Chapel Hill transit

Get on Board!

NORTH SOUTH BUS RAPID TRANSIT

Chapel Hill transit

NORTH SOUTH BUS RAPID TRANSIT

www.nsbrt.org

STATION AREA DESIGN & LAND USE DEVELOPMENT WORKSHOPS

July 12 – 15, 2019

Today's Agenda:

- Introductions
- Overview of TSD Study & Schedule this Weekend
- Food for thought: Station Area Design
- DISCUSSION: Design of N-S BRT Station Areas
- Public Input / Comments
- Next Steps

NORTH SOUTH BUS RAPID TRANSIT

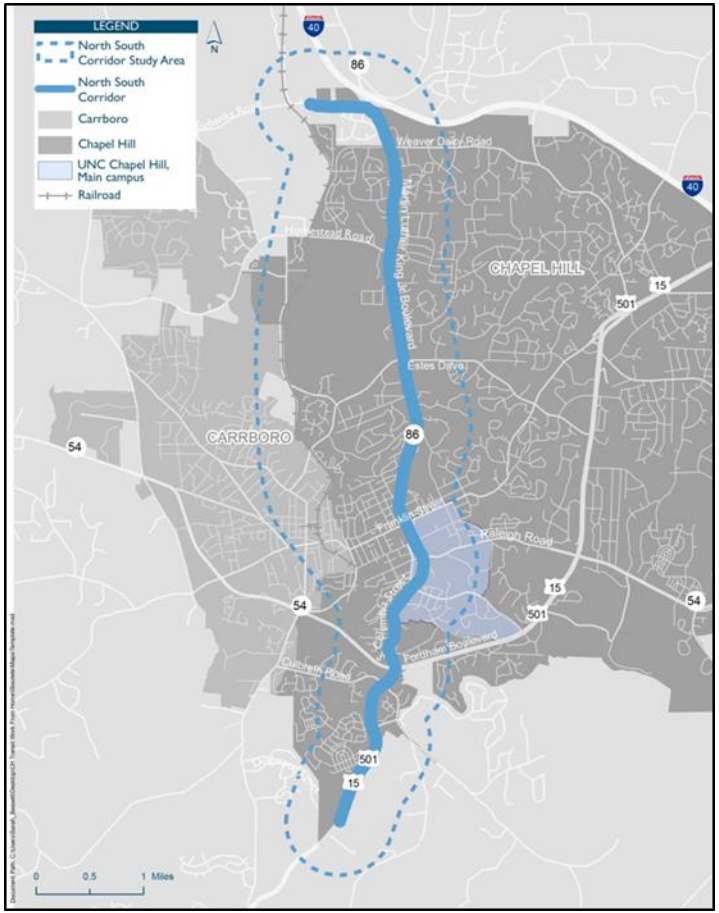
www.nsbrt.org

REVIEW OF NORTH-SOUTH BRT PROJECT

BRT Context and Vision

Prepares the Town and funding partners to meet mobility demand as the region continues to grow:

- Current system close to maximum capacity
- Proposed system provides a long-term, scalable solution for residents and visitors
- Connects to regional transit options
- Supports current and planned development in the corridor with a multi-modal system that serves cyclists, pedestrians and other users

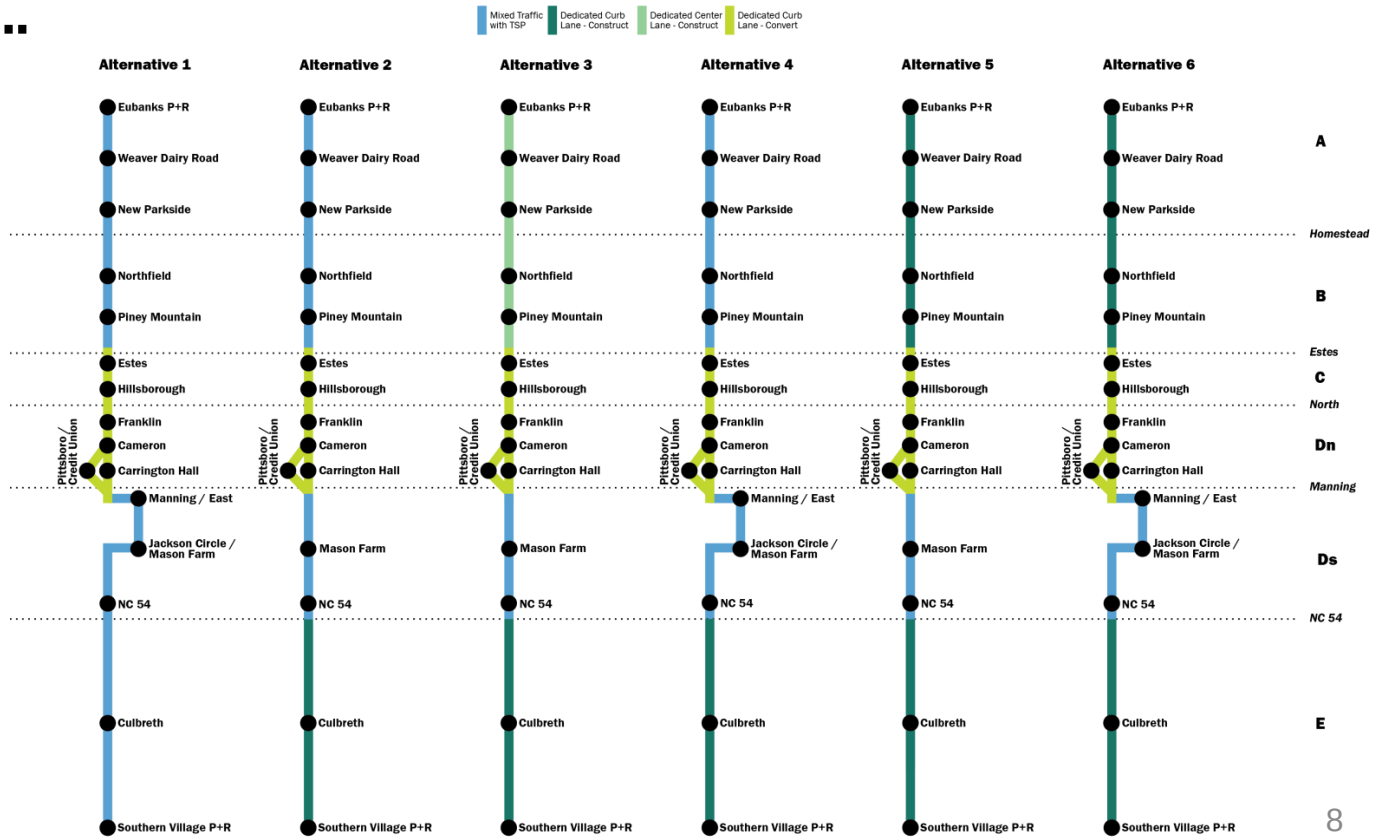


Technical and Policy Committees

Policy Committee

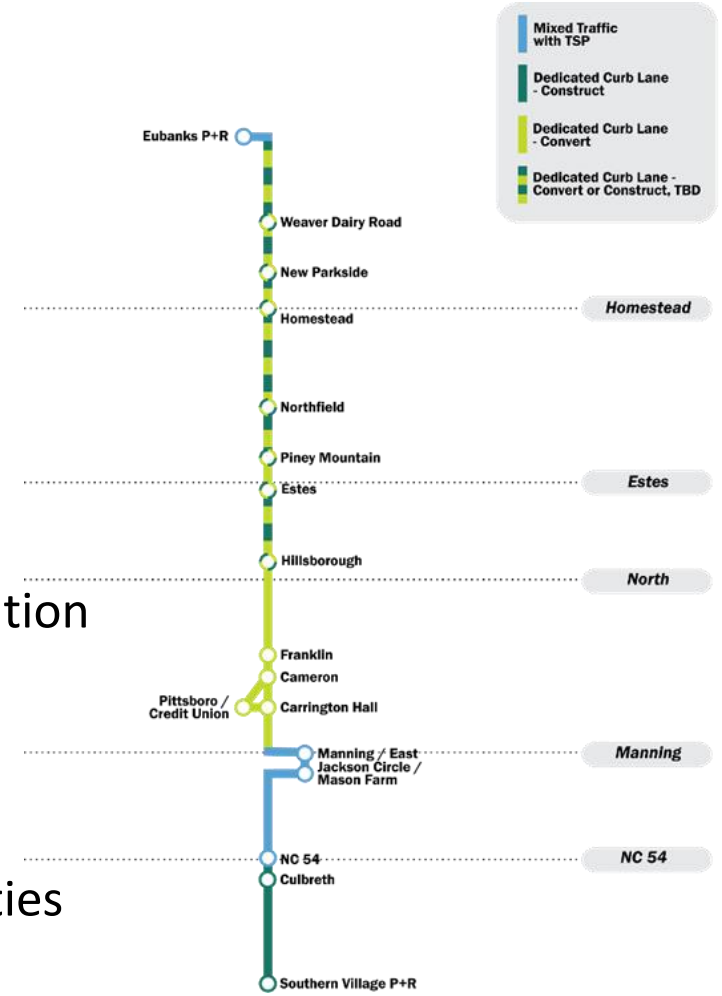
Michael Parker	Chapel Hill Town Council
Mark Dorosin	Orange County Board of Commissioners
David Andrews	Carrboro Town Manager
Anna Wu	UNC - Associate Vice Chancellor for Facilities Services
Felix Nwoko	DCHC MPO
Katie Loovis	Chapel Hill-Carrboro Chamber of Commerce
Melissa McCullough	Planning Commissioner Representative
Hanna Cockburn Evan	NCDOT - Director, Public Transportation Division
Chuck Edwards	NCDOT - District Engineer
Matt Gladdek	Downtown Partnership
Donnie Rhoads	Town of Chapel Hill Bike and Pedestrian Committee
Damon Seils	Town of Carrboro Transportation Advisory Board
Josh Kastrinsky	Transportation and Connectivity Advisory Board
Cheryl Stout	UNC – Director of Transportation and Parking
Evan Yassky	UNC - Facilities Planning and Design
Dwight Bassett	Economic Development
Vence Harris	Town of Chapel Hill Emergency Manager
To be added	Housing Advisory Board
Susan Dancy	Community Design Commission
John Wallace	Environmental Stewardship Advisory Board
To be added	Planning Commission
David Schwartz	Historic District Commission
Bob Warren	EZ Rider Advisory Committee
Dave Pcolar	Bicycle Alliance of Chapel Hill

In the beginning...

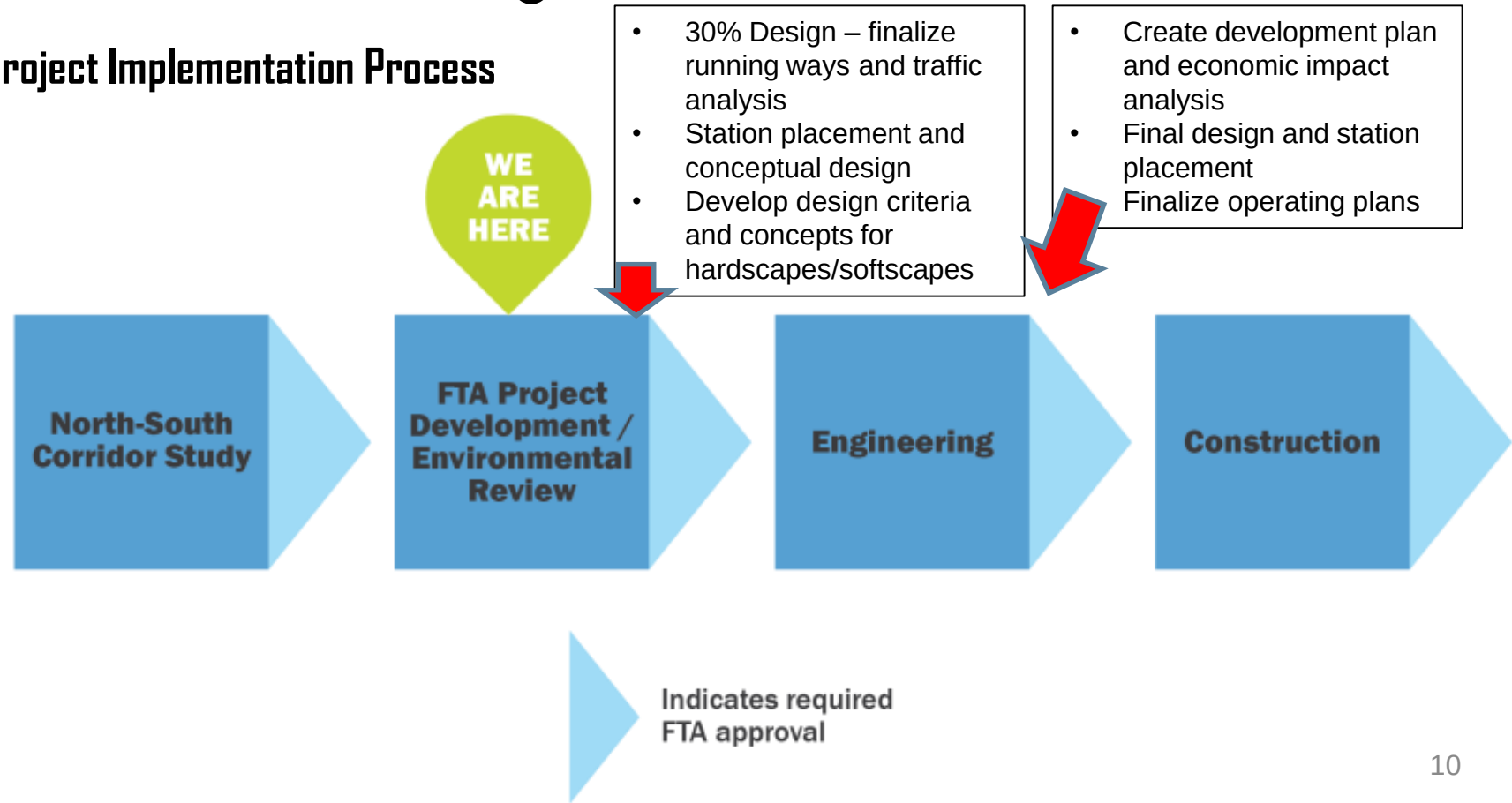


Current Status

- Currently in FTA Project Development
  - Includes 30% Design & Environmental
- 30% Design
  - Further defining alignment and specific station locations from the initial Locally Preferred Alternative (LPA)
  - Traffic analysis
  - Integration of bicycle and pedestrian facilities
  - Station area analysis



Federal Project Implementation Process



8.5K Daily Ridership - Scale of Magnitude Example

Dean Smith Center
Capacity 21,750

Cameron Stadium
Capacity 9,314

Project Schedule – next 12 months

- Spring 2019: evaluate BRT Transit Oriented Development Opportunities
- Late Summer 2019: draft 30% Design Plans are handed over to the NEPA team
- Late Summer/Fall 2019: finalize non-Small Starts funding
- Late Summer/Fall 2019: 30% Design Plans are finalized, based on FTA feedback
- **September 2019: Apply for rating with FTA**
- Fall/Winter 2019: NEPA document is published for review
- Spring 2020: Finding of No Significant Impact (FONSI) issued, completing the NEPA review process.

Planned 2023: The North-South Corridor BRT would open for revenue service.

What's Happening this Summer?

- Finalize Traffic Analysis
- Conduct Market and TOD Study
  - **Community Input Sessions and Design Charrettes July 12 - 15**
- Develop construct vs convert recommendation for northern portion
- Draft 30% design
- Complete Environmental Analysis

Chapel Hill transit

NORTH SOUTH BUS RAPID TRANSIT

www.nsbrt.org

TSD AND DESIGN STUDY

Goals of the TSD Study

- Engage stakeholders in the development of a TOD framework plan, including members of the Town Council, neighborhood interest groups, and the general public
- Promote attractive and functional urban design along the NSBRT corridor and in the areas around the proposed NSBRT stations
- Introduce Complete Streets planning principles to wider station area planning, in addition to the planning and design under way for the NSBRT alignment itself
- Understand the types of development which may be compatible with urban design aspirations and may be feasible in the context of current real estate market conditions

Goals of the TSD Study

- Understand the locations – from a land use compatibility and real estate market perspective – for the corridor potentially to host new affordable housing
- Articulate station area and TOD planning principles for consideration and integration with the Town's concurrent Future Land Use planning process
- Develop an implementation plan to undertake more detailed transit and TOD-supportive plans in station-area and the corridor, including such topics as economic development strategies, site master plans, detailed market analyses, public-way and urban design concept plans, and administrative codes.

What do we mean by TSD?

- Four Foundational Principles:

1. Development around transit that is appropriately **dense and compact**, to support transit, bikes, and pedestrians
2. A **rich mix of land uses** — housing, jobs, retail, and civic destinations, creating real places and expanding ridership
3. A **great public realm** — sidewalks, plazas, bike paths, buildings that work at ground level
4. A **fresh approach to parking** — less of it; shared wherever possible; sensitively located and designed

Where does TSD happen?

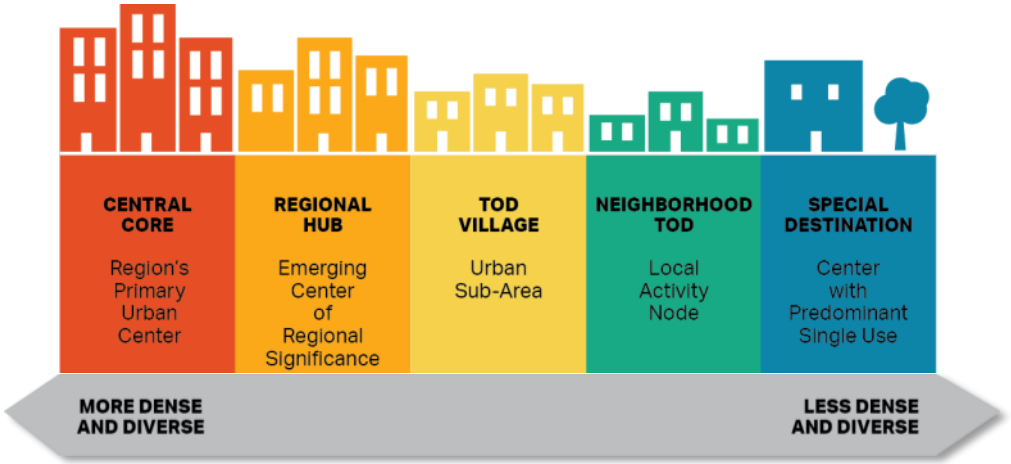
- At the *region* level: plans, policies, and strategies
- At the *corridor* level: transit planning and design
- At the *station* level: TOD Plans
- At the *parcel* level: individual TOD project

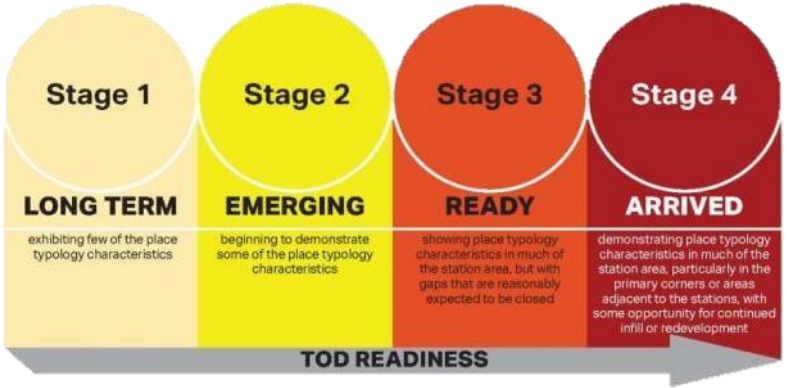
Viva BRT, York, Ontario

TSD Study Work Plan

1. **Develop TSD Typology Framework**
   - Define Appropriate Character Typologies
   - Collect Metrics to Assign Typologies to Corridor Segments and Stations
2. **Conduct Urban Design Engagement**
   - Multi-Day Workshop
3. **Identify an Implementation Plan for Achieving TSD**
   - Assess TSD Readiness and Implementation Needs
   - Organize Implementation Action Items
   - Project Plan Document

TSD Typology: Austin, TX





Components of the Plan

Chinatown Station | MetroRapid 801

FACTS	Segment	North
	Service Open	2014
	Target Weekday Ridership	320-480
	Profile Date	2016
PLACE TYPOLOGY	**Neighborhood TOD**	
READINESS SCORE	**Long-Term**	
READINESS METRICS	Connectivity	Low
	Market Strength	Medium
	Land Availability	Medium
	Government Support	Low

NEEDS

Safety and security
- Lighting needed in parking lots, along sidewalks, at crosswalks, at stations
- Physical connection to commercial businesses

Streetscape improvements
- Major sidewalk improvements on both sides of North Lamar
- Define clear bike/pedestrian paths through parking lots (grid)
- Pedestrian crossing at Kramer Ln
- Buffer/physical separation for bike lanes
- Reduce setback requirement so development occurs closer to right-of-way line

(Re)development opportunities
- Redevelopment opportunity for strip commercial on west side north Lamar and east side of Lamar/north of Kramer Lane
- Setbacks and code requirements revisited to allow for more urban/ suburban redevelopment/ infill closer to North Lamar
- Infill opportunity for Chinatown plaza

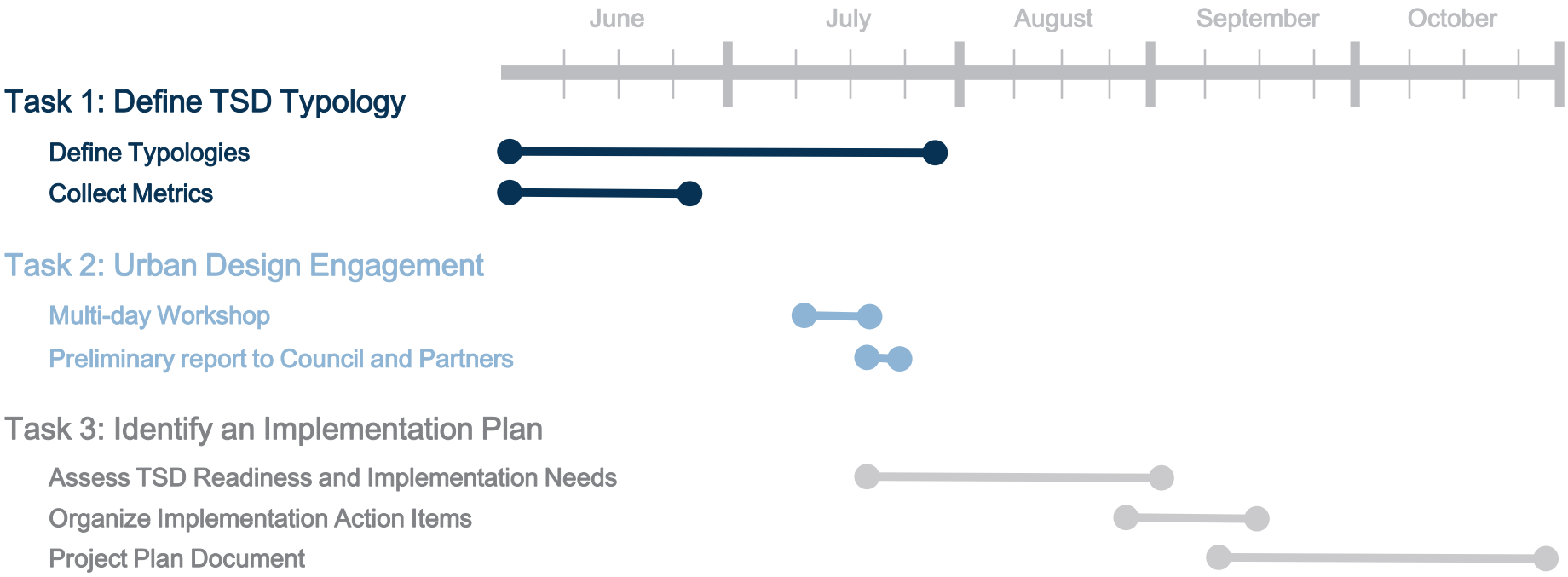
Station amenities
- Shade: trees or shade structure
- Pedestrian scale streetlights needed
- Increase separation between waiting area and vehicular lanes

Other amenities
- Low- to medium-density residential, commercial areas
- St. Marks Wildflower Meadow
- Wayfinding to note areas within a "10 minute walk"

Public/placemaking/art opportunity
- Limited placemaking opportunity
- Potential for functional art, existing art at Chinatown plaza
- Safe design

CATALYST PROJECTS
- North Lamar Blvd and Burnet Rd Corridor Improvements (Public Works)
- 2012 Bond ADA Sidewalks - Street and Bridge (Public Works)
- N Lamar-Parmer to 183 Sidewalk (Public Works)
- Wastewater Relay And Spot Rehab (Water)

Schedule for BRT TSD Study



This Weekend: Station Area Design Workshops

Council Chambers:

- Town Council Work Session: Friday, July 12, 9 - 11am
- Town Council Presentation: Monday, July 15, 5:30 - 6:45pm

Franklin Hotel (311 Franklin St):

- Community Input Session: Saturday, July 13, 10am -12pm
- Public Q&A / Open House / Focus Groups: Friday, Saturday, and Sunday between 1- 5pm

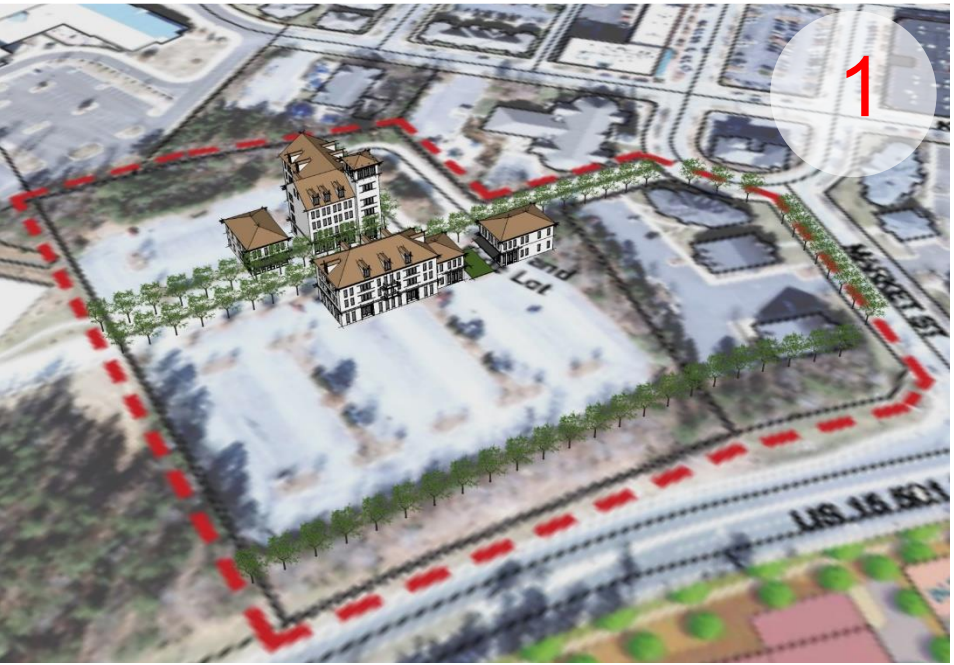
Sat July 13, 10am-12pm: Community Input Session

Friday, Saturday, Sunday: Open House & Focus Groups

Franklin Hotel (311 Franklin St)

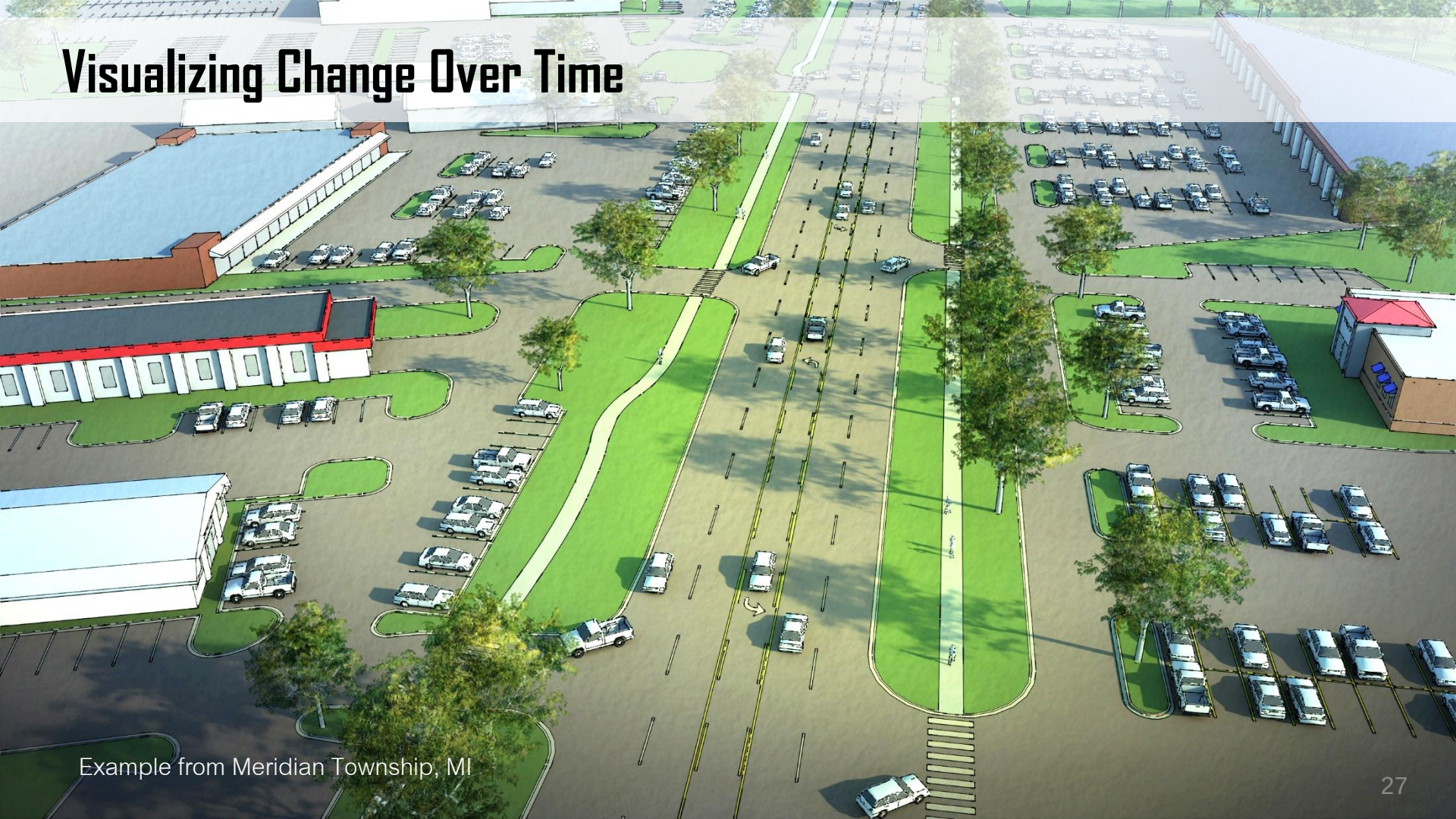
Drop-in between 1-5pm

Previous Design Studies (2015)



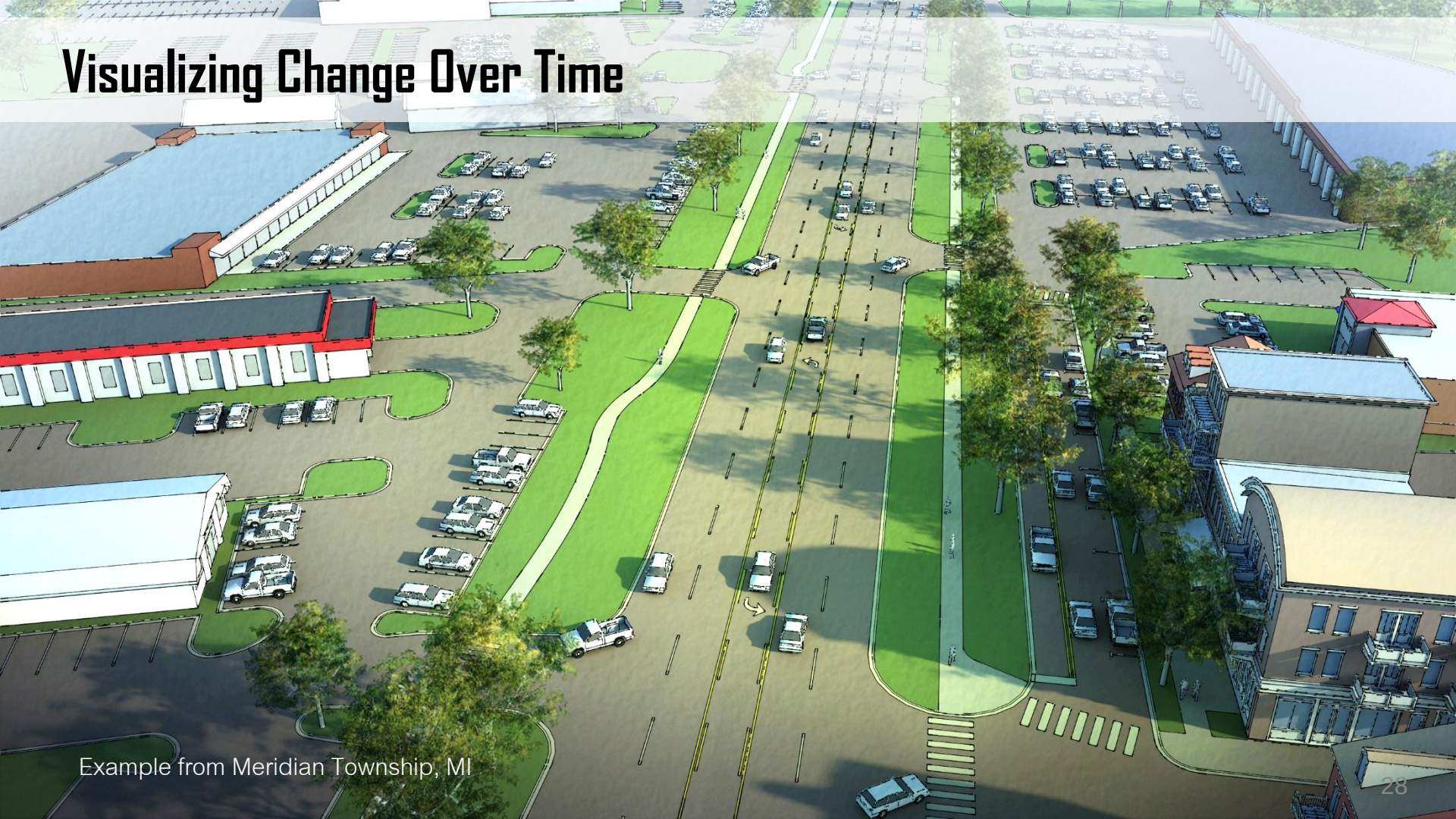
Southern Village Park and Ride Lot, Preliminary Site Studies

Visualizing Change Over Time



Example from Meridian Township, MI

Visualizing Change Over Time



Example from Meridian Township, MI

Visualizing Change Over Time

Example from Meridian Township, MI

NORTH SOUTH BUS RAPID TRANSIT

www.nsbrt.org

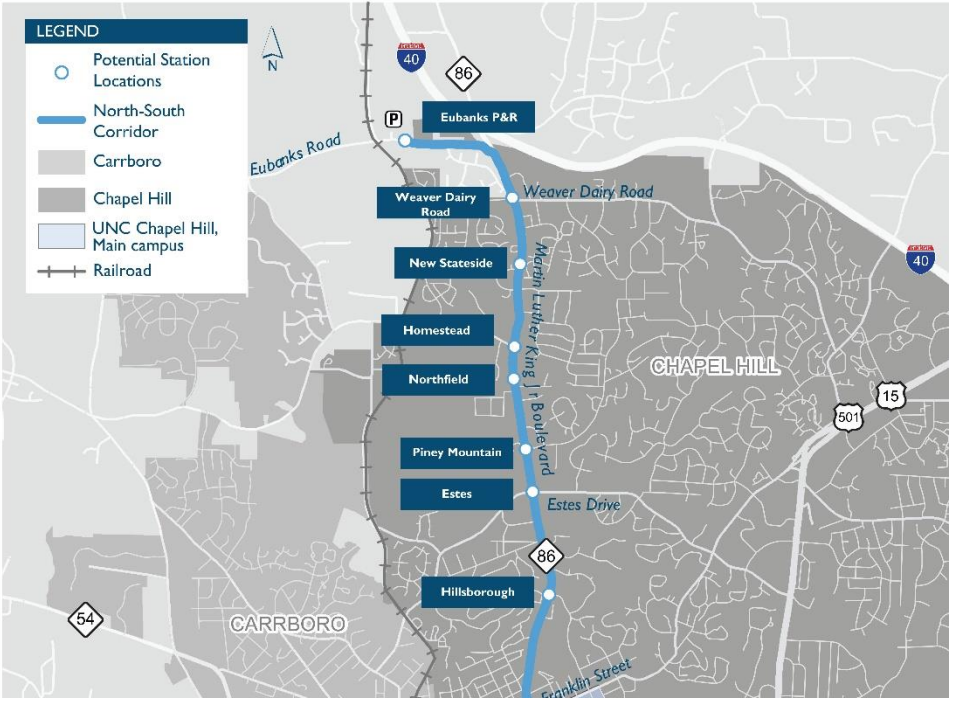
DISCUSSION:
DESIGN OF N-S BRT STATION AREAS

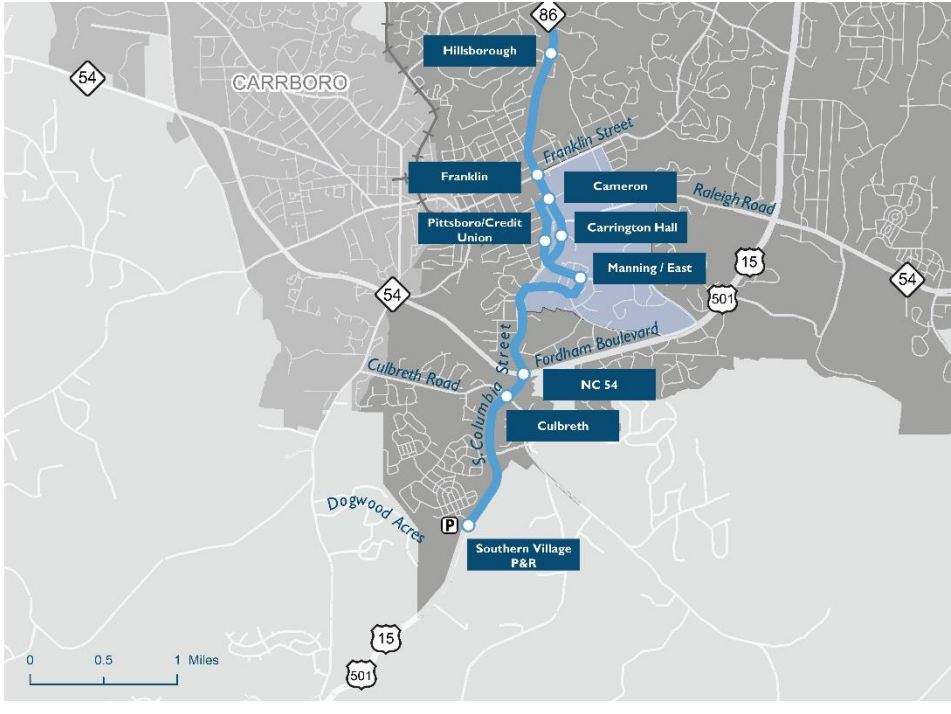
Chapel Hill transit

NORTH SOUTH BUS RAPID TRANSIT

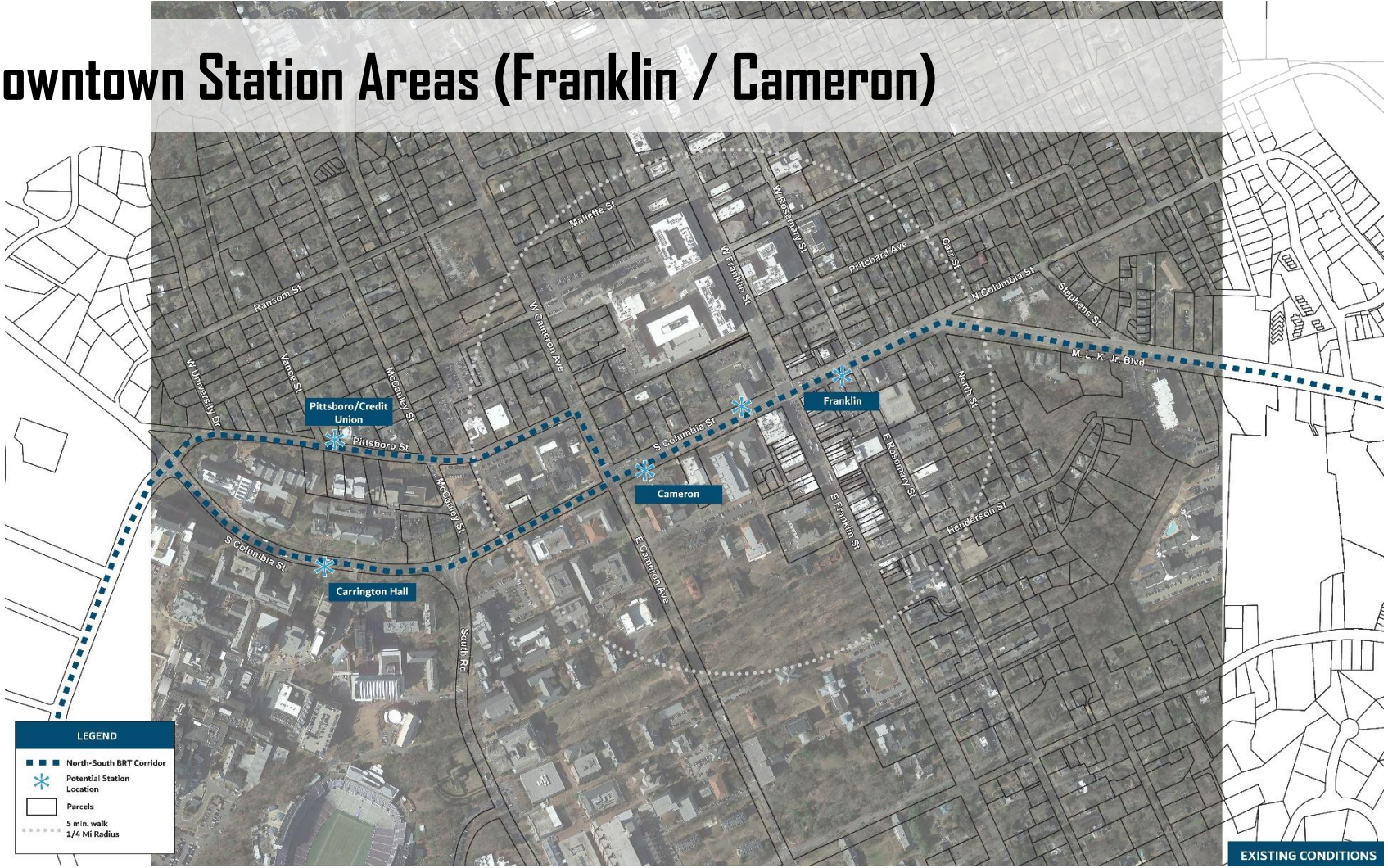
www.nsbrt.org

N-S BRT Station Areas

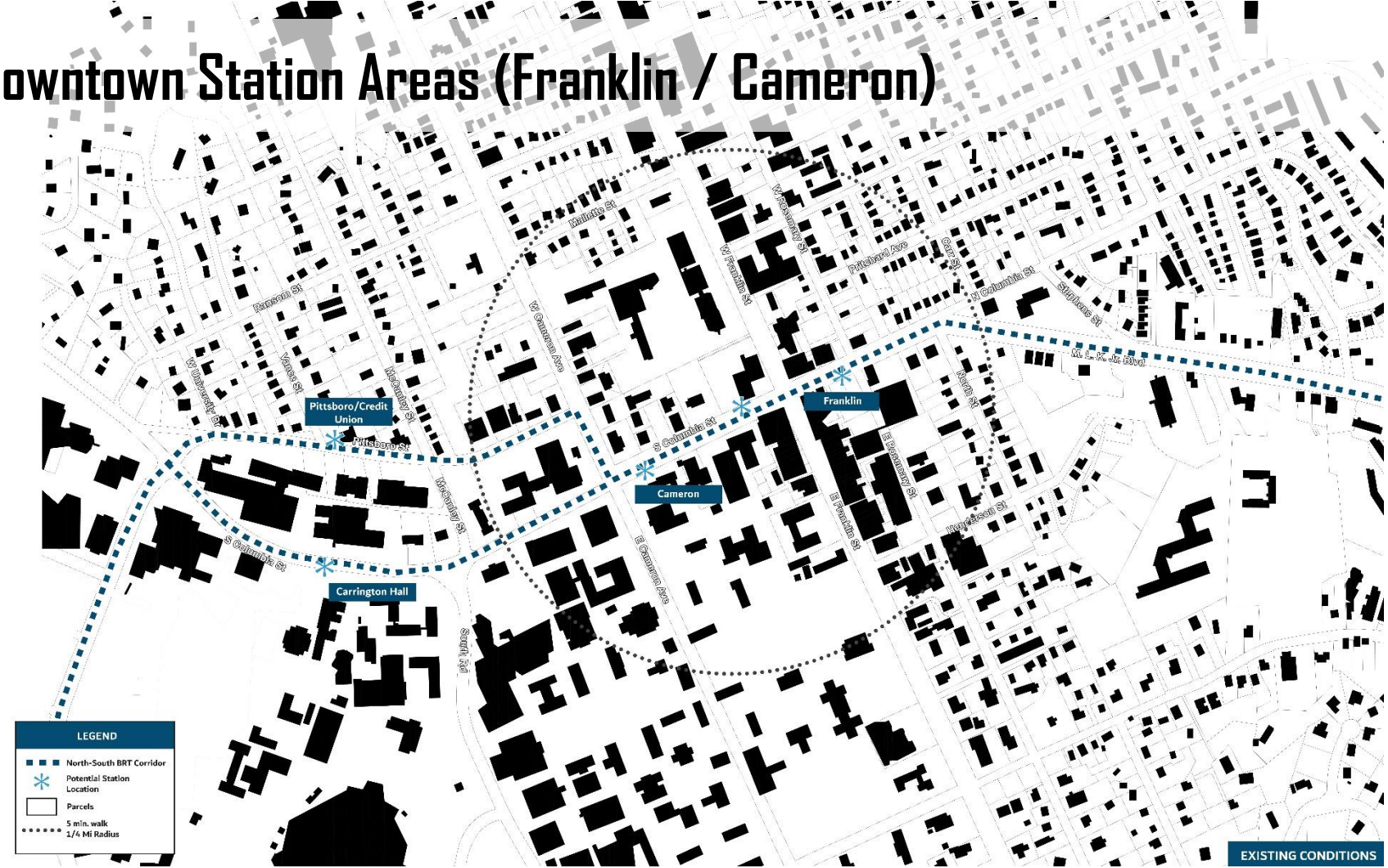




Downtown Station Areas (Franklin / Cameron)

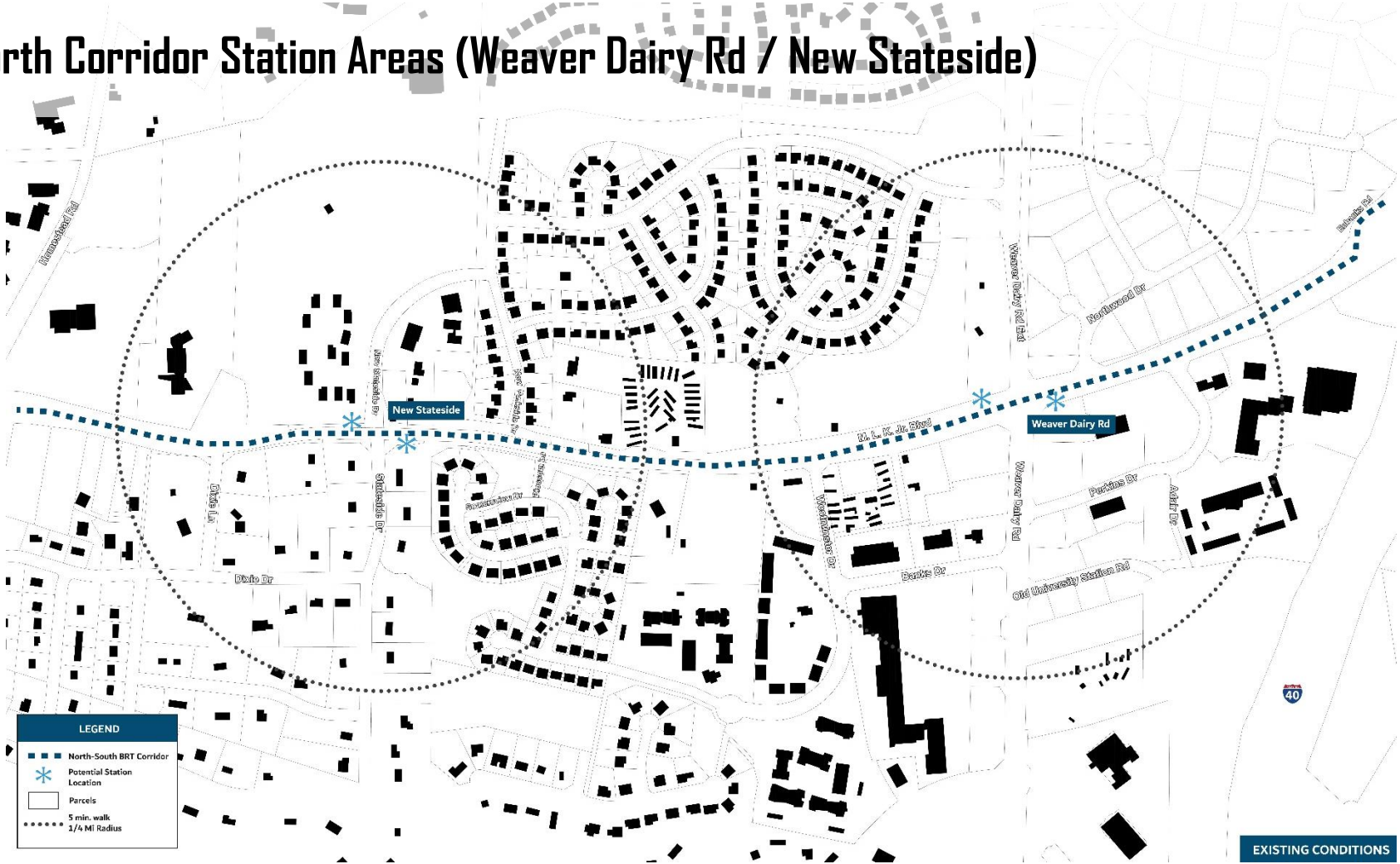


Downtown Station Areas (Franklin / Cameron)

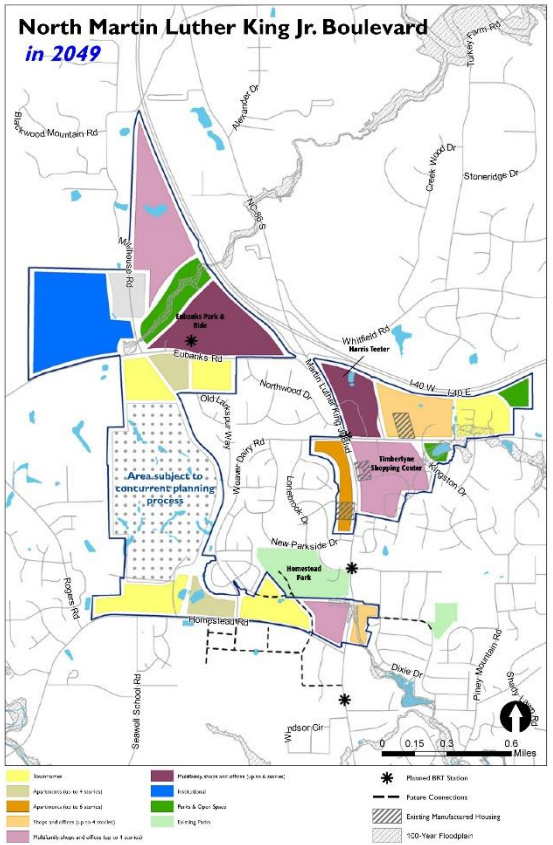


North Corridor Station Areas (Weaver Dairy Rd / New Stateside)

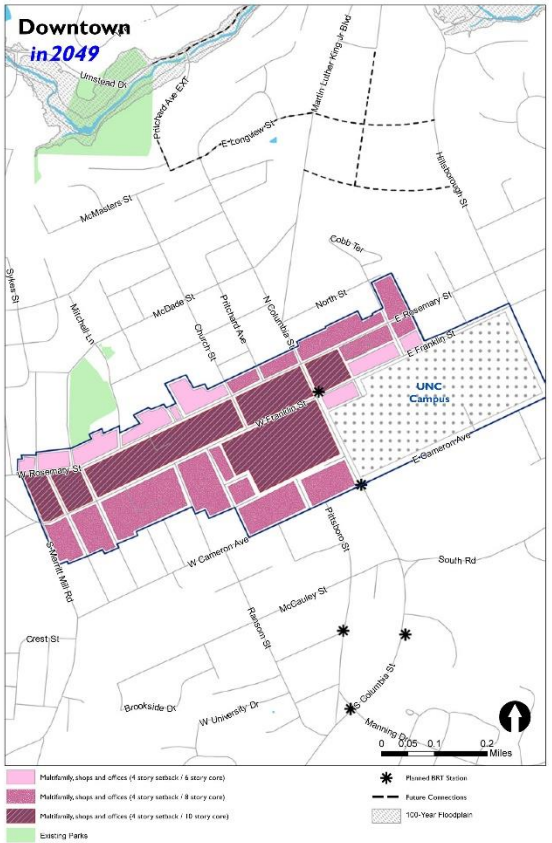
North Corridor Station Areas (Weaver Dairy Rd / New Stateside)



Draft Focus Area Blueprint Maps (Charting Our Future)



DRAFT



DRAFT

What opportunities are you most excited about?

What are your concerns?

What existing public realm features (buildings, infrastructure, natural features) should remain in the long term future?

What uses are missing?

Is it easy to walk or bike? Where are better (ped, bike, vehicular) connections needed near proposed stations?

What kinds of buildings?
What kinds of public spaces (squares, parks, plazas)?

NORTH SOUTH BUS RAPID TRANSIT

www.nsbrt.org

PUBLIC INPUT / COMMENTS

Chapel Hill transit

NORTH SOUTH BUS RAPID TRANSIT

www.nsbrt.org

NEXT STEPS

This Weekend: Station Area Design Workshops

Council Chambers:

- Town Council Work Session: Fri July 12, 9-11am
- Town Council Presentation: Mon July 15, 5:30-6:45pm

Franklin Hotel (311 Franklin St):

- Community Input Session: Sat July 13, 10am-12pm
- Public Q&A / Open House / Focus Groups: Fri, Sat & Sun, between 1-5pm