

CAPITAL BOULEVARD



CORRIDOR STUDY

Issues and Opportunities Report: Proposed Outline

Note that the first and second levels of this outline are intended to correspond to chapter and section headings. Lines at the third level and below are descriptive and included for elaboration, but may or may not be used as headings in the final report.

0. Executive Summary

- a. Introduction
- b. Issues
- c. Opportunities
- d. Conclusions
- e. Next Steps

1. Introduction

- a. Project Overview
- b. Purpose and Scope of Report
- c. Summary of past plans
- d. Agency participation
 - i) Local
 - ii) State

2. Transportation

- a. Roadways
 - i) Functional classification
 - (1) Associated cross sections and existing deficiencies
 - ii) Traffic Volumes
 - (1) Historic, current and projected volumes and LOS
 - iii) Interchanges, bridges & major intersections
 - (1) Functional design, age, etc. (Include 440 interchange)
 - iv) Accident history

- v) Planned and proposed projects
 - (1) Six Forks extension
 - (2) Whitaker Mill Road Extension
 - (3) Peace Street Bridge Replacement
- b. Transit
 - i) Local bus service
 - (1) Routes, ridership, stop locations, passenger amenities, pedestrian connections
 - ii) Southeast High Speed Rail
 - (1) Routing alternatives
 - (2) Roadway impacts
 - iii) Regional Rail
 - (1) Proposed alignments and stations
- c. Bicycles and Pedestrians
 - i) Bicycle Plan routes within the study area
 - ii) Greenways
 - iii) Sidewalk inventory
 - iv) Accommodations at intersections and on existing bridges and underpasses

3. Environmental Conditions

- a. Waterbodies in the Study Area
 - i) Description Pigeon House Branch, Crabtree Creek, Cemetery Branch, others?
 - ii) Pigeon House Drainage Basin
 - iii) Water quality
 - iv) Riparian buffers
- b. Flooding
 - i) Extent of existing and future 100 year floodplain
 - (1) Development in the floodplain
 - ii) Flood history, flash flooding
 - (1) Repetitive loss structures
- c. Environmental contamination
 - i) Landfills (closed, unpermitted)
- d. Tree canopy and significant trees
- e. Habitat & ecology
- f. Impervious coverage
- g. Topography
 - i) Slope Analysis
- h. Solar Aspect

4. Utility Infrastructure

- a. Stormwater infrastructure
 - i) Pipes & culverts
 - ii) Stormwater controls on private property
 - iii) Proposed stormwater storage areas
 - iv) Recent projects
 - v) Planned and proposed projects
- b. Water & Wastewater
 - i) Sewer interceptor locations
 - ii) Water mains
 - iii) Pipe condition and capacity
 - iv) Planned and proposed projects

5. Land Use & Zoning

- a. Existing land uses
- b. Existing zoning
- c. Age of buildings
- d. Recent developments
- e. Future land uses
- f. Property conditions

6. Economic Conditions

- a. Economic generators
 - i) Major commercial land uses
 - ii) Industry & distribution uses
 - iii) Retail inventory
 - iv) Competing retail areas
- b. Property market conditions
 - i) Assessed values
 - ii) Recent business openings
 - iii) Recent property sales
 - iv) Soft site analysis
- c. Socio-economics
 - i) Trade area definition
 - ii) Households, size, type & income
 - iii) Population, poverty, ethnicity
 - iv) Crime hotspots

7. Urban Design & Public Realm Inventory

- a. Built conditions
 - i) Figure-ground

- ii) Prominent buildings & landmarks
- iii) Age of buildings & architectural styles
- b. The traveler experience
 - i) Cognitive Mapping (Experiential regions—north, middle, south)
 - ii) Landscape Typology (Form, Function)
 - iii) View corridors
- c. Cultural resources & landscapes
 - i) Historic landmarks
 - ii) Historic Development Patterns/Uses
 - iii) Public art
- d. Public realm
 - i) Public open spaces
 - ii) Medians & islands
 - iii) Greenway connections & corridors
 - iv) Sections at key points along corridor

8. Issues & Opportunities

- a. Summary of First Workshop
 - i) Issues, Opportunities & Constraints
- b. Issues
 - i) Transportation
 - ii) Environment
 - iii) Infrastructure
 - iv) Land use & economic development
 - v) Urban design & public realm
- c. Opportunities
 - i) Transit
 - ii) Roadway safety and function
 - iii) Multi-modal connectivity
 - iv) Greenways
 - v) Water quality enhancement
 - vi) Stormwater management
 - vii) Economic development & redevelopment
 - viii) Public realm