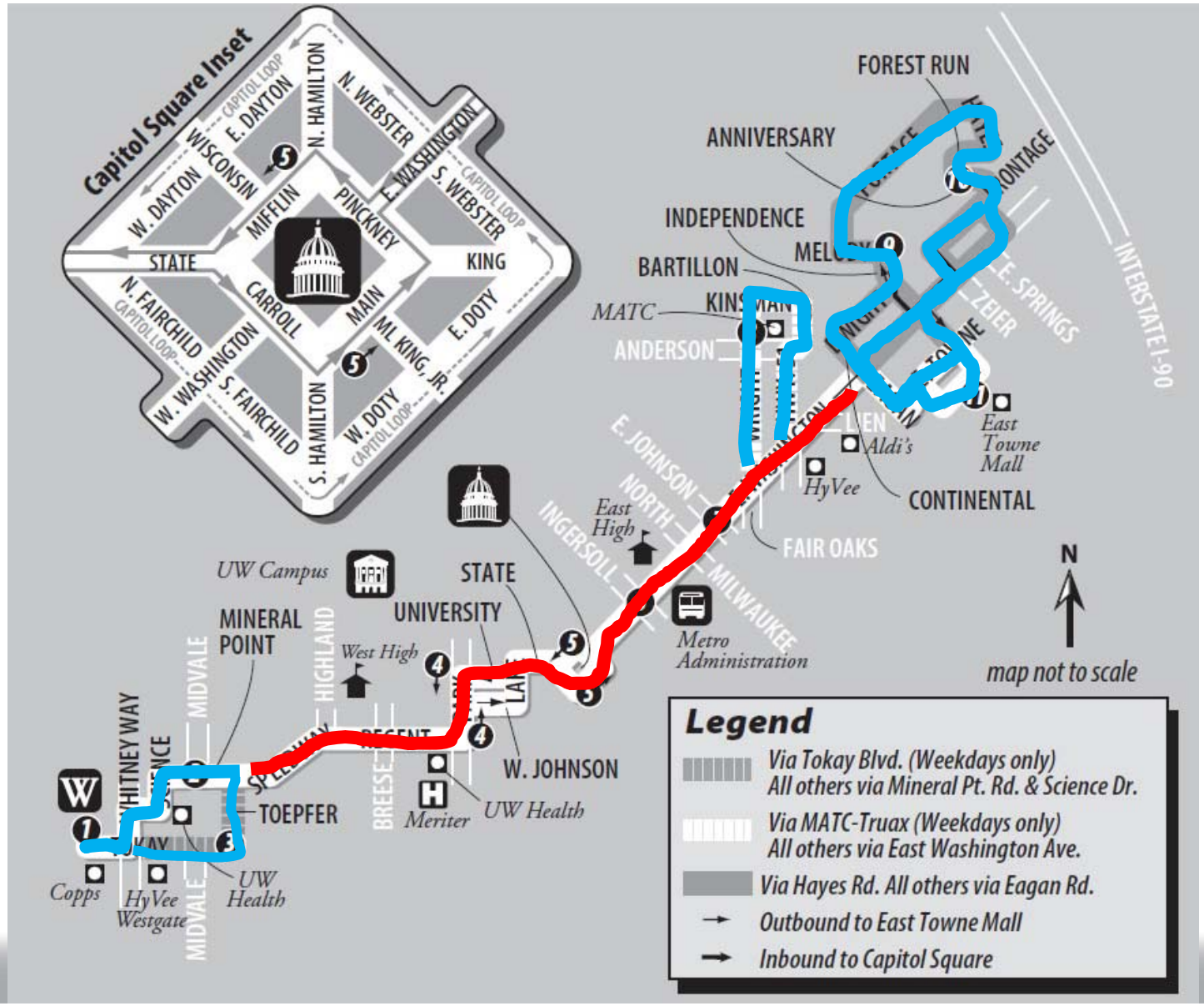
“Directness”



Service Planning: Route Branching, Short Turns

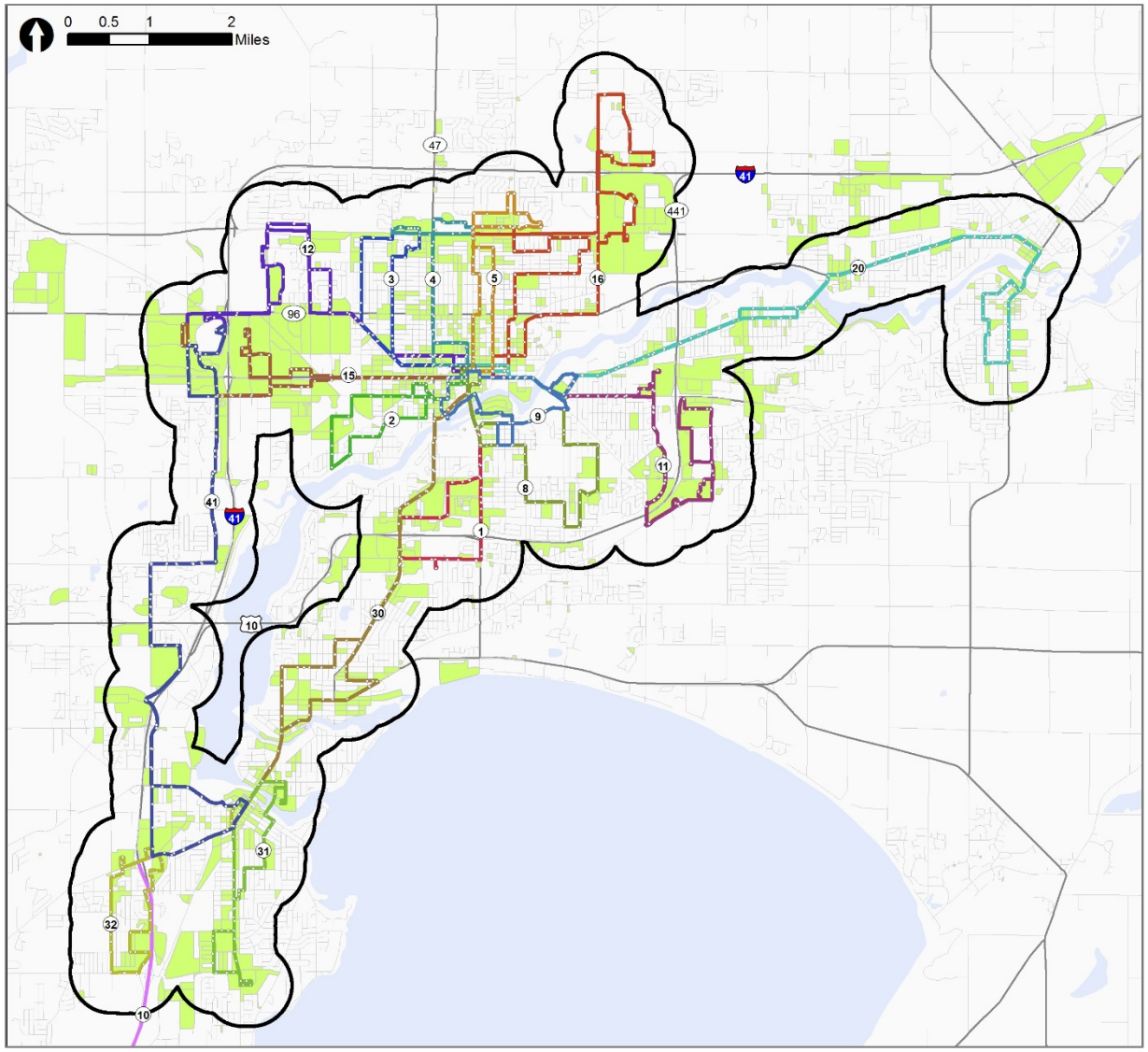


Service Planning: Route Branching, Short Turns



East Central Wisconsin Regional Planning Commission ECWRPC

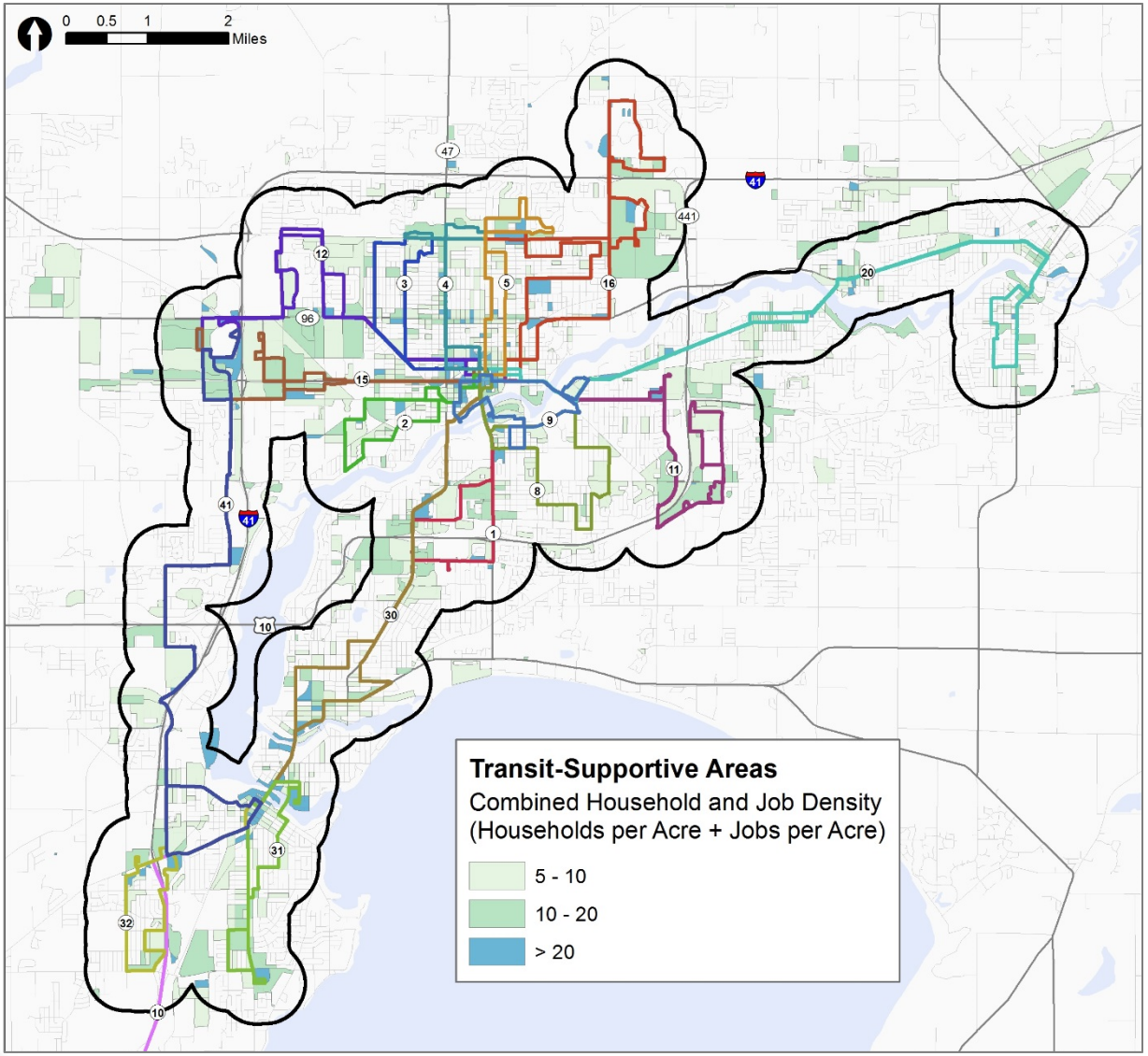
Service Planning



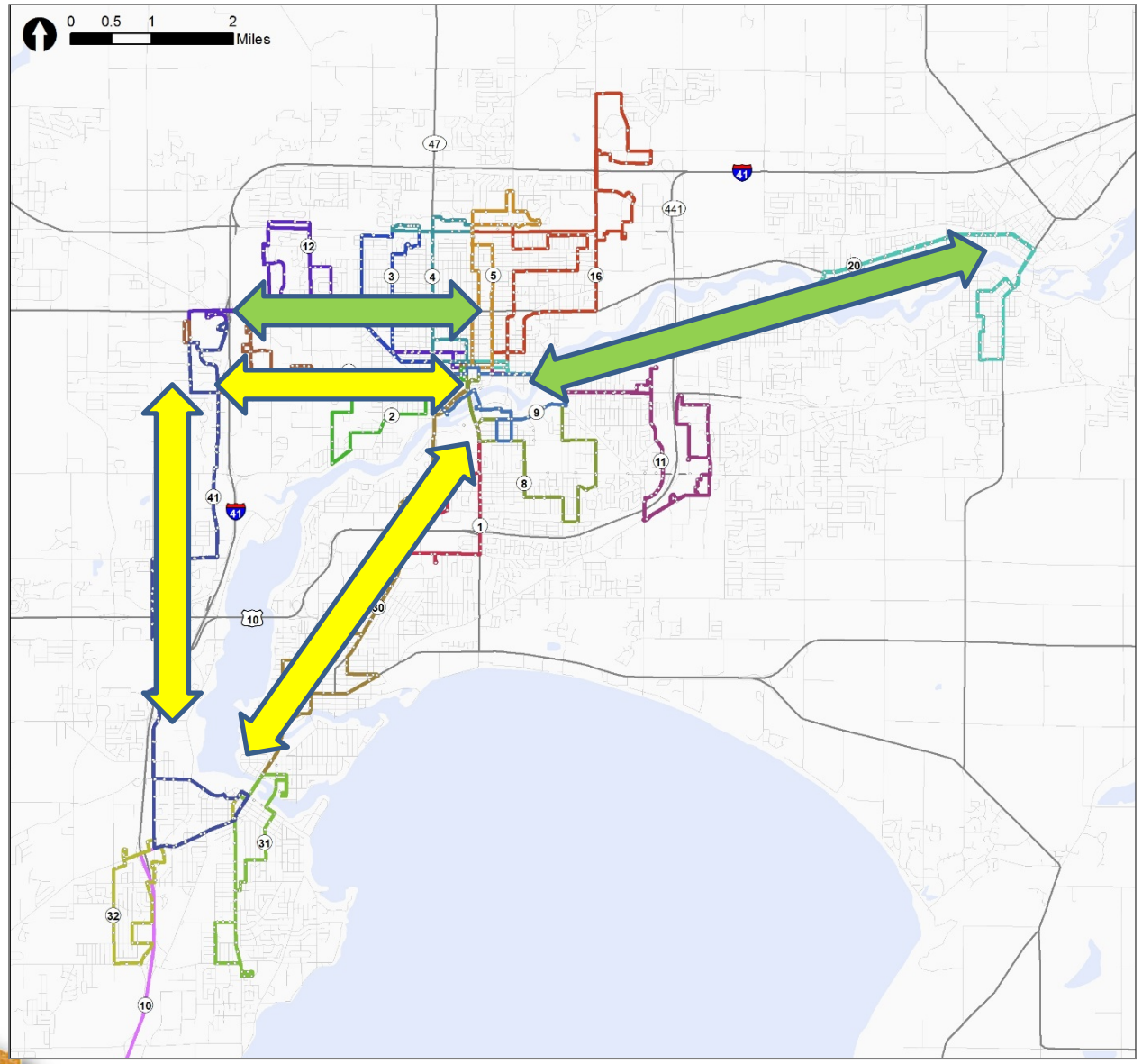
Transit Supportive Areas:

Population and employment density that can support fixed-route transit

Service Planning



Activity Centers/Transit Trip Generators:

-Downtown Appleton
-Downtown Neenah
-Fox River Mall
-Wisconsin Avenue
-Neenah/Menasha
-Little Chute
-Medical Centers
-College Avenue

Service Planning: High Frequency/Trunk System