City of Appleton
Valley Transit

TDP Update
SRF Consulting
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

Metro Transit
metrotransit.org | 612-373-3333
Effective 8/19/17

23 Local Bus Route

Uptown Transit Station
- 6 12 17 21 23
- 53 110 115 612

38th St Station
- Blue Line
- 10 22 23

MAP IS NOT TO SCALE

MINNEAPOLIS

ST PAUL

46th St
- Becketwood
- Ford

Minnesota Veterans Home
- 10 23C

ECWRPC
Service Planning: Route Branching, Short Turns
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