System Redesign Update

OKI

February 11, 2020
Context reminder before we start...

- TANK at a crossroads
  - Peak-hour, peak-direction commuter service structure
  - Ridership decline since 2013 (-9.7%)
  - Growing region with evolving transportation needs
  - Critical funding decisions in 2020

- Where do we go from here?
Context reminder before we begin...

Ridership 2012 - 2017

TANK: -9%
Peer Average: -14%
Chatt: -15%
Charlotte: -15%
Rich VA: -15%
Knox: -16%
Lex: -16%
Akron: -7%
Nashville: -1%
Canton: -10%
Cincin: -18%
Louisville: -25%
Toledo: -19%
Key Study Goals

• Reduce cost per rider / county subsidy per rider
• Financial / ridership projections more sustainable
• Improve transit travel time to jobs / access to jobs
Proposed Route Modifications

• Basis for Recommendations
  • Technical analysis
  • Field review
  • Input
    • Public
    • Stakeholders
    • Operators
    • Staff
  • Transit planning precepts
  • Professional judgment

• No Preconceived Notions
Transit Planning Concepts

Core Frequency

| A | B | C | D | E | F |

Area Coverage
New Service Types

• **Frequent Routes → TANK Frequent Service**
  • High frequency linehaul services

• **Coverage Urban → TANK Neighborhood Service**
  • Major lifeline routes for community circulation

• **Reverse Commute → TANK Jobs Express**
  • Scheduled around shift changes
  • Provides evening Park-and-Ride service

• **Park-and-Ride Service → TANK Commute Express**
  • Serves Park-and-Rides and inbound/outbound commuters
TANK Frequent Service
TANK Neighborhood Service
TANK Jobs Express
TANK Commute Express
Proposed 2020 Redesign Network
Existing Transit Network
Operating Characteristic Changes

- Operating Characteristic Changes Include:
  - Span of service
  - Frequency
  - Days of service
Existing Weekday Span/Frequency

- 0 – 15 minutes
- 16 – 20 minutes
- 21 – 30 minutes
- > 60 minutes
- 31 – 60 minutes

TANK Routes

0 – 15 minutes
16 – 20 minutes
21 – 30 minutes
31 – 60 minutes
> 60 minutes

TANK Routes
Proposed Weekday Span/Frequency

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<th>AM</th>
<th>4</th>
<th>5</th>
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#: New local route - Healthline
###: New express route – 42X Boone/Florence Express
### Transit Planning Concepts

#### Core Frequency

<table>
<thead>
<tr>
<th>Area Coverage</th>
<th>Total All Service</th>
<th>2020 Redesign Service Hours</th>
<th>Existing Service Hours</th>
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<tbody>
<tr>
<td></td>
<td>191,303</td>
<td>203,125</td>
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<tr>
<td>Frequent Service - Revenue Hours</td>
<td>130,978</td>
<td>57,975</td>
<td>69%</td>
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<td>Coverage Service - Revenue Hours</td>
<td>57,630</td>
<td>145,150</td>
<td>31%</td>
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## Socioeconomic Impacts within ¼-mile of Service

<table>
<thead>
<tr>
<th>Comparison</th>
<th>Area (square miles)</th>
<th>Population</th>
<th>Employment</th>
<th>Transportation Disadvantaged</th>
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<tbody>
<tr>
<td>Existing Network (30-minute frequency or better)</td>
<td>6</td>
<td>19,908</td>
<td>66,740</td>
<td>5,744</td>
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<tr>
<td>Proposed Network (30-minute or better frequency)</td>
<td>19</td>
<td>50,838</td>
<td>105,816</td>
<td>14,807</td>
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<tr>
<td>Change</td>
<td>216.7%</td>
<td>155.4%</td>
<td>58.5%</td>
<td>157.8%</td>
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Future Vision for TANK Network
Public Input

- WVXU
- WCPO, Ch. 9
- WLWT, Ch. 5
- WKRC, Ch. 12
- WXIX, Ch. 19
- River City News
- NKY Tribune
- Campbell Media

- Over 5,000 flyers distributed
- Email blast
- Text alert
- Social Media
- Engagement of 60+ groups
- 12+ speaking engagements
- 100+ people at public mtg
- 500+ comments received
Next Steps

- Complete second phase of stakeholder & public engagement (Jan)
- **Make adjustments to final plan (Feb)**
- Present plan for adoption (Feb/Mar)
- Incorporate into FY21/FY22 budget projections (Mar)
- Create implementation plan (Apr)
- New System in Operation (Fall 2020)
Questions?

Transit Authority of Northern Kentucky

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