GTA Planning Update

DRAFT

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March 28, 2023

GREENSBORO
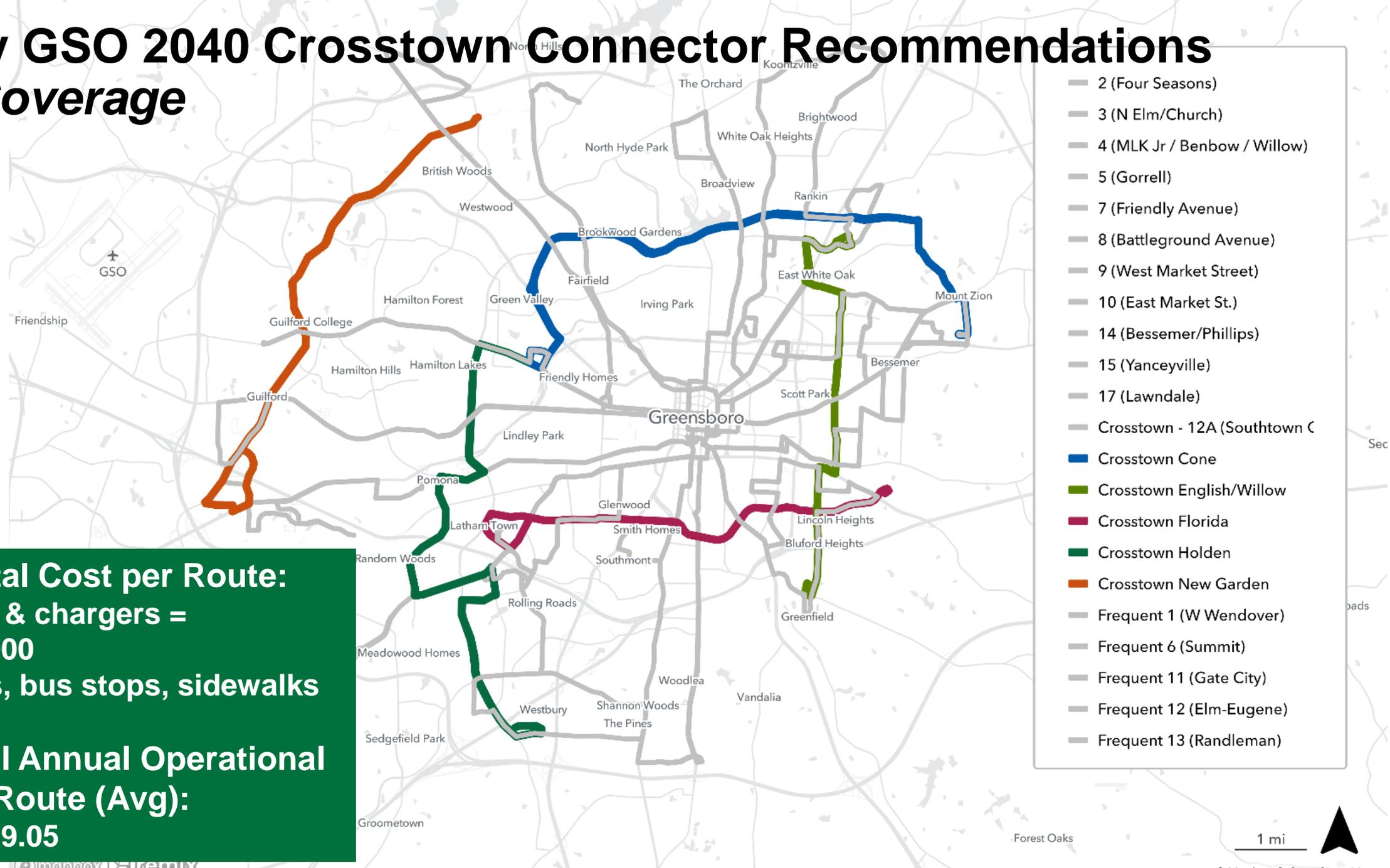
Overview

- **Projects:**

  - Mobility Greensboro 2040 Vision & Recommendations

    - Change in Service Frequency: 15-Minute Core Network

    - Crosstown Routes

    - All-day, All-week 30-minute minimum headways

      - Route 15 (Yanceyville) 30 Minute Headways (2023)

      - System-wide 5am weekday start time (2023)

  - Downtown Trolley Pilot (Kickoff Summer 2023)

Mobility GSO 2040 Frequent Route Recommendations
Goal: *Access/Ridership*

Avg Capital Costs per Route:
- 2 buses & chargers per route = $1,660,000

Additional Annual Operational Cost per Route (Avg):
- $ 961,529.05

Legend:
- 2 (Four Seasons)
- 3 (N Elm/Church)
- 4 MLK Jr / Benbow / Willow
- 5 (Gorrell)
- 7 (Friendly)
- 8 Battleground Avenue
- 9 West Market Street
- 10 East Market St.
- 14 (Bessemer/Phillips)
- 15 (Yanceyville)
- 17 (Lawndale)
- Crosstown - 12A (Southtown C
- Frequent 1 (W Wendover)
- Frequent 6 (Summit)
- Frequent 11 (Gate City)
- Frequent 12 (Elm-Eugene)
- Frequent 13 (Randleman)

1 mi

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Mobility GSO 2040 Crosstown Connector Recommendations
Goal: *Coverage*

Legend:
- 2 (Four Seasons)
- 3 (N Elm/Church)
- 4 (MLK Jr / Benbow / Willow)
- 5 (Gorrell)
- 7 (Friendly Avenue)
- 8 (Battleground Avenue)
- 9 (West Market Street)
- 10 (East Market St.)
- 14 (Bessemer/Phillips)
- 15 (Yanceyville)
- 17 (Lawndale)
- Crosstown - 12A (Southtown C
- Crosstown Cone
- Crosstown English/Willow
- Crosstown Florida
- Crosstown Holden
- Crosstown New Garden
- Frequent 1 (W Wendover)
- Frequent 6 (Summit)
- Frequent 11 (Gate City)
- Frequent 12 (Elm-Eugene)
- Frequent 13 (Randleman)

Avg Capital Cost per Route:
- 2 buses & chargers = $1,660,000
- Shelters, bus stops, sidewalks = $??

Additional Annual Operational Cost per Route (Avg):
- $ 961,529.05

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1 mi

Mobility GSO 2040 Recommendation: Route 15 (Yanceyville) 30 Minute Headways
Goal: *All-Day, All-Week 30 Minute Minimum Headways*

- July 1, 2023 GTA will reduce Route 15 weekday headways from 1 hour to 30 mins

- Route 15 has strong ridership demand & provides access to major destinations

- Recommended by GTA Advisory Committee and GTA riders

- Considered a high priority for short term implementation.

- Add CMAQ funds ($1,450,044) and local matching funds ($362,511) in FY 2024.

- Approved by TAC March 15, 2023
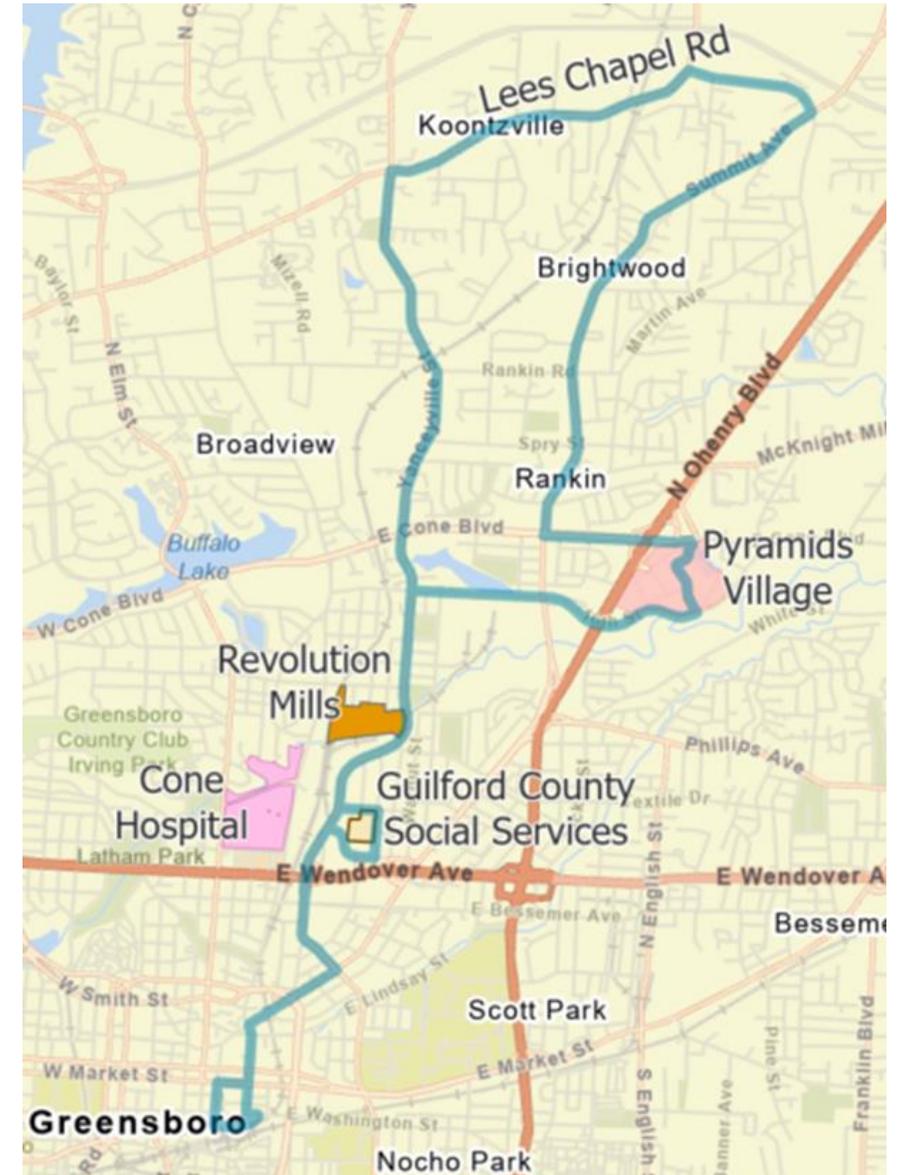
Downtown Trolley Pilot

Demonstrate possibilities for improved downtown mobility and connectivity beyond the car.

Balance
Frequency
vs
Coverage

Downtown
Parking
Alleviation

Car-Optional
City by 2040

Fare Free
Transit

Well
Connected
City

A participatory budgeting
project winner: 2,717 votes

Route Planning Update

- Four dedicated buses

- Three Options:
  1. Downtown Trolley – Frequency Design (Every 5-7 minutes)
  2. Healthcare Connector – In-Between Design (Every 7-10 minutes)
  3. Revolution Mill Connector – Coverage Design (Every 15-20 minutes)

- Clarify primary goal and target markets of service to determine the route alignment and schedule

Vehicle Update
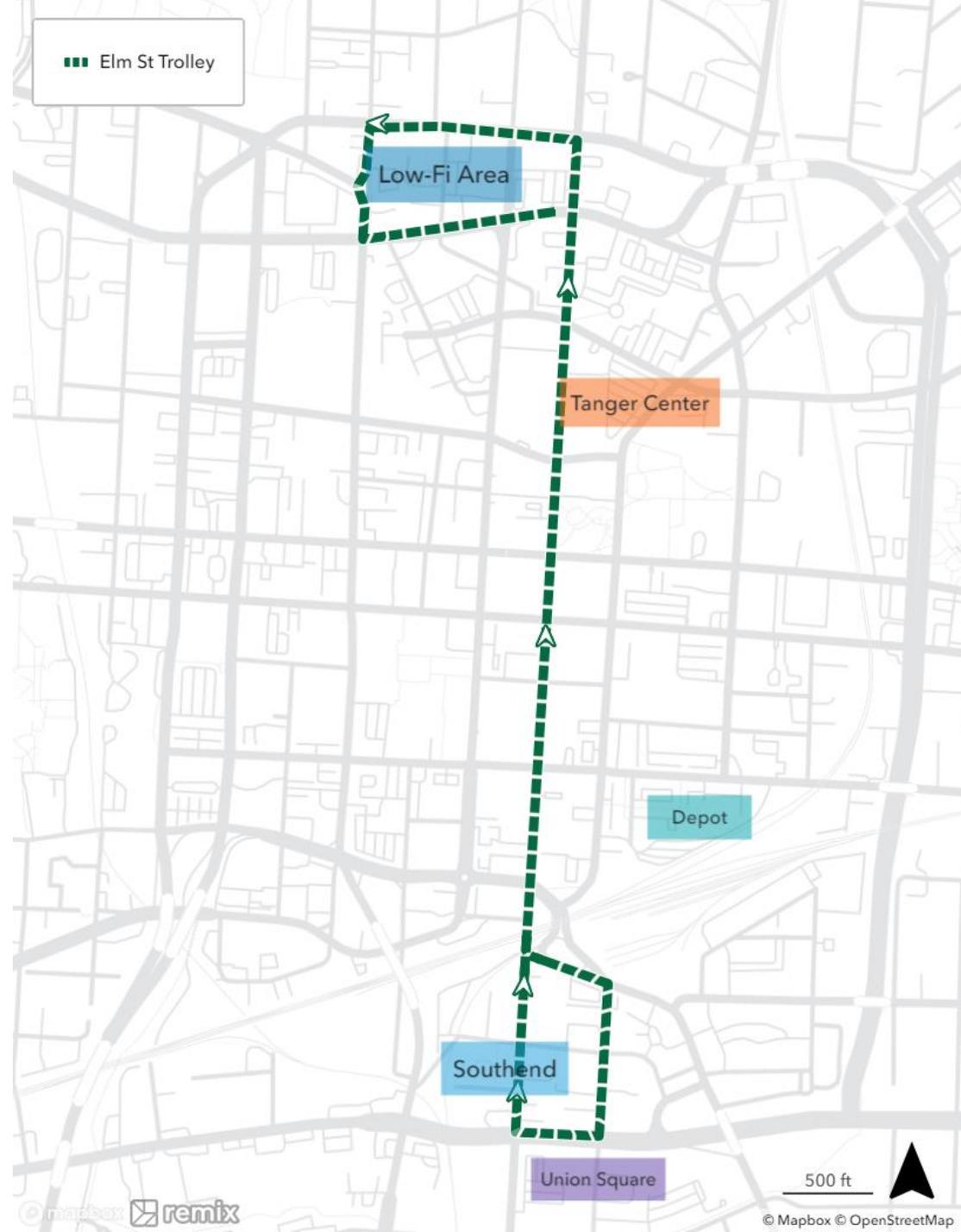
Street Closures
Downtown Streetscape Projects
2023 - 2024
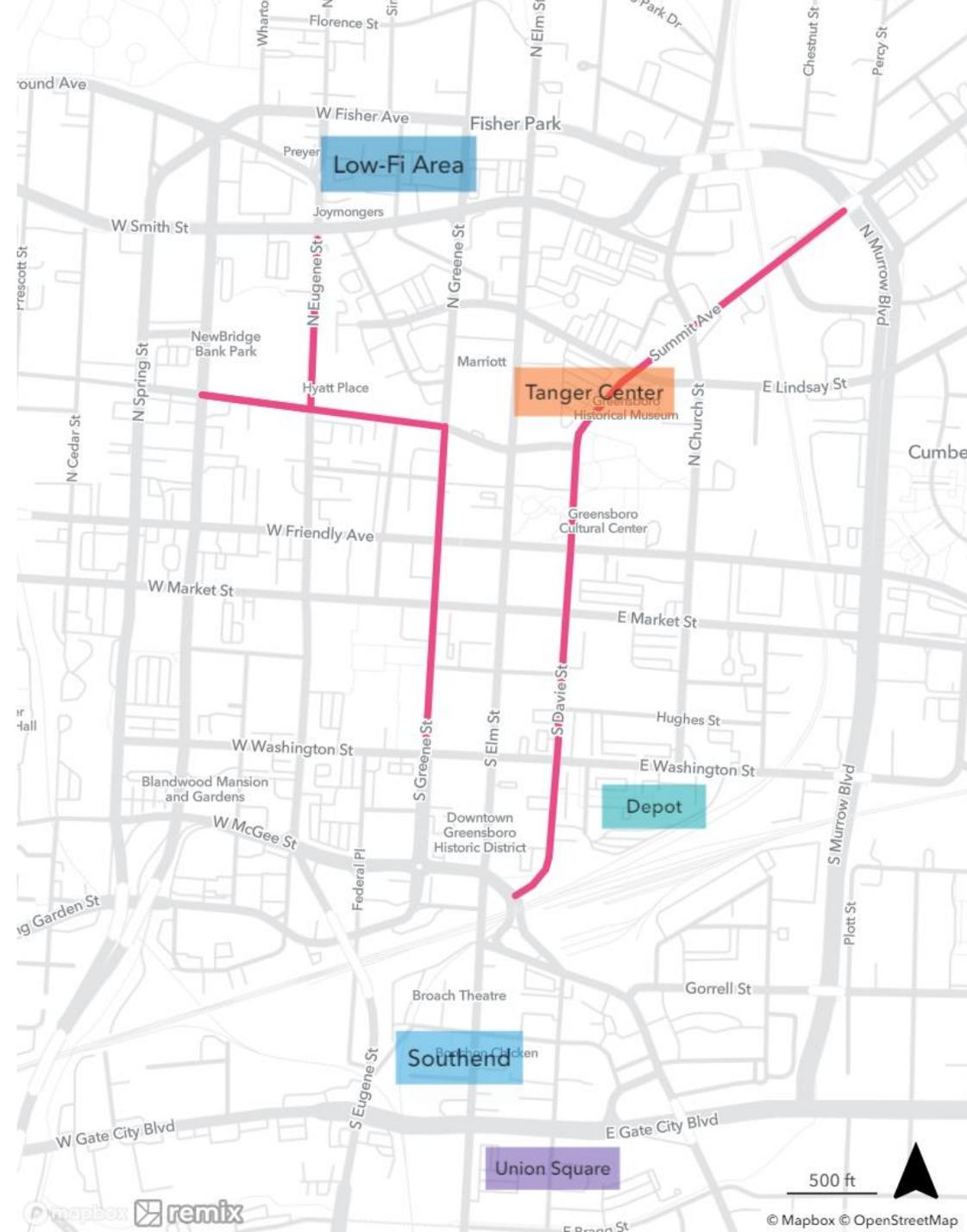
1. Downton Trolley FREQUENCY

- <u>Every 5-7 Minutes</u>
- Connect S Elm to N Elm and 'Low-Fi'
- More stops to enable access
- 2.7 mile roundtrip
- Competing with walking

- **Key Connections:**
  - S Elm
  - W Gate City/Union Square Campus
  - Downtown businesses
  - Tanger Center
  - Parking Decks

2. Healthcare Connector
COVERAGE & FREQUENCY

- Every 7-10 Minutes
- Connect S Elm to 'Healthcare District'
- More stops downtown to enable access
- 4.85 miles roundtrip
- Competing with driving

Key Connections:
- S Elm
- Downtown Businesses
- Tanger Center
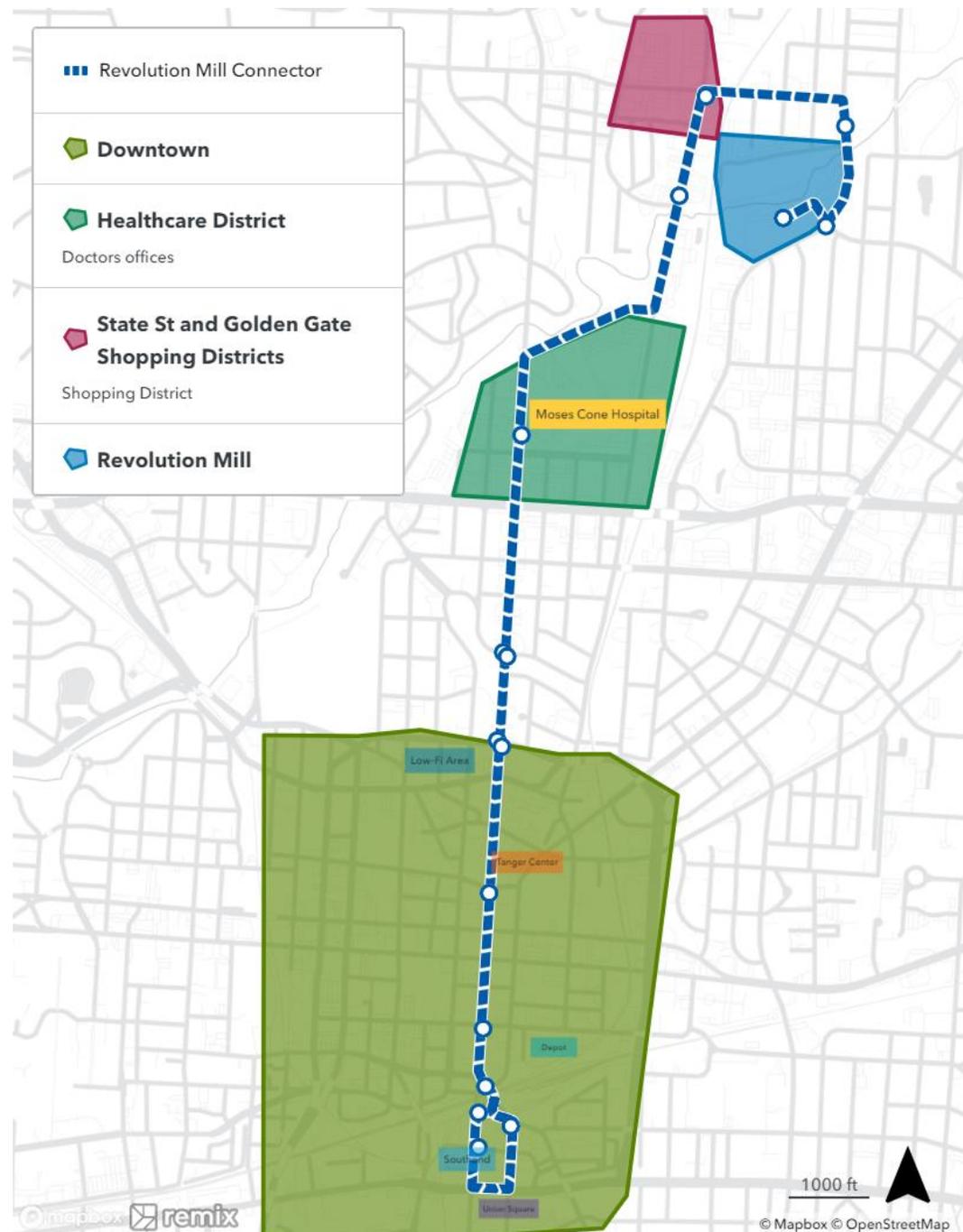- Fisher Park Neighborhood
- *Moses Cone* & other healthcare facilities

3. Revolution Mill Connector COVERAGE

Key Activity Center Connector

- Every 15-20 Minutes
- Connect S Elm to Revolution Mill
- Fewer stops required
- 7.5 miles roundtrip
- Competing with driving
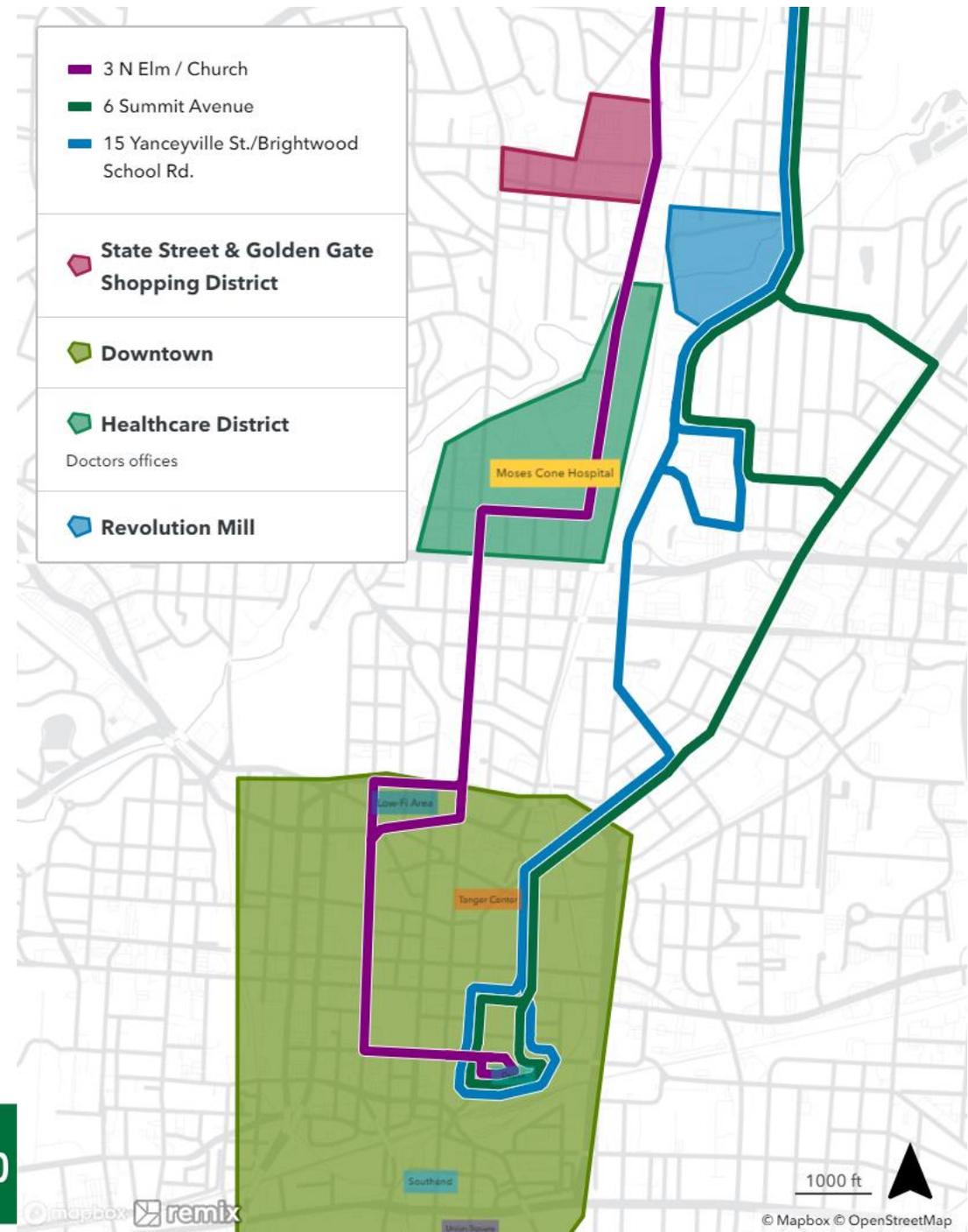- Other options are available to reach Revolution Mill with 15 minute service

Key Connections:

- S Elm
- Downtown Businesses
- Tanger Center
- Fisher Park Neighborhood
- *Moses Cone*
- *State Street*
- *Revolution Mill*

Legend:
- Revolution Mill Connector
- Downtown
- Healthcare District — Doctors offices
- State St and Golden Gate Shopping Districts — Shopping District
- Revolution Mill

Map labels: Moses Cone Hospital, Low-Fi Area, Tanger Center, Depot, Southland, Union Square

1000 ft

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Key Considerations

- Existing and future transit options serving these areas
  - Route 3 – Elm/Church St
  - Route 6 – Summit Ave
  - Route 15 – Yanceyville St

- Potential to rework existing resources to provide 15 minute service to Rev Mill and beyond

Legend:
- 3 N Elm / Church
- 6 Summit Avenue
- 15 Yanceyville St./Brightwood School Rd.
- State Street & Golden Gate Shopping District
- Downtown
- Healthcare District — Doctors offices
- Revolution Mill

1000 ft

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Feedback on Trolley Pilot Options

- Which option best meet city goals for trolley pilot?

  1. Downtown Trolley – Frequency Design (Every 5-7 minutes)
  2. Healthcare Connector – In-Between Design (Every 7-10 minutes)
  3. Revolution Mill Connector – Coverage Design (Every 15-20 minutes)

- Mobility Greensboro 2045 Plan provides opportunities to identify additional service enhancements to meet city goals

Questions?