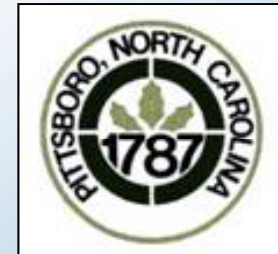


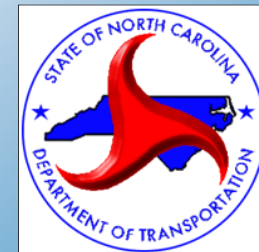
# Pittsboro

## Comprehensive Transportation Plan



Chatham TAB

June 28, 2011



# CTP Progress To Date

(What has been accomplished?)

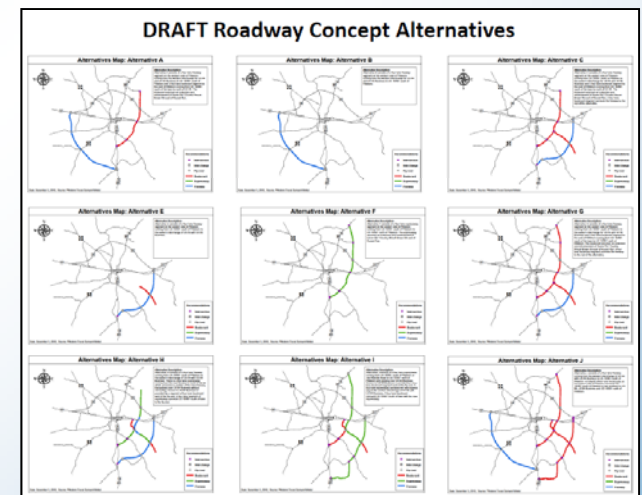
- Kicked off study in May 2010
- Established CTP Steering Committee
- Developed Vision and Goals Statement
- Developed a website and comment submission site
- Determined future land use projections
  - Developed on TAZ level
  - Significant interaction with Town staff, developers, and RPO
  - Sewer plan formed the basis
- Data collection



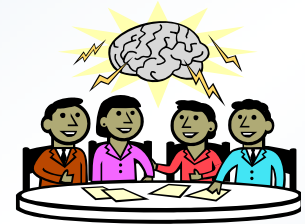
# CTP Progress To Date

(What has been accomplished?)

- Project future no-build traffic volumes
- Establish roadway concepts
  - Scenario modeling
  - Environmental considerations
- ***In summary...***
  - 6 steering committee meetings
  - 2 public meetings (January and May, 2011)
  - Multiple updates to elected officials
  - Refined roadway solutions
    - 19 Alternative Maps produced (Alternatives A – S)
  - Developed recommended alternative



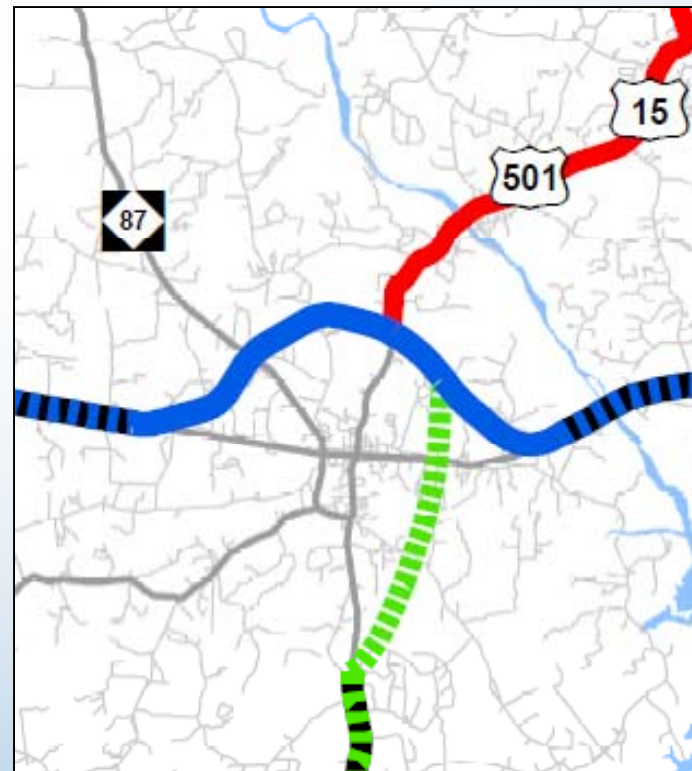
# Vision and Goals



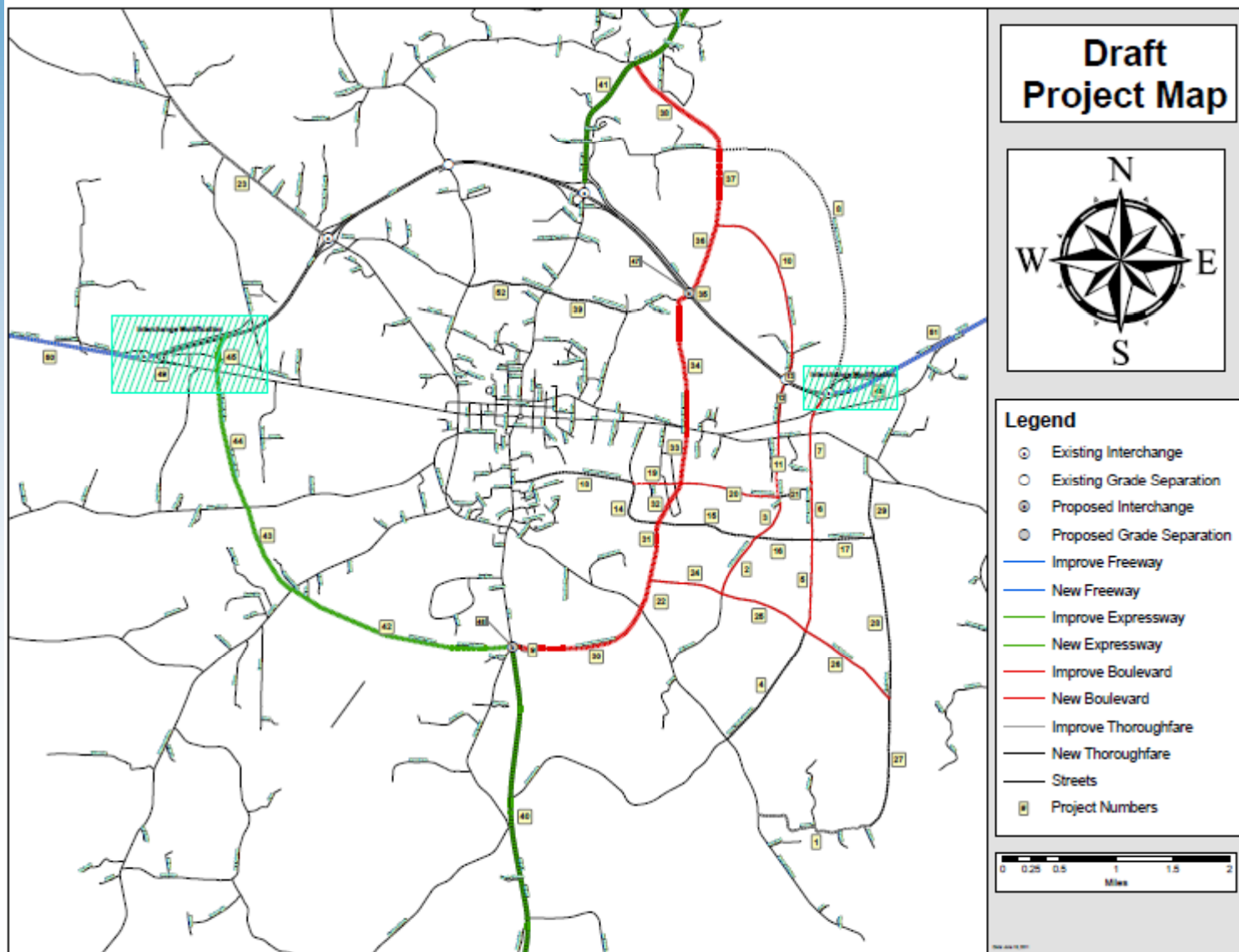
- Encourage planned and strategic development
- Right of way preservation
- Identify transportation system needs
- Promote roadways that encourage alternative modes
- Improve safety and congestion
- Link the Town with surrounding areas
- Educate the Public
- Provide alternative truck routes
- Minimize need for roadway expansion downtown

# Quick Reminder: Strategic Highway Corridors

- Direct impact on Pittsboro
  - US 64
  - US 15-501



# Recommendations



# Recommendations

## Draft Project List

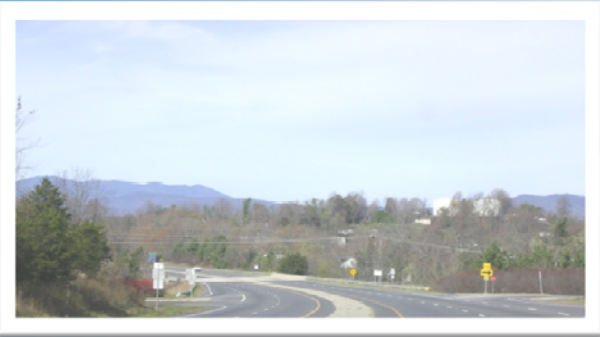
Project Number	Project Name	From	To	Description
1	Abeysance	Moncure-Pittsboro Road	End of existing Abeysance	Improve existing 2 lane local street
2	Bill Thomas Extension	New Boulevard 1	Industrial Park Extension	New 4 lane boulevard
3	Bill Thomas Extension	Industrial Park Extension	Lorax Extension	New 4 lane boulevard
4	Charlie Brooks Extension	Moncure-Pittsboro Road	New Boulevard 1	New 2 lane local street
5	Charlie Brooks Extension	New Boulevard 1	Industrial Park Extension	New 4 lane boulevard
6	Charlie Brooks Extension	Industrial Park Extension	Lorax Extension	New 4 lane boulevard
7	Charlie Brooks Extension	Lorax Extension	US 64	New 4 lane boulevard
8	Charlie Brooks Extension	US 64	New North-South Connector	New 2 lane local street
9	Daisy Scarlock Rd	US 15-501	437' East of US 15-501	Improve existing to 6 lane high level boulevard
10	Eubanks Connector	Prince Creek	New North-South Connector	New 4 lane boulevard
11	Eubanks Extension	Lorax Extension	US 64 Business	New 4 lane boulevard
12	Eubanks Road	US 64 Business	Prince Creek	Improve existing to 4 lane boulevard
13	Eubanks Road	@ US 64		Improve existing grade separation
14	Industrial Park Extension	Lorax Lane	New North-South Connector	New 2 lane local street
15	Industrial Park Extension	New North-South Connector	Bill Thomas Extension	New 2 lane local street
16	Industrial Park Extension	Bill Thomas Extension	Charlie Brooks Extension	New 2 lane local street
17	Industrial Park Extension	Charlie Brooks Extension	New Far East	New 2 lane local street
18	Industrial-US15 Connector	US 15-501	Industrial Park Drive	New 2 lane local street
19	Lorax Extension	Industrial Park Drive	New North-South Connector	Widen and extend to 4 lane boulevard
20	Lorax Extension	New North-South Connector	Eubanks Extension	New 4 lane boulevard
21	Lorax Extension	Eubanks Extension	Charlie Brooks Extension	New 2 lane local street
22	Mt Zion Road	Moncure-Pittsboro Road	End of existing Mt Zion Road	Improve existing to 4 lane boulevard
23	NC-87 N	US 64	Silk Hope Gum Springs Road	Add turn lanes to major intersections
24	New Boulevard 1	Mt Zion Road	Bill Thomas Road	New 4 lane boulevard
25	New Boulevard 1	Bill Thomas Road	Charlie Brooks Extension	New 4 lane boulevard
26	New Boulevard 1	Charlie Brooks Extension	New Far East	New 4 lane boulevard
27	New Far East	Abeysance	New Boulevard 1	New 2 lane local street
28	New Far East	New Boulevard 1	Industrial Park Extension	New 2 lane local street
29	New Far East	Industrial Park Extension	Hanks Loop Road	New 2 lane local street
30	New North-South Connector	Daisy Scarlock Road	Moncure-Pittsboro Road	New 6 lane high level boulevard
31	New North-South Connector	Mt Zion Road	Industrial Park Extension	New 6 lane high level boulevard
32	New North-South Connector	Industrial Park Extension	Lorax Extension	New 6 lane high level boulevard
33	New North-South Connector	Lorax Extension	US 64 Business	New 6 lane high level boulevard
34	New North-South Connector	US 64 Business	Tom Womble Road	New 6 lane high level boulevard
35	New North-South Connector	Tom Womble Road	North of US 64 Interchange	New 6 lane high level boulevard
36	New North-South Connector	US 64	Eubanks Connector	New 6 lane high level boulevard
37	New North-South Connector	Eubanks Connector	Country Routt Brown Road	New 6 lane high level boulevard
38	New North-South Connector	Country Routt Brown Road	US 15-501	New 6 lane high level boulevard
39	Tom Womble Extension	US 15-501	Pittsboro Fire Tower Road	New 2 lane local street
40	US 15-501	North-South Connector	South of Pittsboro	Improve existing to expressway
41	US 15-501	US 64	North of Pittsboro	Improve existing to expressway
42	US 15-501 By-Pass	US 15-501	NC-902	New 4 lane expressway
43	US 15-501 By-Pass	NC-902	Alston Chapel Road	New 4 lane expressway
44	US 15-501 By-Pass	Alston Chapel Road	US 64 Business	New 4 lane expressway
45	US 15-501 By-Pass	US 64 Business	US 64	New 4 lane expressway
46	US 15-501 By-Pass	@ US 15-501		New interchange
47	US 64	@ North-South Connector		New interchange
48	US 64	@ US 64 Business (East)		Interchange Modification
49	US 64	@ US 64 Business (West)		Interchange Modification
50	US 64	West of US 64 Business	US 64 Business	Improve existing to freeway
51	US 64	US 64 Business	East of US 64 Business	Improve existing to freeway
52	X Campbell Extension	Old Graham Road	US 15-501	New 2 lane local street

# Recommendations

- 3 major components
  - US 15-501 Bypass west of town
    - Meets NCDOT's needs for an Expressway
  - “High Level” Boulevard east of town
    - Will serve as 15-501 bypass for many years
    - 6-lane cross section to accommodate traffic
    - Signals will be limited, no driveways allowed
  - Grid street network east of town
    - Essential to accommodate future traffic
    - Some are 4-lane boulevards, others are 2-lane minor thoroughfares



# Expressway Facility (US 15-501 Bypass)



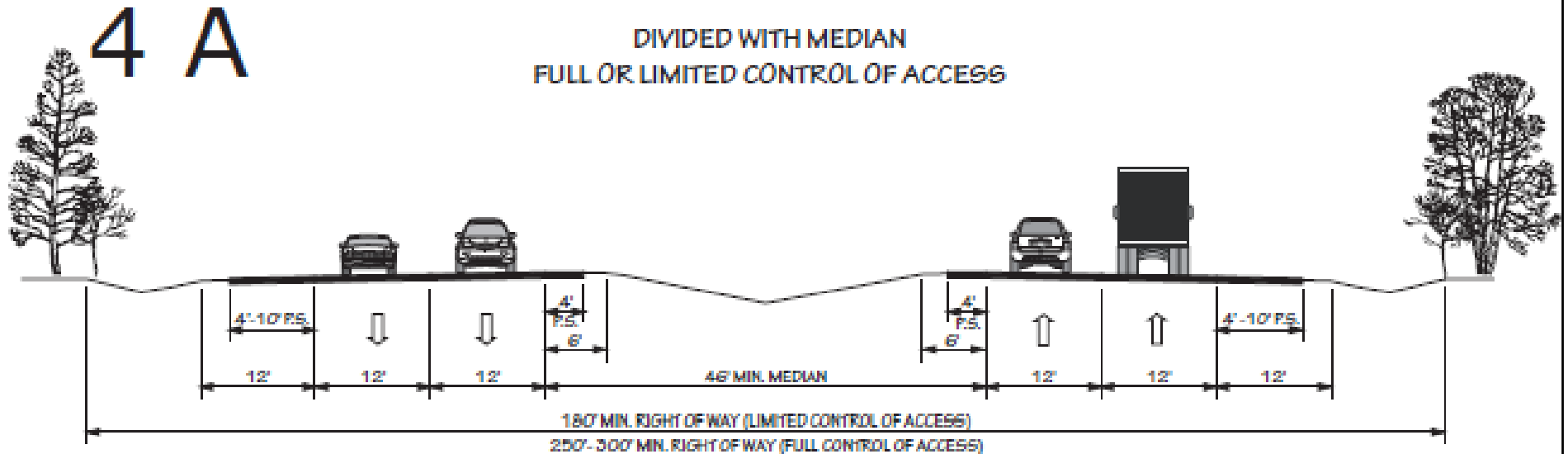
**US 221 (Marion Bypass)**



**US 220 in Rockingham County**

- High mobility, low access
- 45 to 60 mph
- Cross section: minimum 4 lanes with median
- Connections at interchanges (major cross streets) and at-grade intersections (minor cross streets)
- Driveways limited in location and number, right-in/right-out only
- Traffic signals not allowed
- Examples: US 117 north of I-40, US 74 just east of I-277 in Charlotte

# Expressway Facility (US 15-501 Bypass)



- 4 lanes
- No signals or driveways
- Interchanges at US 15-501 and US 64
- Possible interchange at NC 906

# Boulevard Facility (High Level Boulevard)



**US 70 East of Goldsboro**

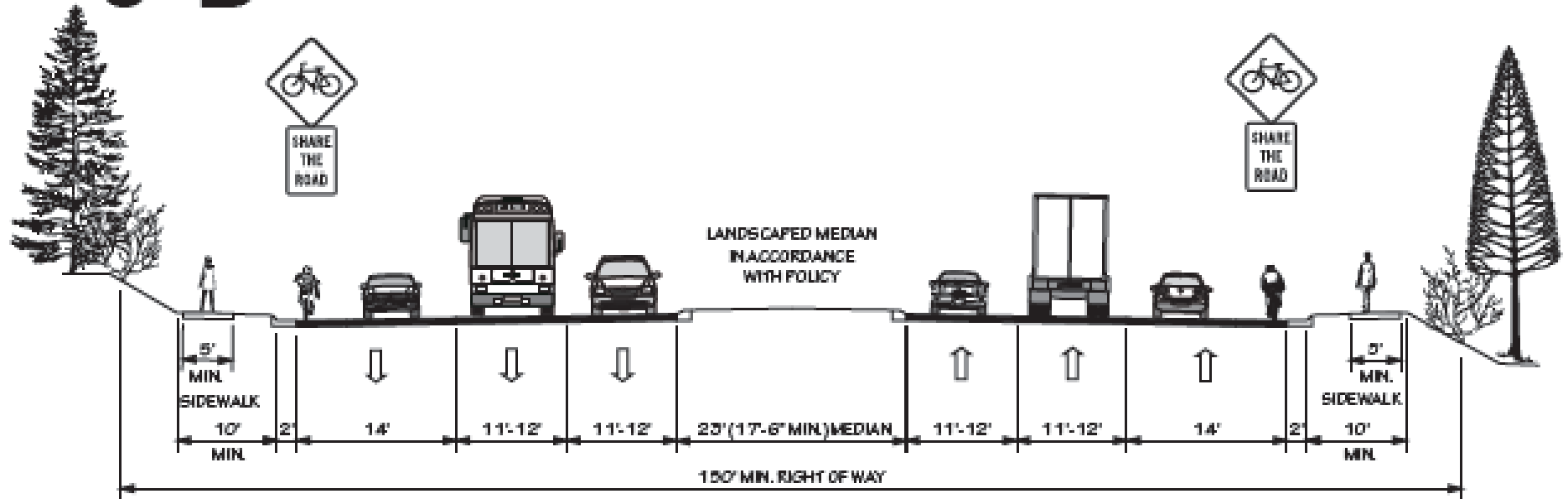


**Cary Parkway**

- Moderate mobility, moderate access
- 30 to 55mph
- Cross section: minimum 2 lanes with median
- Connections are at-grade intersections for most major and minor cross streets
- Driveways allowed – primarily right-in/right-out; consolidation and sharing access is encouraged
- Traffic signals allowed
- Examples: US 1 in Raleigh, NC 55 (Holly Springs Bypass), US 70 from Clayton to Garner

# Boulevard Facility (High Level Boulevard)

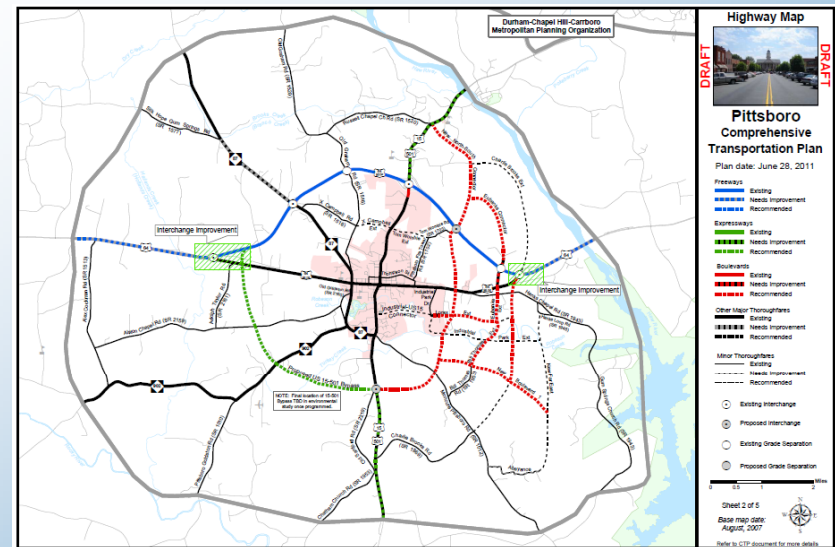
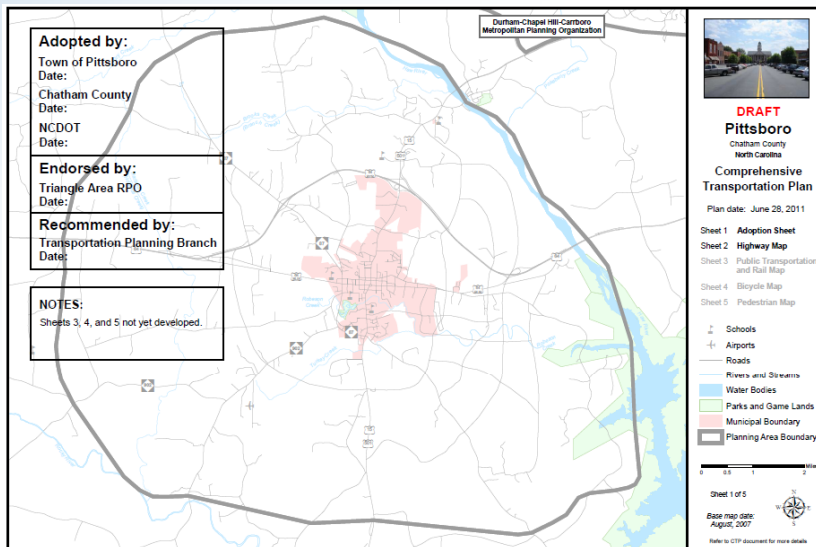
## 6 B RAISED MEDIAN - CURB & GUTTER WITH WIDE OUTSIDE LANES AND SIDEWALKS



- 4 lanes initially, expandable to 6
- No driveways
- Limitation on signals

# Next Steps

- Town Council is reviewing maps and recommendations from June 13<sup>th</sup> presentation
- Adoption of CTP map and recommendations by Town Council on July 25<sup>th</sup>
- Adoption by County on August 1<sup>st</sup>
- Endorsement by Triangle Area RPO on August 18<sup>th</sup>
- Adoption by NCDOT Board of Transportation in September



# In Conclusion

- Extensive modeling of potential roadway alternatives
- Recommended alternative meets CTP Vision and Goals (defined by the steering committee) while still meeting NCDOT's criteria
- Proposed roadway system should meet Pittsboro's needs well into the future
- Remember that these recommendations are concepts – future alignments will depend on further analysis

# Thank you! Questions?

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[www.ncdot.org/doh/preconstruct/planning/pittsboro.html](http://www.ncdot.org/doh/preconstruct/planning/pittsboro.html)