Indian Trail Transportation Master Plan

Project Advisory Committee Meeting #2

March 20, 2024

Agenda

1 Meeting #1 Review & Updates

2 Stakeholder Interview Summary

3 TIA Review

4 Candidate Intersections

5 Screening

6 CTP and Functional Classification Review

7 Public Input #1

8 Next Steps

ITEM

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Meeting #1
Review & Updates

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Meeting #1 Review

- Schedule

- Vision Statement

- Literature Review

- Existing Conditions

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Project Schedule

Project Tasks	2023	2024									
	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Project Advisory Committee Meeting	NTP	★		★			★			★	
Existing Conditions & Needs Assessment	▓▓	▓▓	▓								
Public Outreach				R1					R2		
Identification of Corridors & Potential Improvements				▓▓	▓	▓					
Screening & Prioritization						▓	▓	▓			
Conceptual Alignments & Cost Estimates								▓	▓		
Funding & Implementation										▓	
Prepare Document									▓	▓	▓
Council Presentations				◉						✎	▤

Legend

★ Notice to Proceed	✎ Draft Plan	**R1** Round 1
◉ Status Update/Info	▤ Final Plan Adoption	**R2** Round 2

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Vision Statement

"

The Indian Trail Transportation Master Plan (TMP) identifies transportation issues and deficiencies, integrates land use and transportation strategies, and shapes investment decisions to produce transportation improvements that connect people and places, safely and efficiently move goods and people, and expand travel choices.

"

The TMP aligns with two Town Council priorities set forth in the Town's strategic plan.

- **Transportation**
- **Town Infrastructure**

Meeting #1 Updates

- Collected since last PAC Meeting
    - Comp Ped Plan shapefiles and additional design files for Town projects
    - Supplemental crash data

- Revised the following maps
    - Funded Transportation Projects
    - Existing & Proposed Bicycle and Pedestrian Facilities
    - Existing & Proposed Transit Facilities

- Scheduled and conducted stakeholder interviews

- Developed initial list of potential intersections for further study

- Screened potential intersections

- Reviewed CTP recommendations

- Reviewed road functional classification

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Webpage

- Project Webpage Developed

- https://indiantrail.org/1793/
  Transportation-Master-Plan

Truck Traffic Review

- NCTA provided Monroe Expressway Impacts on the U.S. 74 Corridor Memo (2019) that quantified the impacts of the Monroe Expressway on the U.S. 74 corridor, including truck traffic.

- Between 2018 and 2019, average weekday truck traffic along U.S 74 decreased by approximately 200 to 800 vehicles, or 5 to 27 percent, with the greatest reductions occurring west of Monroe.

- Trucks making through-trips on U.S. 74 between Marshville and Stallings decreased from a weekday average of 23.8 percent of all truck trips on U.S. 74 in 2018 to 16.3 percent of all truck trips in 2019.
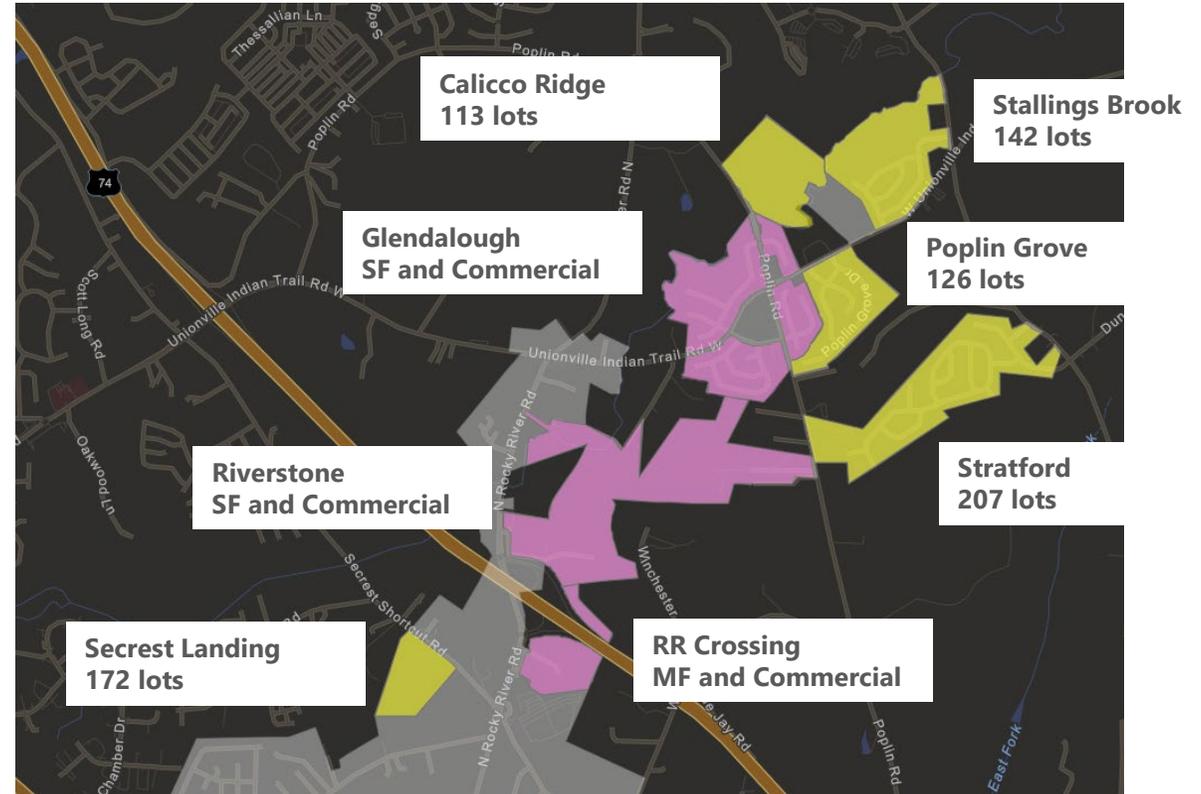
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Stakeholder Interviews

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Stakeholder Interviews

- Virtual Interview
  - City of Monroe

- In-Person Interview
  - Developer

- Online Survey
  - Town Council

- Contacted Via Email
  - Union County Schools
  - Town of Weddington

City of Monroe

- New Interactive Development Map

- Developments Near City Limits

    - Mixed Use

        - Riverstone (Approved)

        - Rocky River Crossing (Approved)

        - Glendalough (Completed)

    - SF Residential

        - Secrest Landing (UC)

        - Calicco Ridge (UC)

        - Stallings Brook (UC)

        - Poplin Grove (UC)

        - Stratford (Completed)

Calicco Ridge
113 lots

Stallings Brook
142 lots

Glendalough
SF and Commercial

Poplin Grove
126 lots

Riverstone
SF and Commercial

Stratford
207 lots

Secrest Landing
172 lots

RR Crossing
MF and Commercial

City of Monroe

- Riverstone TIA recommended improvements at
  - N Rocky River Rd/W Unionville Indian Trail Rd
  - Poplin Rd/W Unionville Indian Trail Rd
- Poplin Rd/ Unionville Indian Trail Rd W on the 2019 UC CIA List
- Old Charlotte Hwy/Rogers Rd was on 2023 UC CIA Candidate Intersection List, but did not move forward because it has already been improved
- SPCC expanding; improvements will be required
- Long-term plan to widen US 74 to 6 lanes
- P7.0 projects
  - Rocky River Rd widening (holding tank)
  - Weddington Rd widening (holding tank)
  - Old Charlotte Hwy/Rocky River Rd grade separation (new submittal)
- Secrest Short Cut Rd will be submitted as candidate project to 2055 MTP (previously submitted to 2045/2050 MTPs)

City of Monroe

- Where are improvements most needed in Indian Trail?
    - Indian Trail Road
    - Old Monroe Rd/Indian Trail Rd intersection

Town of Weddington

- No development activity near Town limits

Developer (and Resident)

- Scott Vickery

- Development Activity (concentrated west of US 74)

  - Chestnut Ln/Potter Rd (previous and future)

  - Gribble Rd/future Chestnut Pkwy

- Supports nearby planned development projects

  - Old Monroe Rd widening (U-4714B)

  - I-485 interchange improvements

  - Pleasant Plains Rd/Potter Rd intersection improvements

- Agrees area between bypass and Rocky River Rd will be highest growth

- Anti-growth contingent in Town

- Recommended talking with Weddington about development activity at Town limits

Town Council

- Taken by three Council members as of 3/19/24

- What are the most common transportation complaints / issues that you hear from your constituents?

    - Traffic, Traffic, Traffic. Also not happy with the super streets from NCDOT. Residents not happy with no right on red on 74. Monroe Rd taking way too long.

    - Too many high density subdivisions built and roads can't handle the huge volume of cars they have brought

    - How bad the roads are

Please rank the following transportation issues / concerns from highest priority to lowest priority?
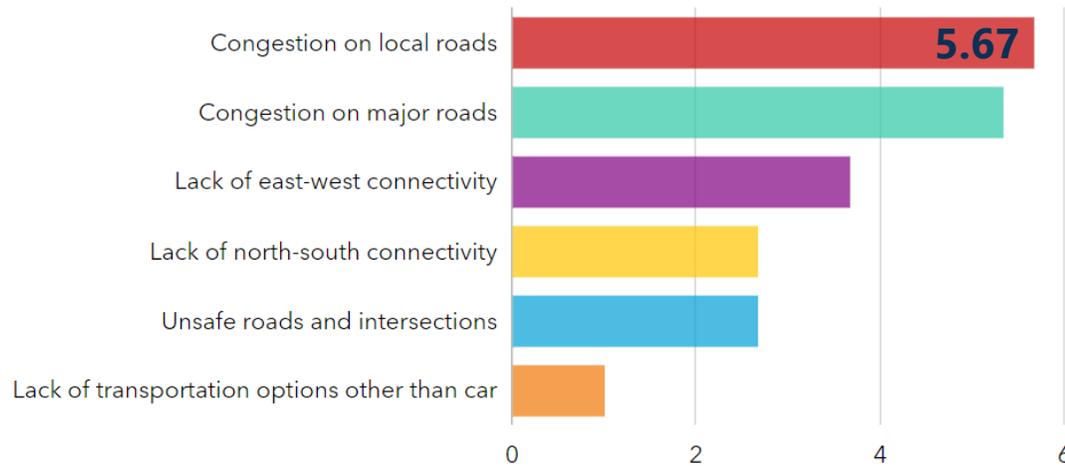
Please explain why your top three were the highest Priority?

- See my answer regarding constituent complaints.

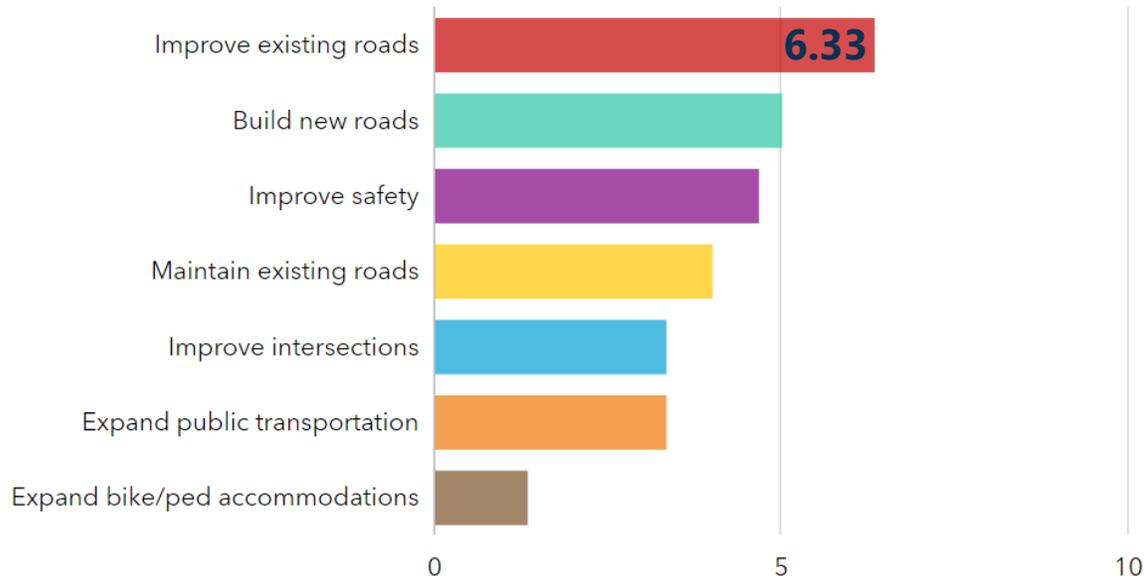- The roads aren't able to support the volume of traffic. We've outgrown our roads.

Please share any other transportation issues / concerns that were not in the list.

- Fixing existing roads. Widening existing roads.

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Town Council

Please rank the following transportation improvements from highest priority to lowest priority.

Improve existing roads	**6.33**
Build new roads	
Improve safety	
Maintain existing roads	
Improve intersections	
Expand public transportation	
Expand bike/ped accommodations	

Please explain why your top three were the highest Priority?

- The traffic is horrible and we need to see vast improvement quickly; we haven't made any improvements.

- It's what people complain the most about. It goes along with complaints on traffic. It's the social media nightmare.
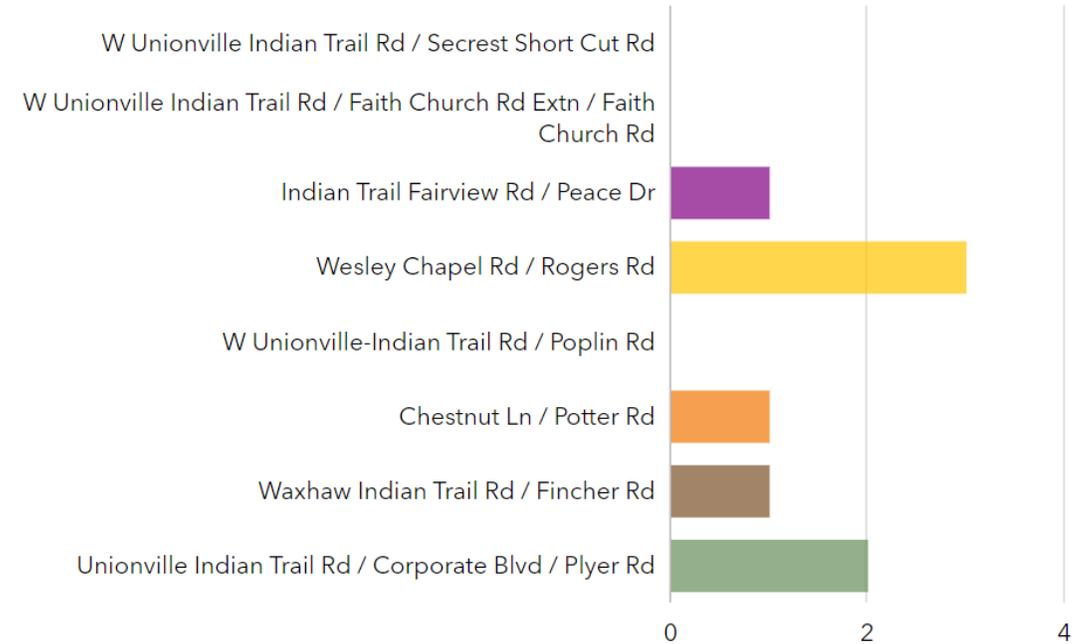
Town Council

Please share any other transportation issues / Concerns that were not in the list

- Constituents hate the Michigan turn lanes.

Which of these intersections should be studied in more detail?

Would you add any intersections to the list?

- no

Town Council

Is there anything specific you would like us to ask the public regarding transportation as a part of this plan?

- Would you be interested in a road bond to move things along faster?
- Would you like to see charging stations in parks and parking areas?
- Would you like to see all development stop to slow traffic congestion?
- Would you like to see more public transportation?
- Would you like to see more traffic officers?

Do you have anything else you would like to add that may not have been covered in the questions above?

- We need to get a move on the Complete Street project. We keep being told that we will see orange barrels in the spring then late summer by Christmas it's been 7 years and nothing has changed. We need action all we get is inaction!

Union County Schools

- Congestion Concerns

    - Indian Trail Rd (part of the Indian Trail Road Complete Streets project)

- Intersection Safety Concerns

    - Old Monroe Rd / Southfork Rd (part of U-4714B)

    - Old Monroe Rd / Chestnut Ln (part of U-4714B)

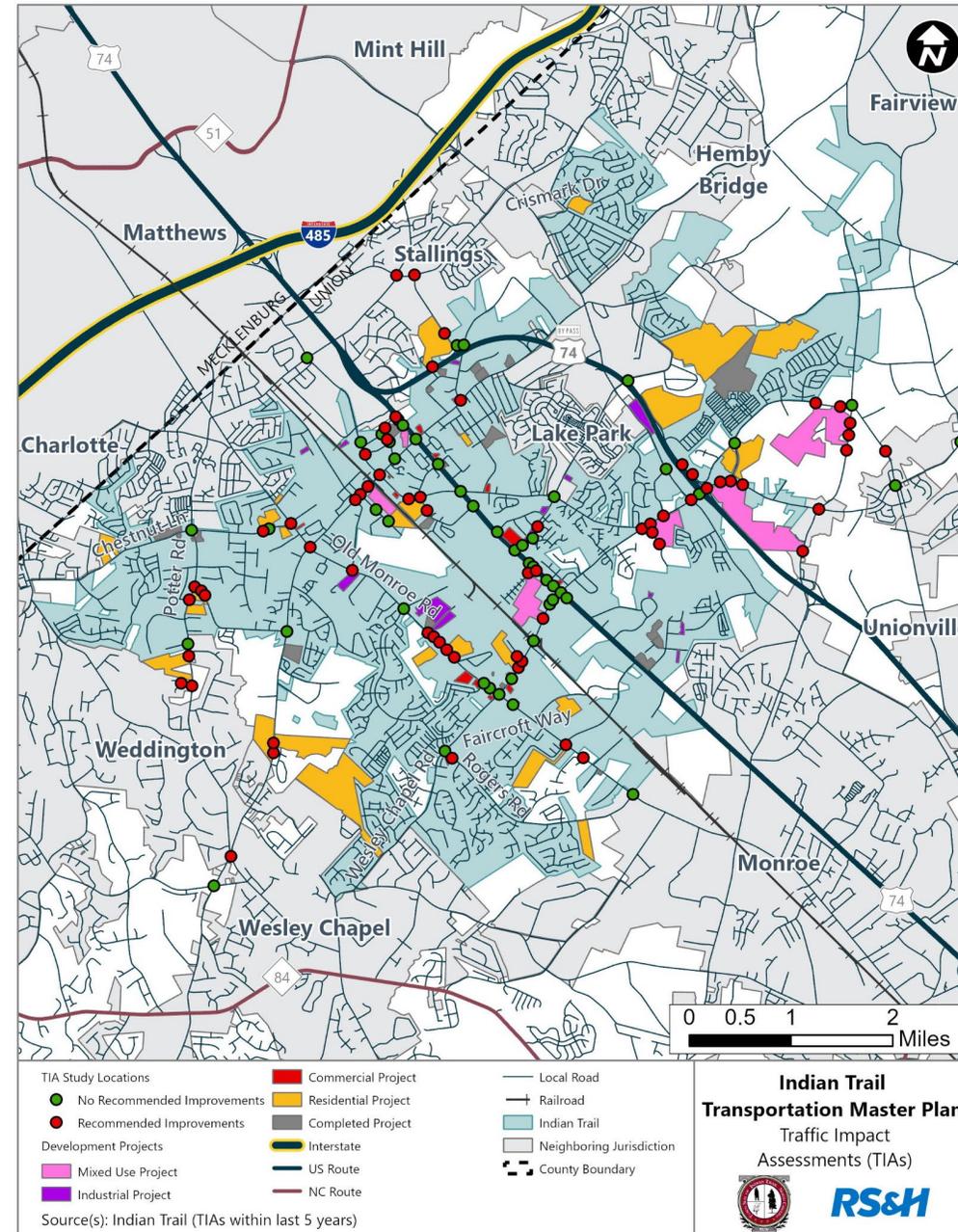   - Indian Trail Rd / Gribble Rd (part of the Indian Trail Road Complete Streets project)

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TIA Review

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TIA Review

- Over 20 TIAs reviewed

- Documented intersections studied and improvements recommended

- For intersections on potential screening list, contacted NCDOT to determine what improvements will be required and if additional improvements are needed

- Requested TIAs or information on recommended improvements for developments near Town limits

Indian Trail Transportation Master Plan
Traffic Impact Assessments (TIAs)

Source(s): Indian Trail (TIAs within last 5 years)

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Candidate Intersections

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Candidate Improvement List

- First removed any intersections that will be improved as a part of planned transportation projects or are already being studied by others

U-4714B

Intersection
Old Monroe Rd/Chestnut Ln
Old Monroe Rd/Waxhaw Indian Trail Rd/Indian Trail Rd
Old Monroe Rd/Glenn Valley Ln
Old Monroe Rd/Garmon Rd/Southfork Rd
Old Monroe Rd/Brandon Oaks Pkwy/Midway Dr
Old Monroe Rd/Mustang Dr
Old Monroe Rd/Wesley Chapel Stouts Rd
Wesley Chapel Rd/Sun Valley Commons
Old Monroe Rd/just east of Sun Valley High School

Union County Critical Intersection Analysis

Intersection
Old Charlotte Hwy/Faircroft Way/Hayes Rd
Mill Grove Rd/Idlewild Rd*
Idlewild Rd/Secrest Short Cut Rd*
Wesley Chapel Rd/ Rogers Rd

*combined

Indian Trail Rd Complete Streets Project

Intersection
Indian Trail Rd/Matthews-Indian Trail Rd/Unionville Indian Trail Rd

Candidate Intersections

1. Chestnut Ln/Potter Rd

2. Indian Trail Fairview Rd/Peace Dr

3. Stinson Hartis Rd/Younts Rd/Indian Trail Fairview Rd

4. Waxhaw Indian Trail Rd/Fincher Rd

5. Unionville Indian Trail Rd/Corporate Blvd, Plyer Rd

6. Unionville-Indian Trail Rd W/Faith Church Rd

7. Unionville-Indian Trail Rd W/Secrest Short Cut Rd

8. Unionville-Indian Trail Rd W/Poplin Rd
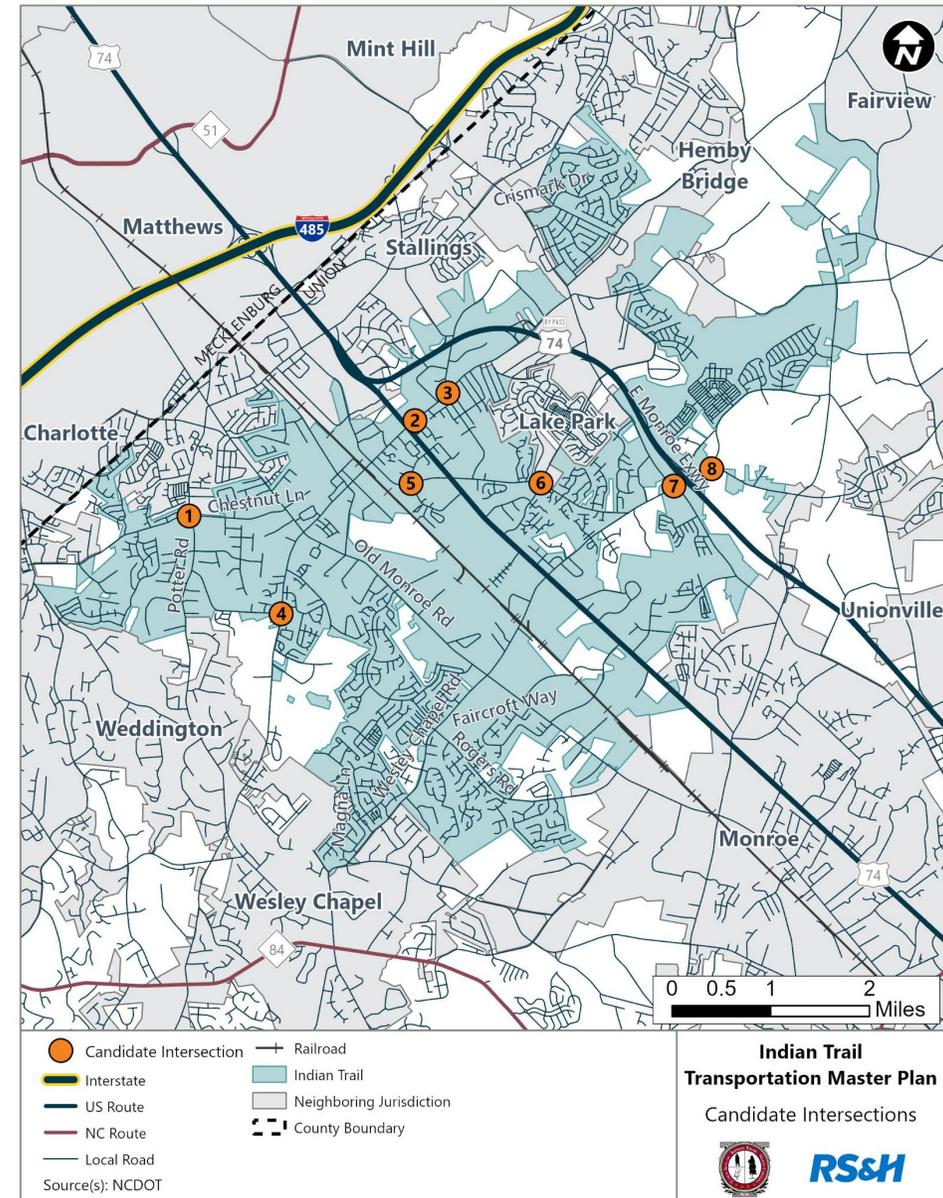
List to Monitor

1. N Rocky River Rd/Poplin Rd

2. N Rocky River/Price Rd

3. N Rocky River/Indian Trail Fairview Rd

4. N Rocky River/W Lawyers Rd

5. Wesley Chapel Stouts Rd/Rosetta Dr

6. Wesley Chapel Stouts Rd/Archie Hargette Rd

7. Indian Trail Fairview Rd/Third Av

8. Brookstone Tr/W Unionville Indian Trail Rd

9. Secrest Short Cut Rd/Spring Harvest Dr

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Screening

Screening Results

- Review Initial Screening Results (see excel)

- Do Any Additional Intersections Need to be Screened?

- Can We Eliminate Any Before Showing to Public?

- Designs and Cost Estimates for Top 3

- High Level Traffic and Safety Analysis for Others

ITEM

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CTP & Functional Classification Review

CTP

- Change from Existing to Needs Improvement
  - Potter Rd
  - Brandon Oaks Pkwy
- Add as Existing (once complete)
  - Chestnut Ln extn (Old Monroe Rd to Gribble Rd
  - Chestnut Ln extn (Chestnut Ln to Old Monroe Rd)
- Remove
  - Faith Church Rd extn
- Revise Alignment
  - Chestnut Ln extn from Gribble Rd to Matthews Indian Trail Rd
- Add as Recommended
  - Connections from Downtown Master Plan (some revisions proposed)
  - McLendon Rd to Pioneer Ln
  - Haywood Rd to either Persimmon Ct or Starcrest Dr
  - Stratford Dr to Southfork Rd
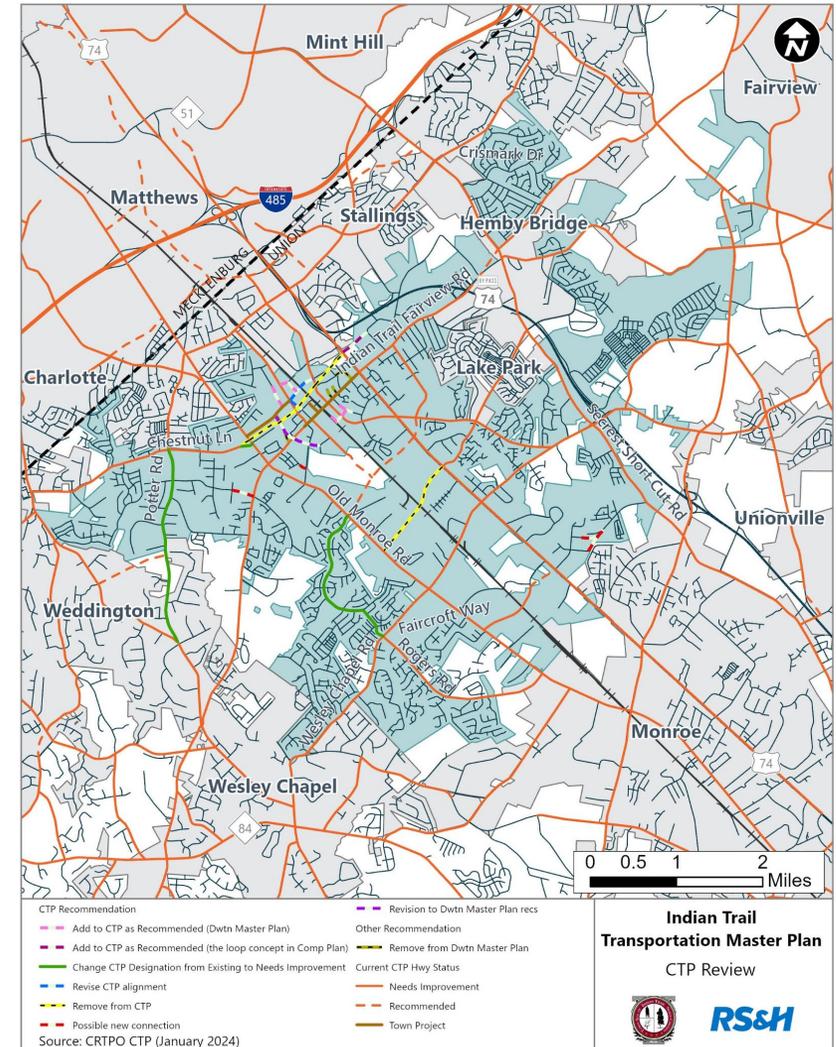
Functional Classification

- Change from Local to Major Collector
  - Unionville-Indian Trail Rd
  - Faith Church Rd
- Change from Local to Minor Collector
  - Rogers Rd
  - Younts Rd
  - Hayes Rd

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Public Input #1

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Public Input #1

- In-Person Event
  - Booth at scheduled event
  - Boards
- Online Survey
  - Flyer with QR code
  - Posted on webpage
- Advertise both on social media

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Next
Steps

Next Steps

- Public Event

- Summarize Public Input

- Select Three (3) Intersections for Designs and Cost Estimates

Thank you!