



MOVE DURHAM

CENTRAL DURHAM
TRANSPORTATION STUDY

DCHC MPO Board

November 4, 2020



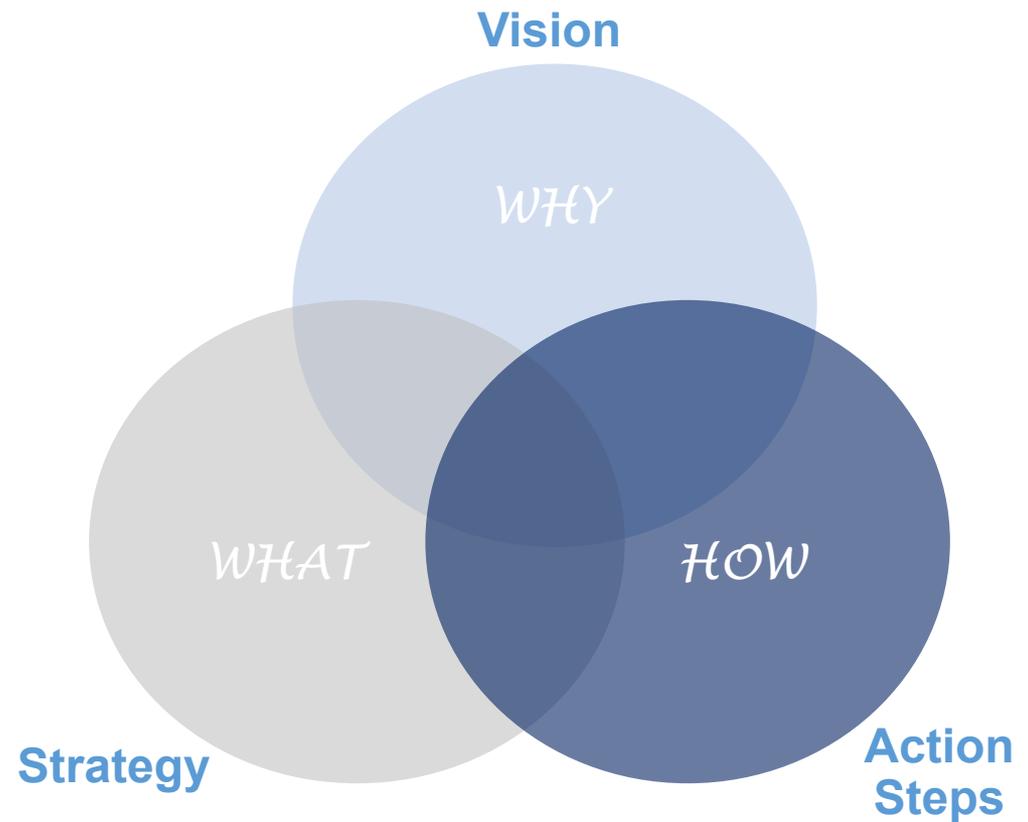
Schedule

- Study initiated in 2018
- Phase I: Vision and Goals
 - Public Engagement Round 1: Winter 2018-2019
- Phase II: Recommendations and Corridor-Specific Visions
 - Public Engagement Round 2: Summer 2019
- Draft Final Plan
 - Public Engagement: June-July 2020
- Durham City Council Plan Adoption October 2020
- **MPO Presentation** November 2020
- **MPO Future Action:** Incorporate into CTP, 2050 MTP, SPOT submissions, NCDOT project development processes, UPWP Special Studies, etc.



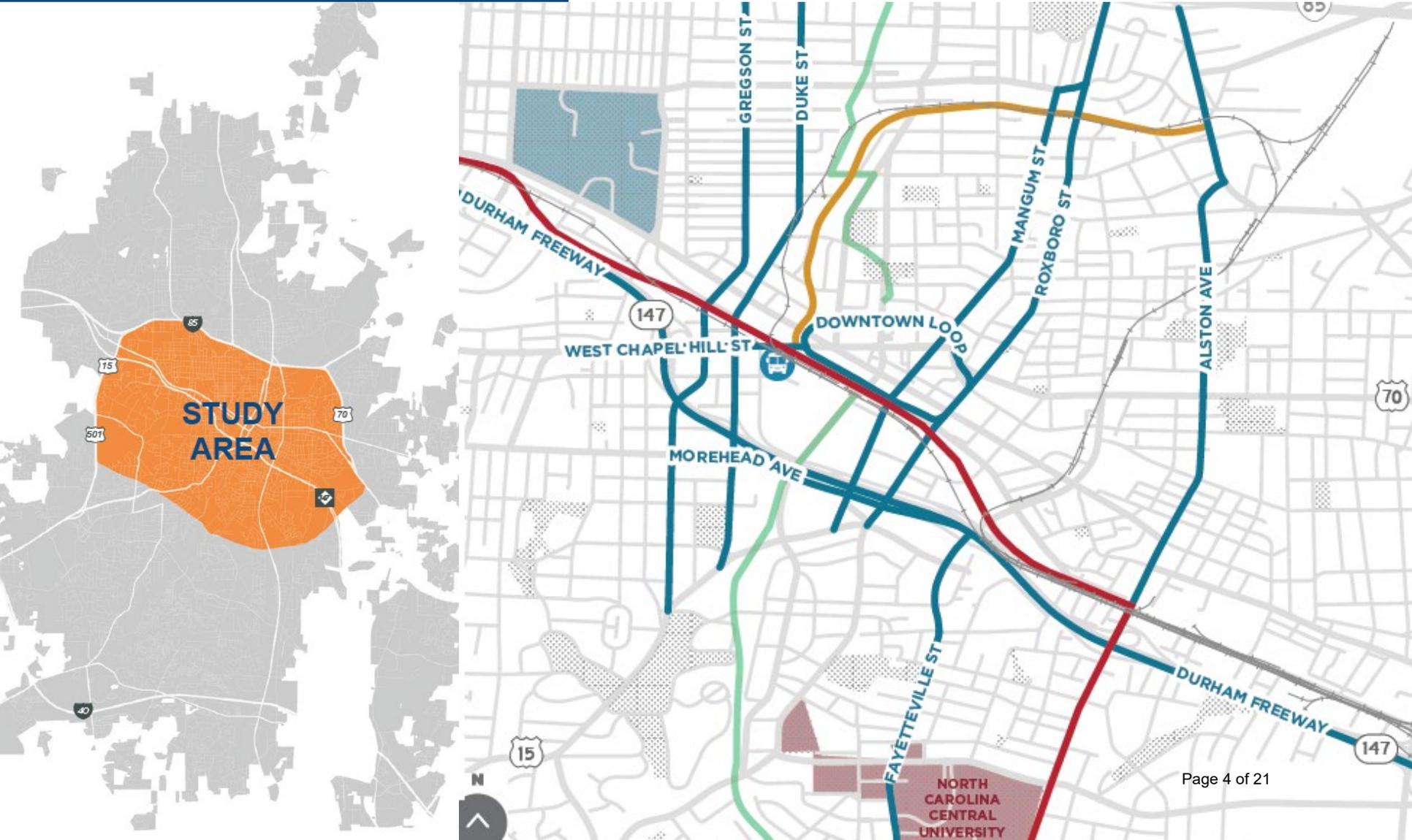
Project Scope

- **Establish** mobility goals, strategic vision and priorities
- **Collect** data and conduct assessment
- **Engage** the community throughout the process
- **Participate** in concept development exercises
- **Develop** a draft and final downtown transportation study





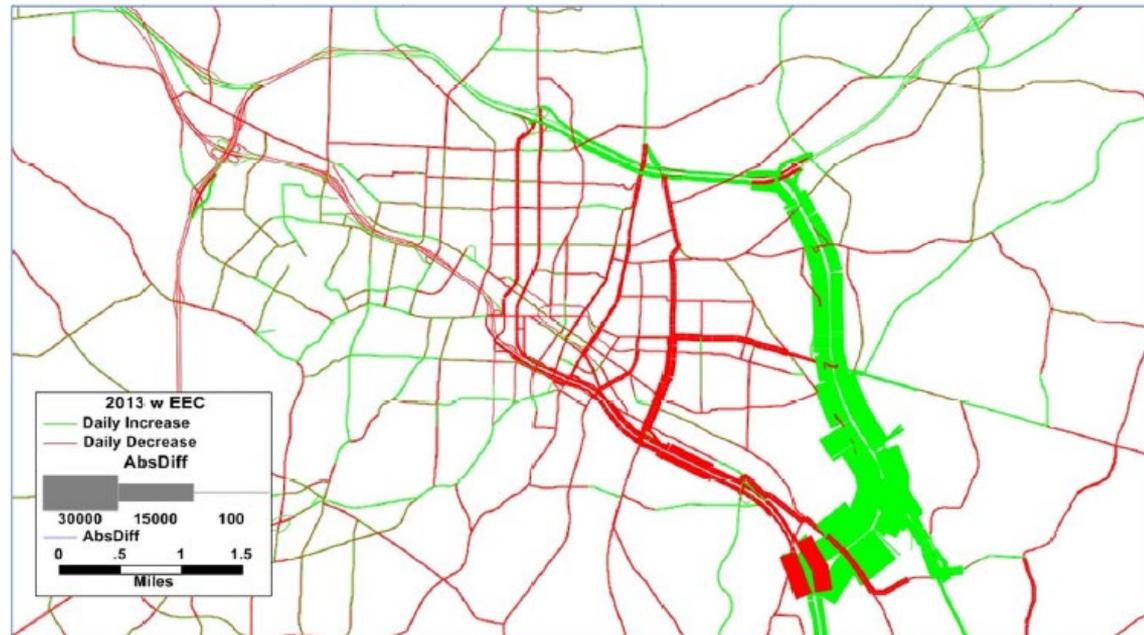
Study Area





Existing Conditions

- Equity Analysis
- Safety Analysis
- Destination Generators
- Traffic Volumes
- Travel Patterns
- Traffic Forecasting
- Land Use
- Previous Planning + Design Efforts



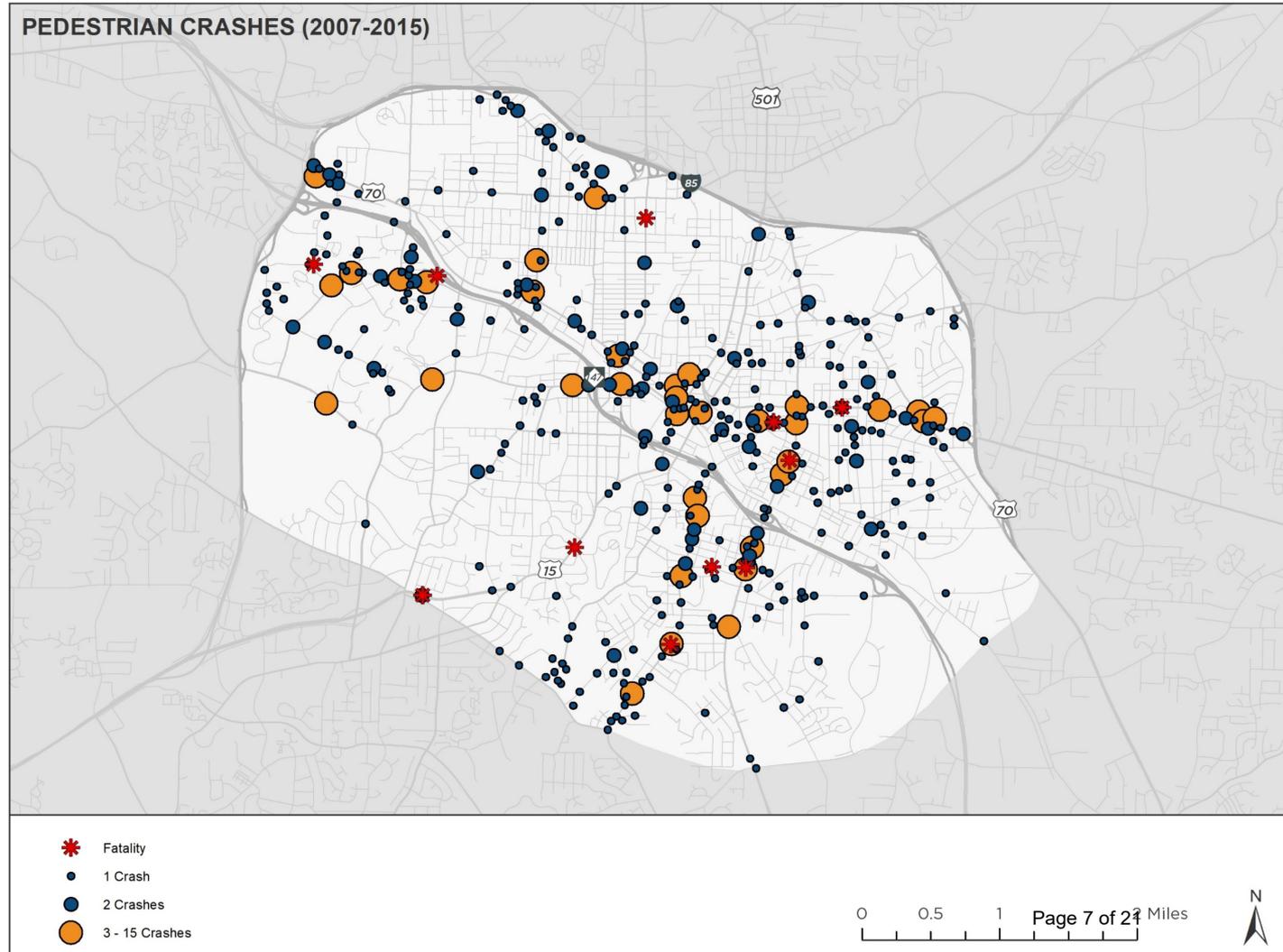


Pedestrian Crashes

**High Crash
Corridors**
(Major + Minor
Arterials Only)



Alston Ave
Fayetteville St
Erwin Rd
Holloway St
Miami Blvd





Trip Length

All Trips, Every Day

Easy Walk
0-1 miles,
15 minute walk



**Moderate Walk or
Easy Bike Ride**
0-2 miles,
30 minute walk,
15 minute bike ride



Moderate Bike
Ride 0-5 miles,
35 minute bike ride



Drive Only
5+ miles





Phase I Outreach Summary



1,120

Surveys
Completed



450

Map
Comments



400+

Community
Conversations



200

Stakeholders
Included



573

Online
Entries



547

Paper
Entries





Our Vision

Whether traveling by bus, foot, bike or car, people in Central Durham will be able to move safely and reliably.

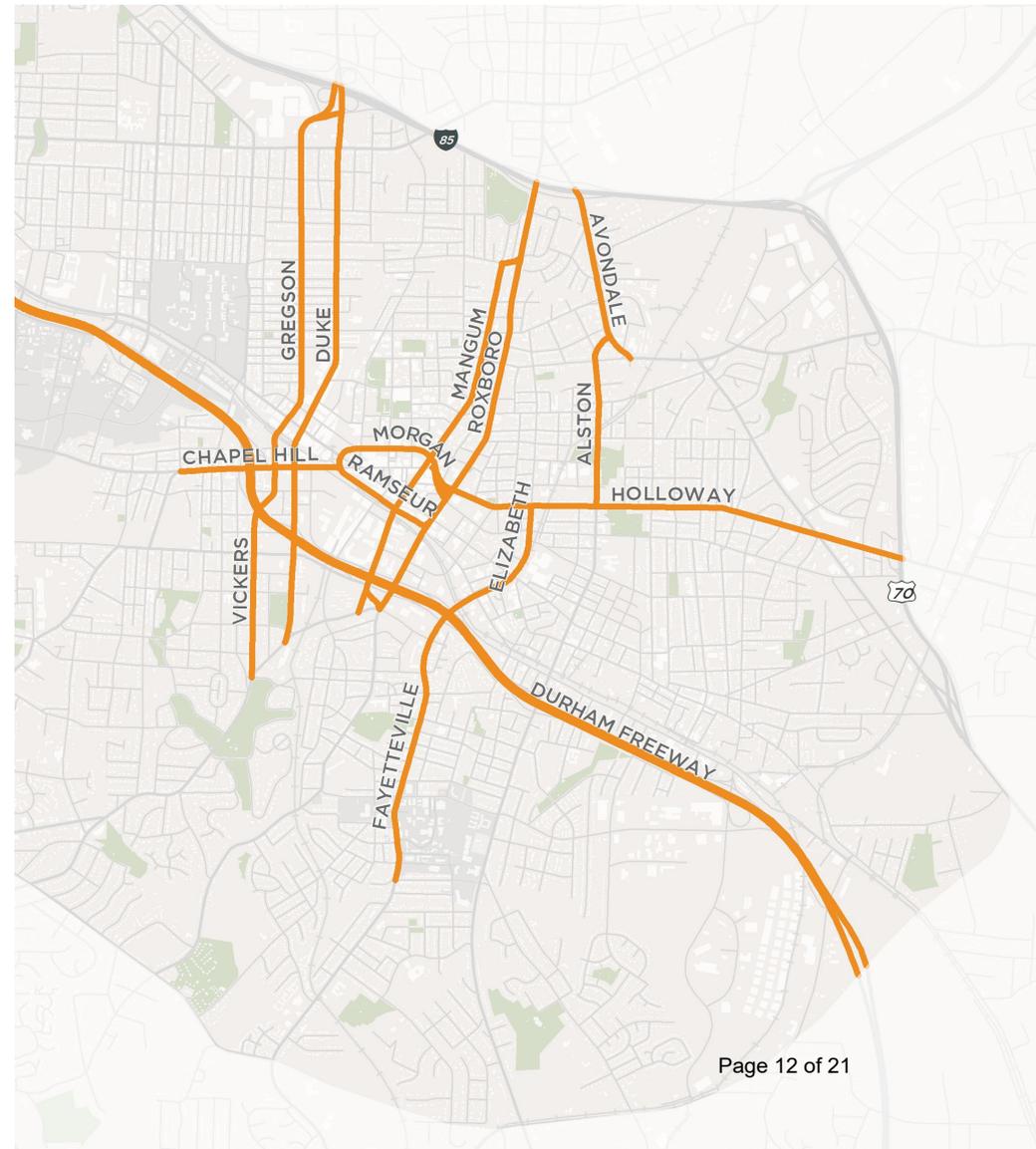
A more convenient and connected multimodal transportation network will ensure that moving in Central Durham is affordable and equitable for all.



Priority Corridors

Primary Goals:

- Introduce High Frequency Transit + Improved Access
- Increase Biking
- Increase Walking
- Calm Traffic
- Increase Safety (Reduce Crashes + Increase Comfort)
- Improve Streetscapes





Phase II Outreach Summary



2,589

Corridor
Surveys
Completed

1,372

Online
Entries



1,217

Paper
Entries



40

Freeway Specific
Surveys



13

Community
Events
Attended

Encouragement
Tactics Include:

Interactive activities

Bicycle Raffles

Food

City of Durham Gear

Child Activities



11

Community
Presentations

+

Intercept
Surveys at:

North Carolina
Central University

Durham Tech

Chapel Hill
Street



1,196

Projects Flyers
sent to
community
residences
adjacent to
priority
corridors



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Phase II Outreach Summary



Online
Surveys



Paper
Surveys



Community Events
+ Presentations

Avondale Dr & Alston Ave

68

220

12

Chapel Hill St

159

104

8

Downtown Loop

171

114

8

Duke St & Gregson St/Vickers St

396

125

7

Durham Freeway

144

165

6

Fayetteville St & Elizabeth St

124

142

14

Holloway St

70

173

10

Mangum St & Roxboro St

240

174

9



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Recommendations



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Recommendations



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What does MoveDurham recommend?

Policy

Infrastructure



Infrastructure Recommendations

- Short-Term Recommendations
 - Routine but increased effort
 - Applied throughout the study area and incorporated into corridor-specific recommendations
 - Ex. Sidewalk repair, sidewalk gaps, bike facilities through re-striping, bus stop amenities, etc.
- Long-Term Recommendations
 - Require identification of new or greatly expanded funding programs
 - NCDOT approval concerns and roadway maintenance questions
 - Corridor-specific recommendations



Long-Term Vision

Streetscape Improvements



Avondale Dr &
Alston Ave

Elizabeth St/
Fayetteville St

Holloway St

Two-Way Conversion



Downtown Loop

Roxboro St & Mangum
St

Duke St &
Gregson St/Vickers Ave

Transit Priority



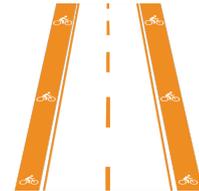
Elizabeth St/
Fayetteville St

Roxboro St &
Mangum St

Downtown Loop

Holloway St

Separated Bikeway



Chapel Hill St

Elizabeth St/Fayetteville St

Roxboro St &
Mangum St

Downtown Loop

Avondale Dr &
Alston Ave



NCDOT Statement

- “We are committed to improving streets for all users and the type of changes noted in the plan is consistent with our Complete Streets Policy and Guidelines.”
- However, approval would be provided on a case-by-case basis considering the following:
 - Roadway capacity and need for turn lanes
 - Changing Character of Roadway
 - “The State Highway system inside corporate limits is intended to consist of major streets and highways necessary to move volumes of traffic efficiently and effectively from points beyond the corporate limits to major business, industrial, governmental and institutional destinations located inside municipalities.”



Durham Freeway

- Improve connectivity
- Maintain and improve access
- Incorporate discussions about the future of NC 147 into the Comprehensive Plan process
- Delay current TIP project U-5937.
- Coordinate with NCDOT and DCHC MPO on a comprehensive study of the future of NC 147 based on equitable engagement



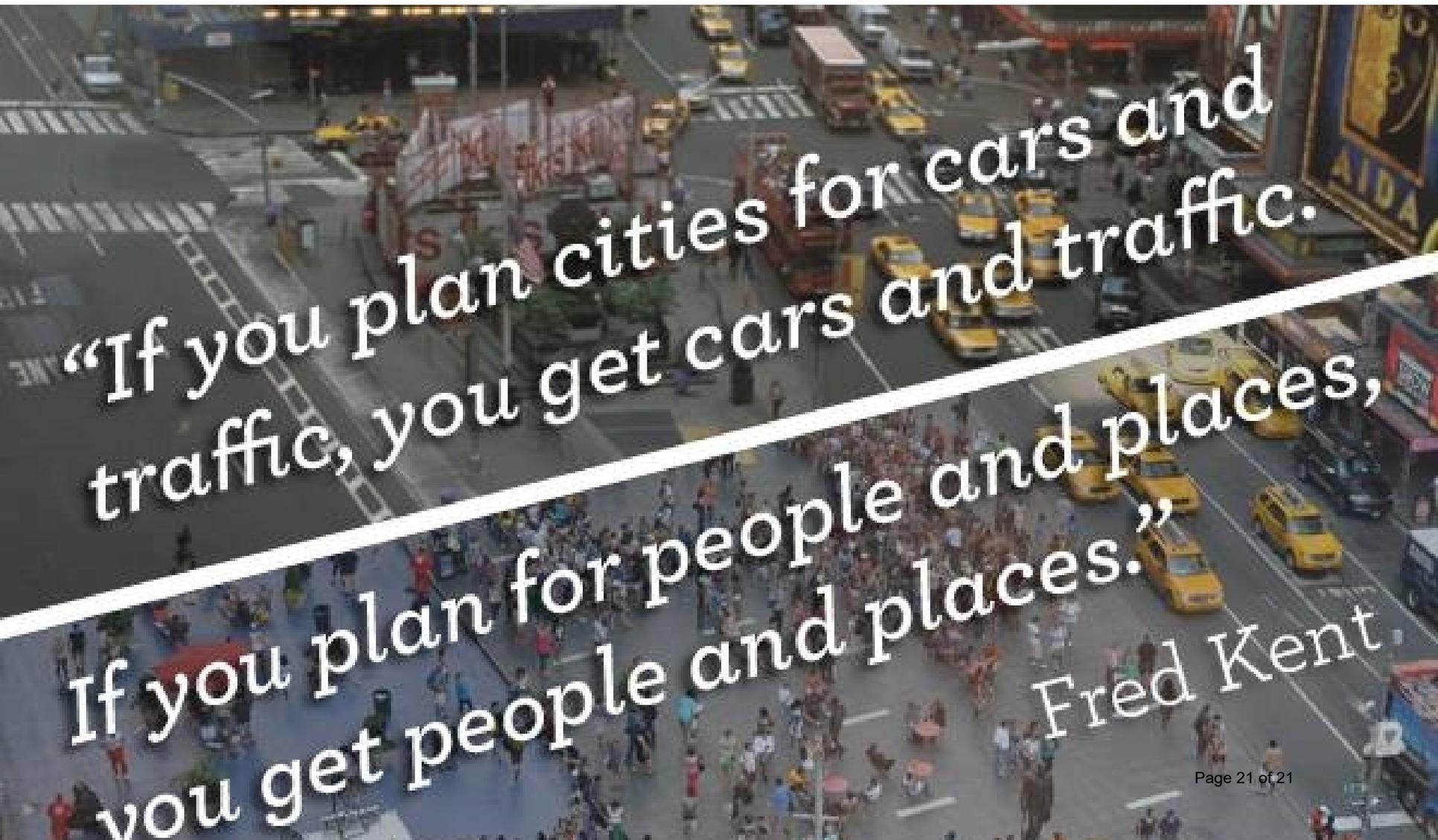
Looking east at the Durham Freeway from Briggs Ave overpass



Looking north at Duke St overpass



Questions?



“If you plan cities for cars and traffic, you get cars and traffic.
If you plan for people and places, you get people and places.”

Fred Kent