

DOWNTOWN CORRIDOR CONCEPTUAL MASTER PLAN

City of Clemson, South Carolina

Final Presentation | February 15, 2018



TODAY'S AGENDA

- Project Vision + Goals
- Study Area + Existing Conditions
- Project Development
- Master Plan Recommendations
- Next Steps

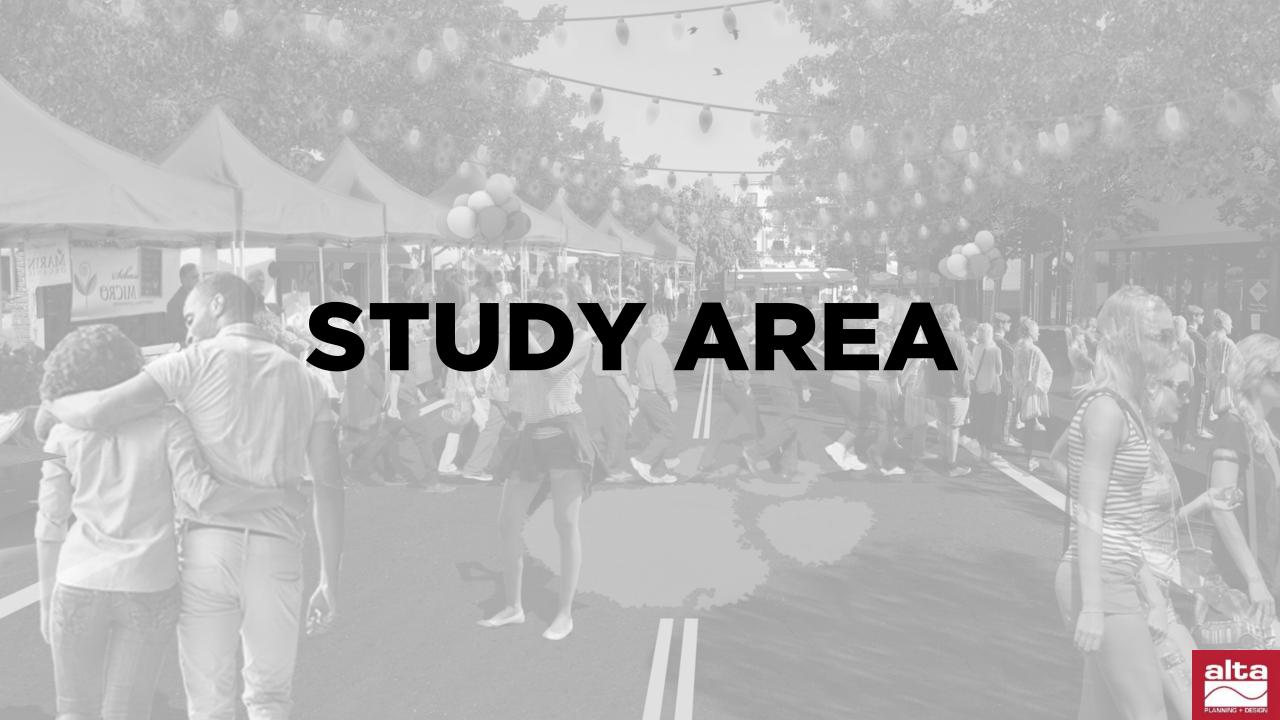




PROJECT VISION + GOALS

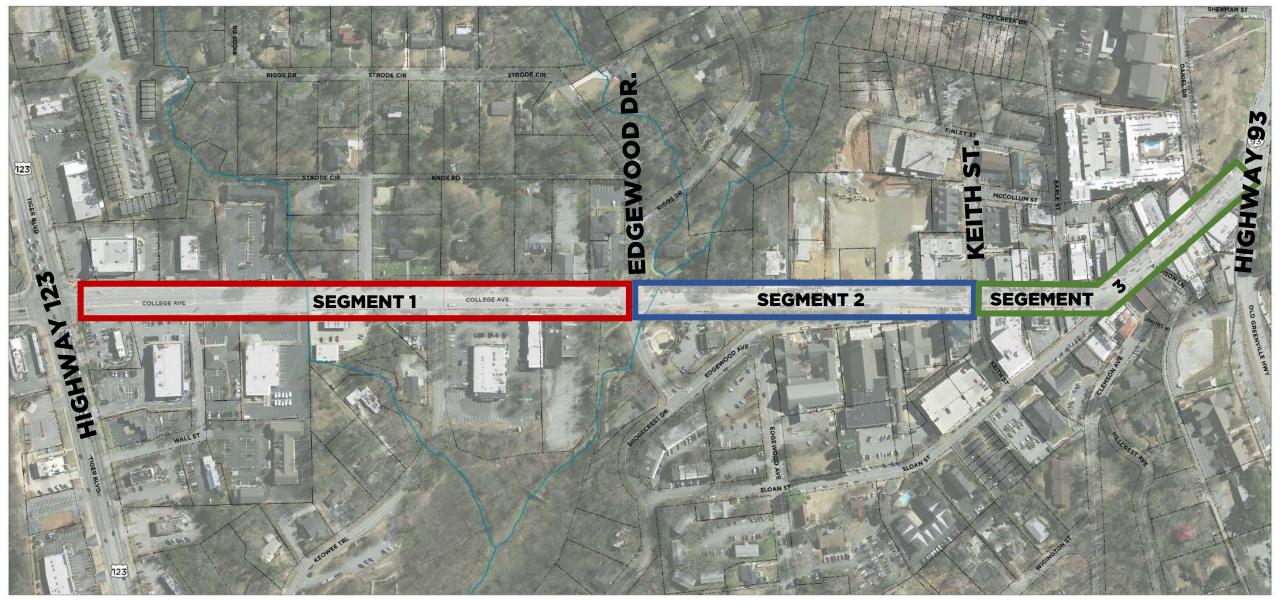
- ADA Accessibility
- Bicycle and Moped Parking
- Manage Traffic Volumes and Speeds
- Deter Cut Through Traffic
- Multi-Modal Connectivity to Clemson University
- Wider Sidewalks
- Make Downtown Core Pedestrian/Bicycle Friendly
- Improved Relationships Between Buildings and Street
- Development of a Realistic, Buildable Plan









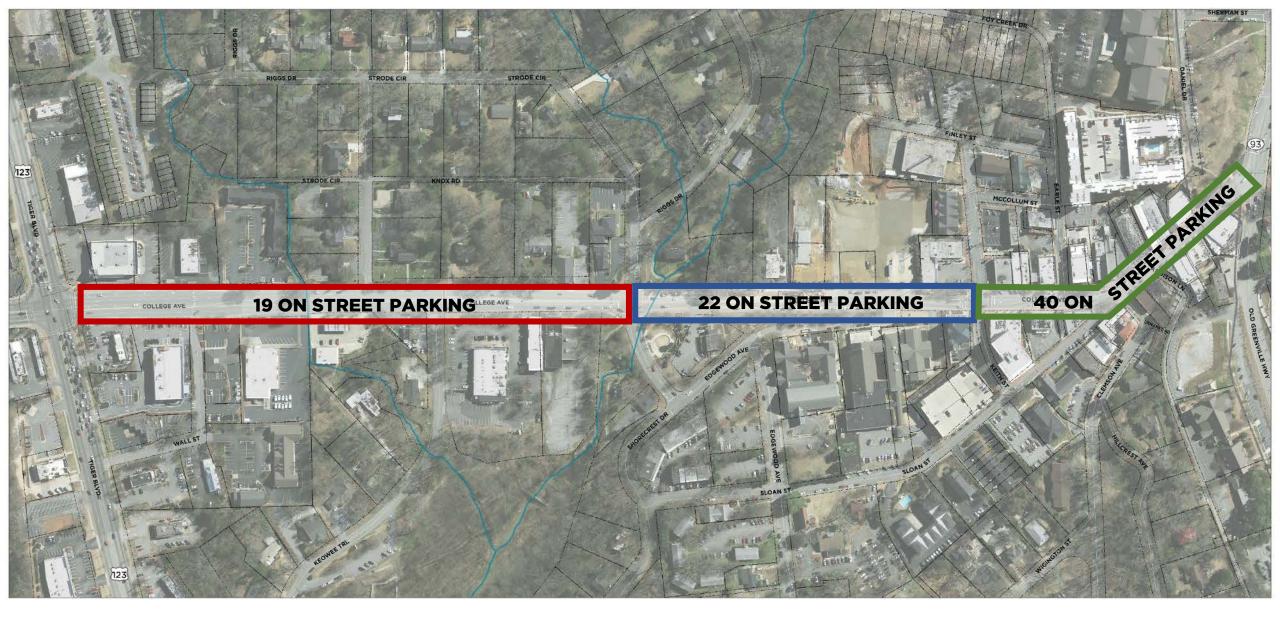


SEGMENT 1: Highway 123 to Edgewood Drive

SEGMENT 2: Edgewood Drive to Keith Street

SEGMENT 3: Keith Street to Highway 93 (Bowman Field)





TOTAL ON STREET PARKING SPACES: 81







SEGMENT 1: Highway 123 to Edgewood Drive

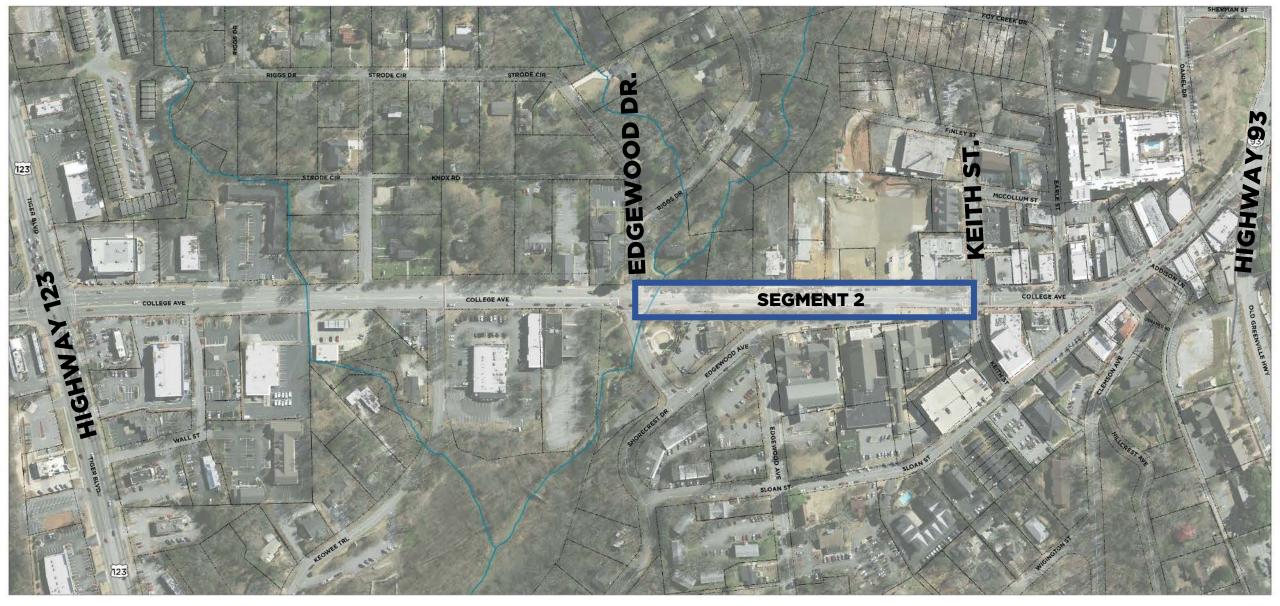












SEGMENT 2: Edgewood Drive to Keith Street









SEGMENT 3: Keith Street to Highway 93 (Bowman Field)



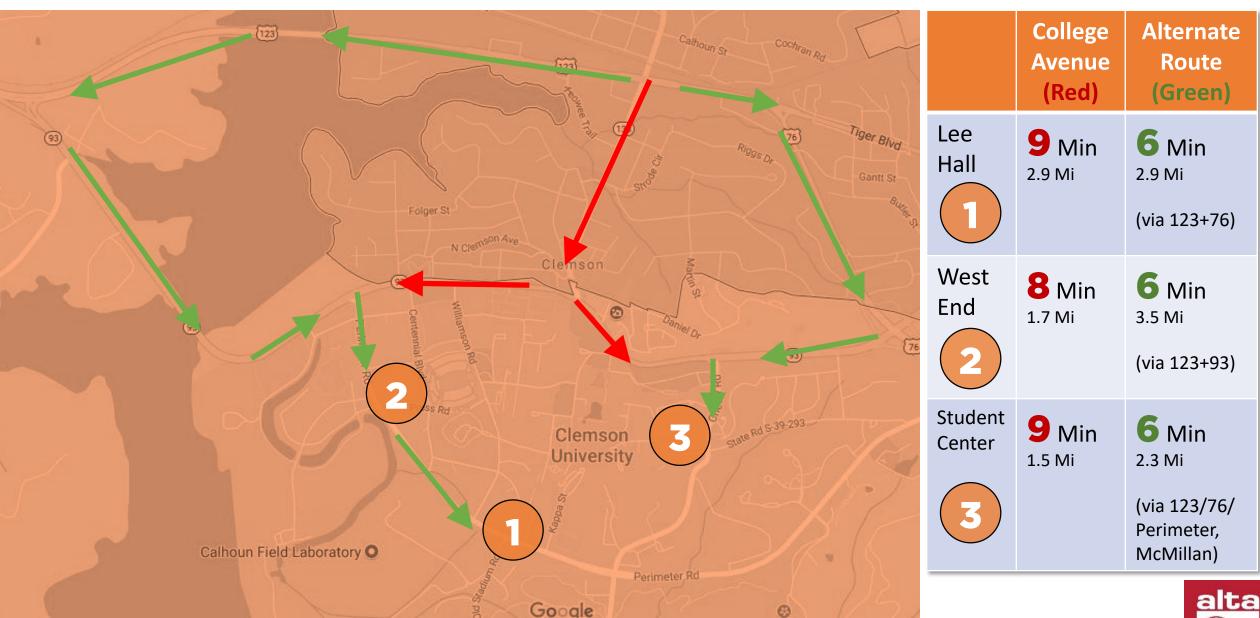








TRAFFIC FLOW





ADJACENT PLANS



Construction Summer '18

10' Shared-Use Path

Raised Intersection

Pedestrian Scramble Phase Signalization

Right Turn Lane onto College Removed



ADJACENT PLANS

Parking deck placement TBD

Need of 100-200 additional parking spaces downtown

Opportunity to integrate mixed use and green space

College Ave recommendations are dependent on new deck

Still in planning phase with LS3P

Recommended access to/from Highway 93



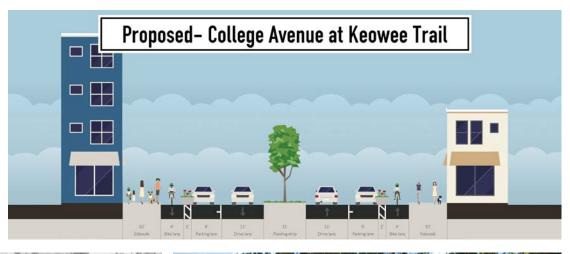




SEPTEMBER 28, 2017







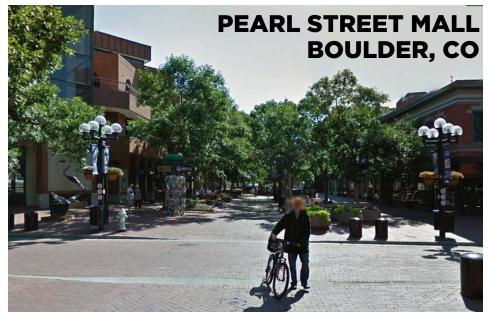




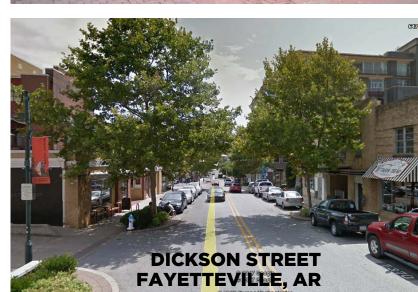


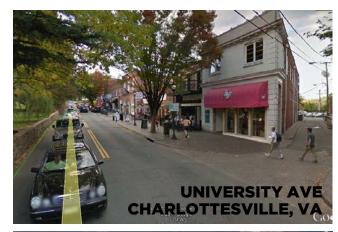


CASE STUDIES

















OVERALL PLAN





OPTION 1



- All parking remains
- Angled Spaces converted to back in
- Sidewalks remain existing width
- 4. Shared lanes from Keith to 93 via sharrows
- 5. Crosswalk improvements



OPTION 2



- I. Some parking remains
- Angled Spaces converted to back in
- 3. Sidewalks widen at areas that parking is removed
- 4. Shared lanes from Keith to 93 via sharrows
- 5. Crosswalk improvements
- 6. Street trees replaced



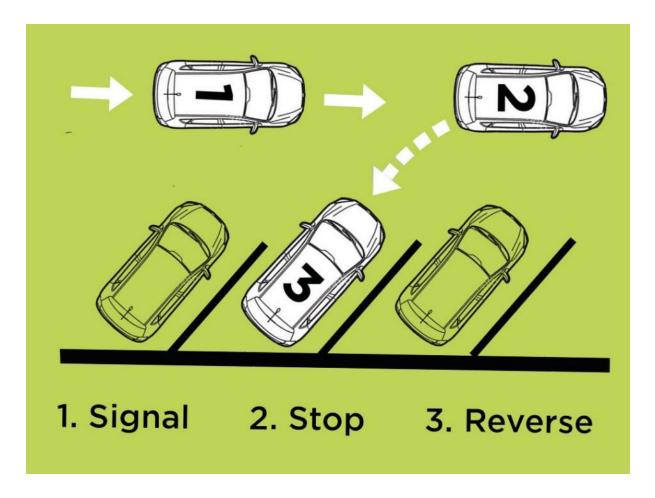
OPTION 3

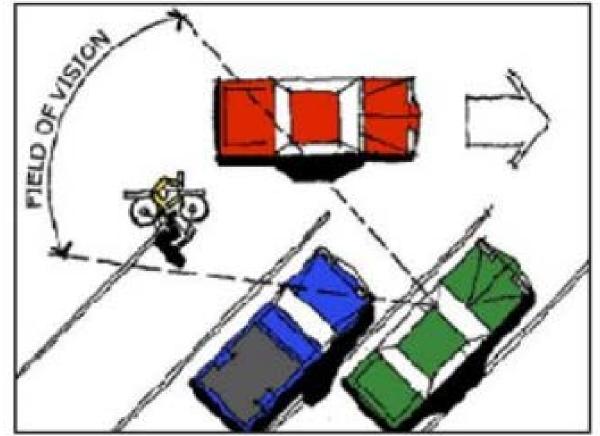


- I. All parking removed
- Sidewalks widen down entire corridor
- 3. Shared lanes from Keith to 93 via sharrows
- 4. Crosswalk improvements
- 5. Turning lane at93 removed
- 6. Street trees replaced



BACK IN PARKING







MEETINGS

- September 19th, 2017
 - Public Input Session #1
- September 28th, 2017
 - Charrette
- October 23th, 2017
 - Public Input Session #2
- December 6th, 2017
 - Public Input Session #3
- February 15th, 2018
 - Public Input Session #4









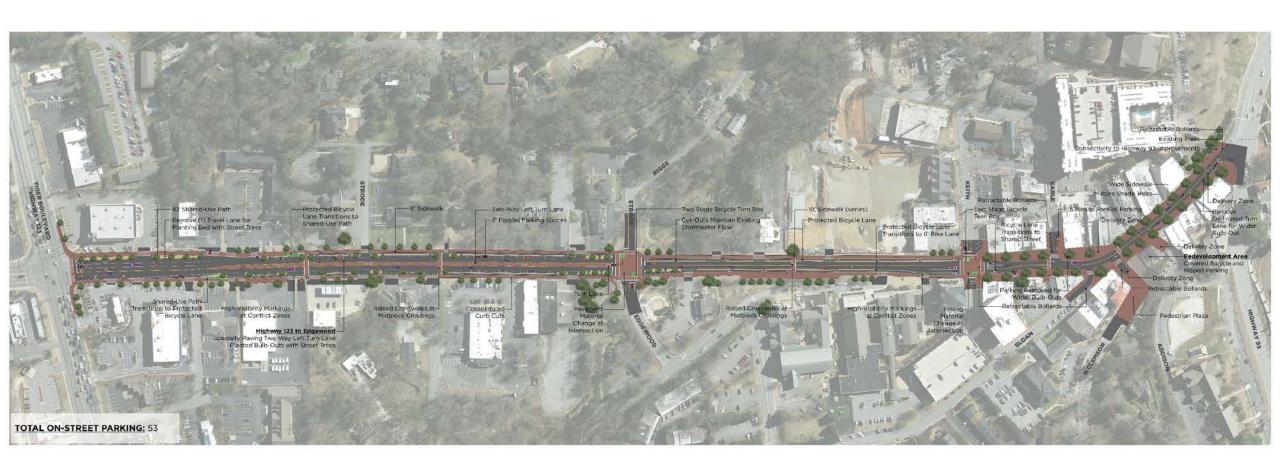








OVERALL PLAN



TOTAL ON STREET PARKING SPACES: 53

(total loss of 28 spaces)

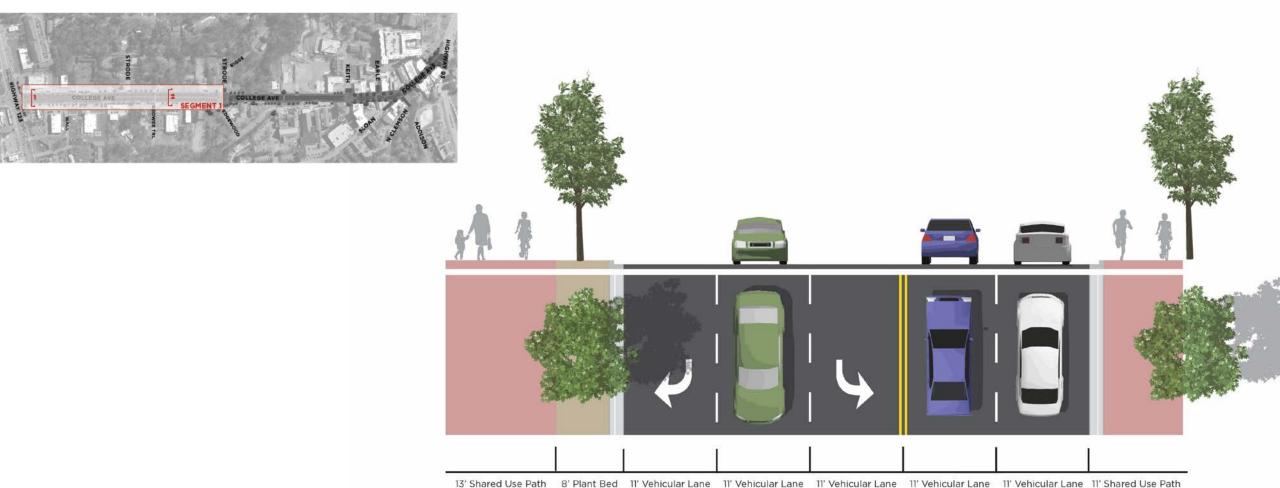
WHERE'S THE PARKING?

- 40 spaces Keith to 93
- + 12 spaces 123 to Keith





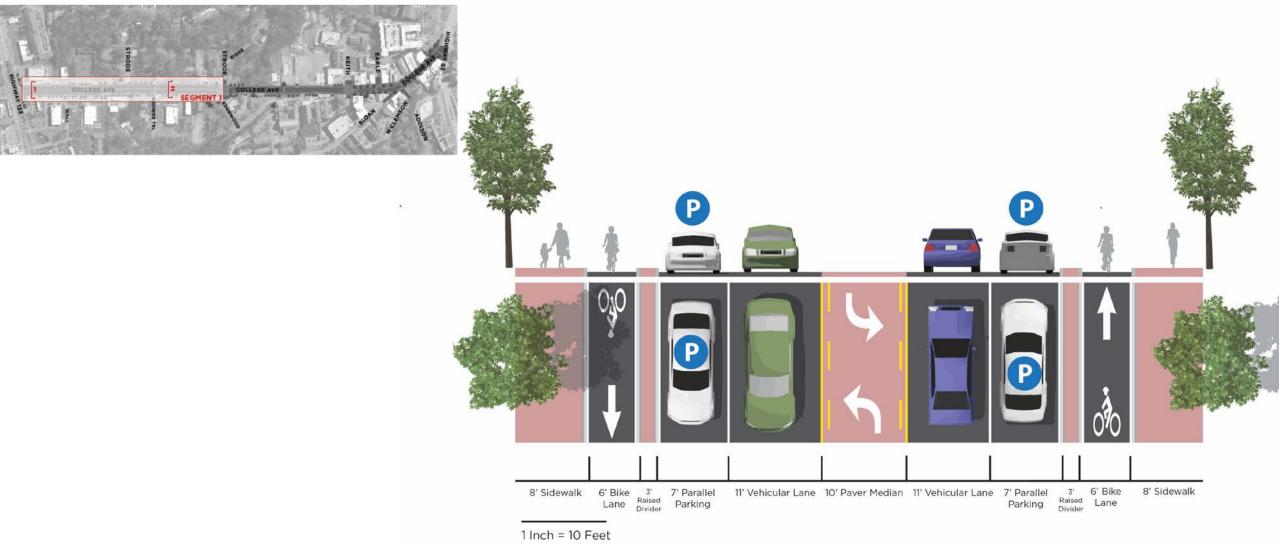




1 Inch = 10 Feet







SECTION 2



BUFFER GUIDANCE

Hardscape





Planters





Planted













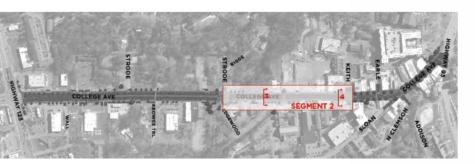


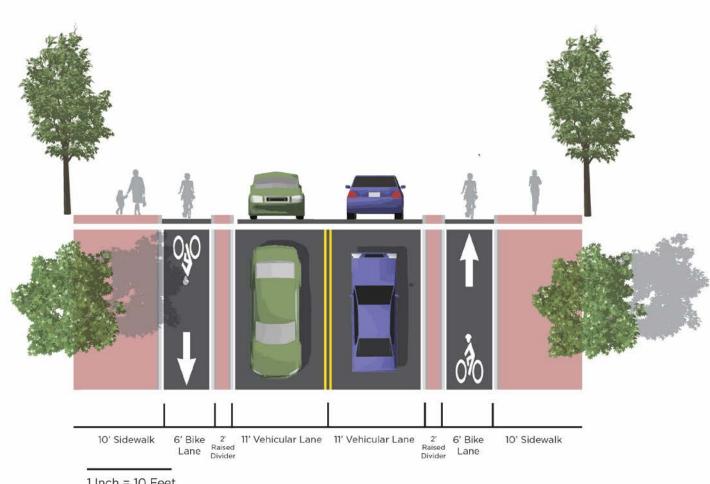












1 Inch = 10 Feet













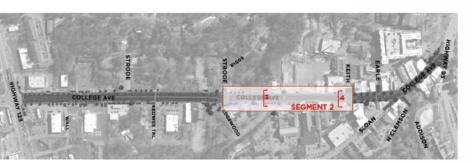


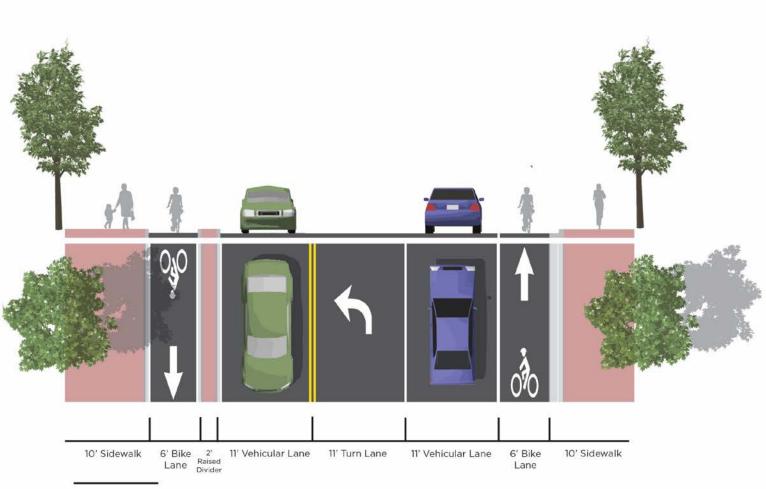












1 Inch = 10 Feet

























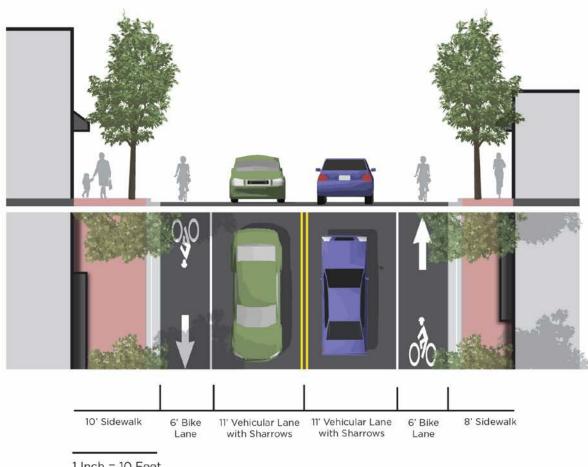




SECTION 5







1 Inch = 10 Feet























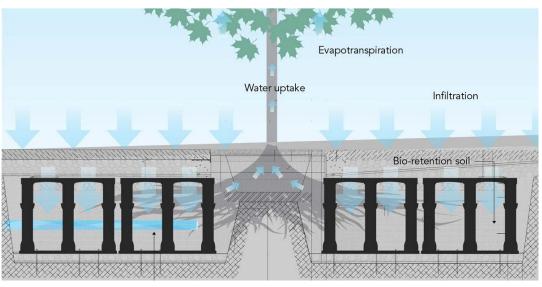


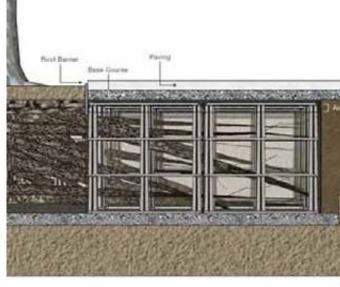




TREE INSTALLATION: Silva Cells



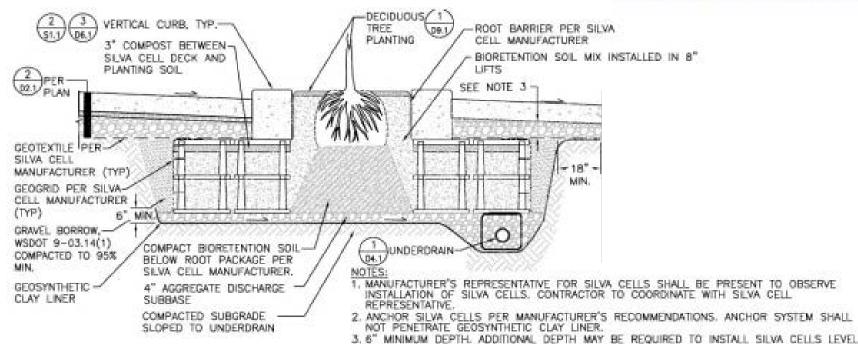




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MAIN BENEFITS:

- Stormwater Retention
- Reduced Runoff
- Stabilized Soils
- Root Control



PER MANUFACTURER'S RECOMMENDATIONS.

PLAN VISION REVIEW

- ADA Accessibility
 - Centralized ADA Parking
- Bicycle and Moped Parking
 - Redevelopment Area at College Ave/Addison St
- Manage Traffic Volumes and Speeds
 - Reduction of Travel Lanes
 - Wayfinding Signage for Alternate/Faster Routes
- Deter Cut Through Traffic
 - Wayfinding Signage for Alternate/Faster Routes
 - Sidewalks on Hillcrest, Oak, and Pine; Traffic Calming on Alternate Routes
- Multi-Modal Connectivity to Clemson University
 - Connection to Highway 93 Improvements
- Make Downtown Core Pedestrian/Bicycle Friendly
 - Protected Bicycle Lanes on College Avenue
 - 8'-16' Sidewalks Throughout College Avenue
- Development of a Realistic, Buildable Plan
 - Engineer Reviewed Cost Estimates



NEXT STEPS

- 1. Parking Deck Placement and Construction
- 2. Full Engineering Design of Recommendations
- 3. Implementation





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QUESTIONS OR COMMENTS?





OPINION OF COSTS

SEGMENT 1 - Highway 123 to Edgewood

\$3,152,800

SEGMENT 2 – Edgewood to Keith

\$1,922,400

SEGMENT 3 - Keith to Highway 93

\$2,607,800

TOTAL PROJECT- Highway 123 to Highway 93

\$7,683,000

