

Core Technical Team Meeting #7

April 28, 2016 – 2PM to 4PM

Double Barley Brewing, Upstairs Meeting Room

3174 US Highway 70W

Smithfield, NC 27577

Notes

- ◆ Welcome
 - ◆ Mayor Phillip Wright of Wilson's Mills
- ◆ Hot Spot Analysis Updates
 - ◆ We have completed scoping meetings for our three hot spot areas. Here are the preliminary results, which we have summarized in an abstract for each hot spot.
 - ◆ Archer Lodge: Collector Street Plan
 - ◆ Objective
 - ◆ Develop a strategy to guide the planning and design of collector streets.
 - ◆ Relevant Issues
 - ◆ Upcoming growth and development
 - ◆ Adjacent Clayton and Flowers Plantation development
 - ◆ Access to active transportation
 - ◆ Main Study Components
 - ◆ Travel Demand Modeling and Analysis
 - 2040 Triangle Regional Model
 - ◆ Peer Review Comparison
 - Four NC communities
 - ◆ Connectivity Assessment
 - Identify beneficial connections
 - ◆ Conservation and Low Impact Development
 - Identify beneficial connections
 - ◆ Diagnostic Assessment
 - Policy/ordinance review
 - ◆ Garner: 40/70 Catalyst Site
 - ◆ Objective
 - ◆ Improve traffic circulation to accommodate future development.

- ◆ Relevant Issues
 - ◆ I-5111: I-40 widening project
 - ◆ Development at US 70/White Oak intersection
 - ◆ Railroad crossing at Jones Sausage
 - ◆ 3 new Wake County Public Schools
 - ◆ Future of Timber Drive
 - ◆ Growth pressures in the Greenfield Industrial Park
- ◆ Main Study Components
 - ◆ Travel Demand Modeling and Analysis
 - ◆ Railroad Crossing on Jones Sausage Road
 - ◆ Connectivity
 - ◆ Development Access Review
 - ◆ Intersection of White Oak Road and US 70
 - ◆ Intersection of White Oak Road and Hebron Church Road
 - ◆ US 70 Business and I-40 Interchange
 - ◆ Pedestrian/Biking
 - ◆ Transit
- ◆ Smithfield: Interchange Analysis
 - ◆ Objective
 - ◆ Facilitate smooth traffic flow to reduce congestion nearby the outlet mall and Johnston Community College and to prepare for upcoming development east of I-95.
 - ◆ Relevant Issues
 - ◆ Market Street flooding
 - ◆ Access management
 - ◆ Interchange restructuring
 - ◆ Potential development east of I-95
 - ◆ Main Study Components
 - ◆ Railroad Bridge over US 70 Business (Market St)
 - Identify alternatives to help with flooding and congestion
 - ◆ US 70 Business (Market St)
 - Study for potential widening
 - ◆ I-95 and US 70 Business Interchange
 - Compressed diamond interchange in SPOT 4.0
 - Review existing TransModeler analysis
 - ◆ Connectivity Assessment
 - Review service road access to SE quadrant and planned NE quadrant access improvements
- ◆ Recommendation Development
 - ◆ Project Funding and Prioritization
 - ◆ Alex Rickard and James Salmons gave an overview of SPOT 4.0 results for the SEAS study area.
 - ◆ These websites show maps of funded projects:
 - ◆ <http://www.arcgis.com/home/webmap/viewer.html?webmap=cbo2f4f828974670ado1bb83beg1b18c>

- ◆ <http://ucprpo.maps.arcgis.com/apps/webappviewer/index.html?id=2eb25b17e9ec465688a233266a3c2926>
- ◆ Roadway Recommendations
 - ◆ Shapefiles have been compiled from the following sources to develop a project universe from which to derive recommendations for this study:
 - ◆ CAMPO 2040 MTP
 - ◆ CAMPO SPOT 4.0
 - ◆ UCRPO STIP
 - ◆ UCRPO P4
 - ◆ Johnston County
 - ◆ CTT Recommendations (from December 2015 meeting)
 - ◆ CTT members reviewed preliminary mapping of the project universe to provide additional clarification and recommendations.
- ◆ Bicycle and Pedestrian Recommendations
 - ◆ We are going to draw from existing bike/ped plans in the study area to identify critical gaps in the bike/ped network.
 - ◆ There will be a focus on the Mountains-to-Sea Trail corridor and spurs to connect to adjacent communities.
- ◆ Transit Recommendations
 - ◆ We are partnering with Nelson\Nygaard to analyze transit options in the study area.
 - ◆ The intent is not to redo any of the work that was done for Wake Transit, but rather to draw from it to support the transit component of this study.
 - ◆ Rail Service
 - ◆ Durham – Wake Commuter Rail service to Garner
 - ◆ Expand commuter rail east of Garner into Johnston County
 - ◆ Commuter rail station stops, and park-and-ride lots
 - ◆ Bus Service
 - ◆ All-day hourly bus service between Garner and Raleigh
 - ◆ Increase express bus services between towns and Raleigh
 - ◆ Local circulator in Garner
 - ◆ Expand local bus services
 - ◆ Demand Response Service
 - ◆ Increase service area for demand-response service in Wake County and Johnston County
 - ◆ Increase service for general public transportation
 - ◆ Transit-Supportive Policies
 - ◆ Density thresholds
 - ◆ Mixed-use and transit-supportive land uses
 - ◆ Pedestrian orientation
 - ◆ Access and connections
 - ◆ Transit infrastructure and amenities
- ◆ Stakeholder Exercise
 - ◆ CTT members brainstormed specific stakeholders to target for outreach in several broad categories:
 - ◆ Bicycle/Pedestrian/Transit
 - ◆ Real Estate Experts/Developers
 - ◆ Neighborhood Associations

- ◆ Economic Development/Chamber of Commerce
- ◆ Title VI/Special Interest Groups
- ◆ Scenario Planning Progress
 - ◆ Process
 - ◆ We are reaching the end of scenario development.
 - ◆ There are over 100,000 parcels in the SEAS study area, so getting their up-to-date land uses coded into CommunityViz has been no small task.
 - ◆ Having the updated CommunityViz model will be advantageous to the entire study area for purposes even broader than transportation. It can be used to analyze other development projects like water/sewer, and it can help us answer questions from elected officials about what level of growth we anticipated in a certain area.
 - ◆ The 30 place types can also be shown as five overarching pattern (or primary) types:
 - ◆ Rural
 - ◆ Suburban
 - ◆ City & Town
 - ◆ Industrial
 - ◆ Special
 - ◆ The following steps were taken to establish the baseline of current plans:
 - ◆ Started with Imagine 2040
 - ◆ Incorporated changes to local plans
 - ◆ Verified through meetings / calls
 - ◆ Collaborated with TJCOG
 - ◆ Merged with 2015 parcels
 - ◆ Scenarios
 - ◆ Current
 - ◆ A business-as-usual condition that represents adopted plans, programs, and policies in the study area
 - ◆ A map of the study area based on current plans was shown.
 - ◆ Dispersed
 - ◆ A condition that focuses on auto-centric growth and investment along major corridors
 - ◆ A map of the study area based a dispersed scenario was shown.
 - ◆ Compact
 - ◆ A condition that focuses on existing downtowns and the creation of new mixed-use centers
 - ◆ This approach emphasizes rural preservation by keeping development centered around municipal areas.
 - ◆ A map of the study area based on a compact scenario was shown.
 - ◆ Blended
 - ◆ A hybrid of the dispersed and compact scenarios
 - ◆ We will develop the blended scenario with input from the CTT, following scenario testing.
 - ◆ Next Steps for Scenario Planning
 - ◆ Next time we will report back about the results of scenario testing.
 - ◆ Feel free to reach out to John Hodges-Copple or Ben Bearden with questions about the model.