

US 15-501 Corridor Study

DCHC MPO Board Meeting
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DCHC

Metropolitan Planning Organization
Planning Tomorrow's Transportation





Today's Presentation

- Purpose
- Process
- Products
- Recommendations
- Next steps

Purpose

- Key travel corridor, growing demand and travel delay, and changing land use.
- Purpose – coordinate land use and transportation; and, identify multimodal transportation projects for MPO's long-range plans and TIP (Transportation Improvement Program)

Process

- Project began in 2018
- Project Steering Committee – staff from local governments, NCDOT, transit agencies.
- Extensive public input – corridor tour; three public workshops; pop-up events in Durham and Chapel Hill; online public input map; local boards and commissions; interim reports to MPO Board; and, meetings with staff and elected officials.

Products



Final Report

Final study for release today...

- 1- Full report: highlights from interim report, recommendations with proposed cross-section, and implementation plan
- 2- Conceptual design: high-level drawing on map; demonstrates feasibility
- 3- Summary report: easy to read and reference; graphic based

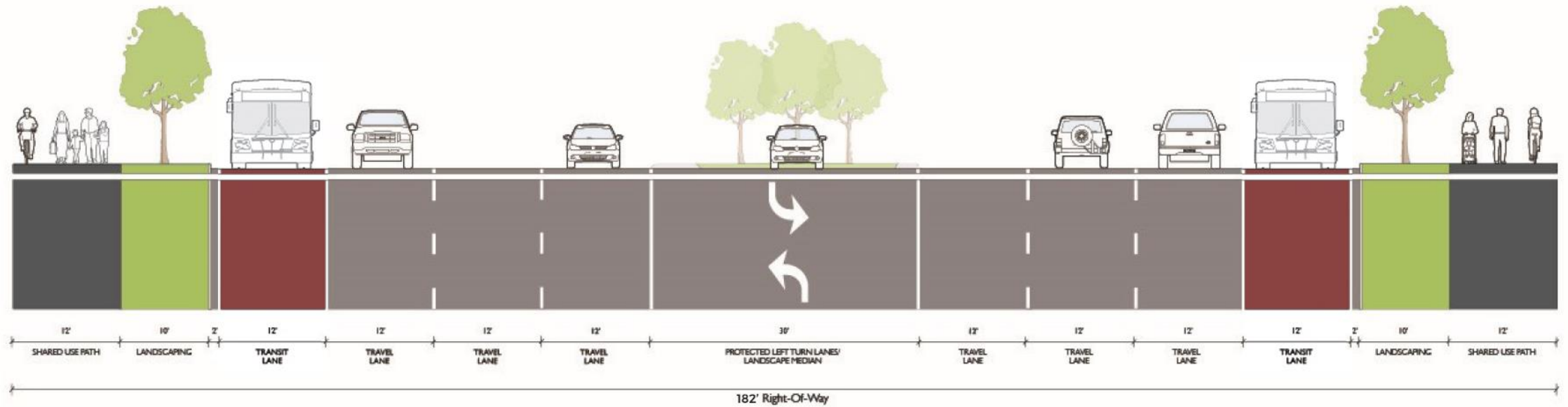
Recommendations



Segment 1

- Ephesus Church Road to I-40
- Vision:
 - *Balance between the conflicting priorities of accessibility and mobility with a design that improves the flow of through traffic, but also provides tools for creating a more urban environment through reduced travel speeds, increasing the number and safety of crossing locations for bicyclists and pedestrians, and streetscaping to provide a more urban feel. High capacity transit service is prioritized with the inclusion of a bus only lane.*

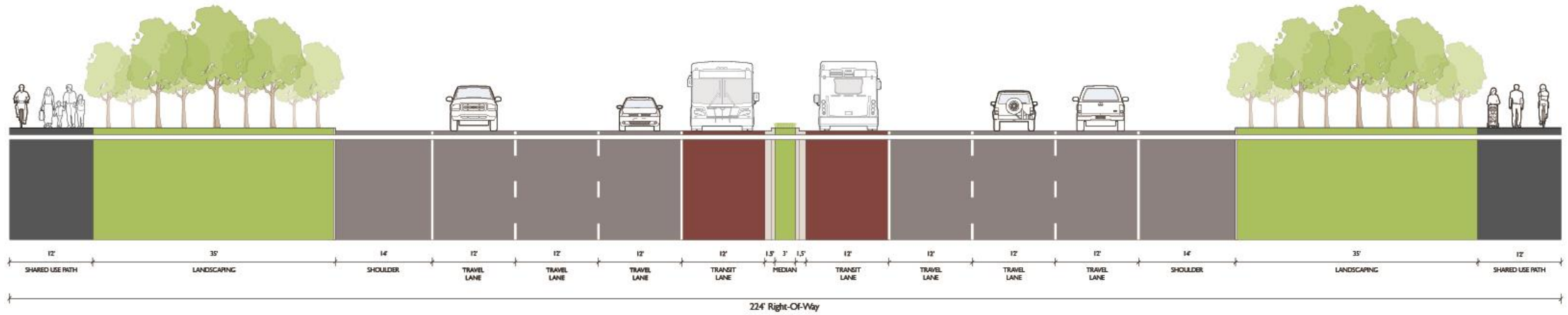
Segment 1



Segment 2

- I-40 to US 15-501 Bypass
- Vision:
 - *Focus is on mobility with a design that focuses on multimodal grade separations, while recommending local street networks within developments adjacent to the corridor for local traffic and bicycle and pedestrian movements along the corridor. High capacity transit service is prioritized with the inclusion of a bus only lane.*

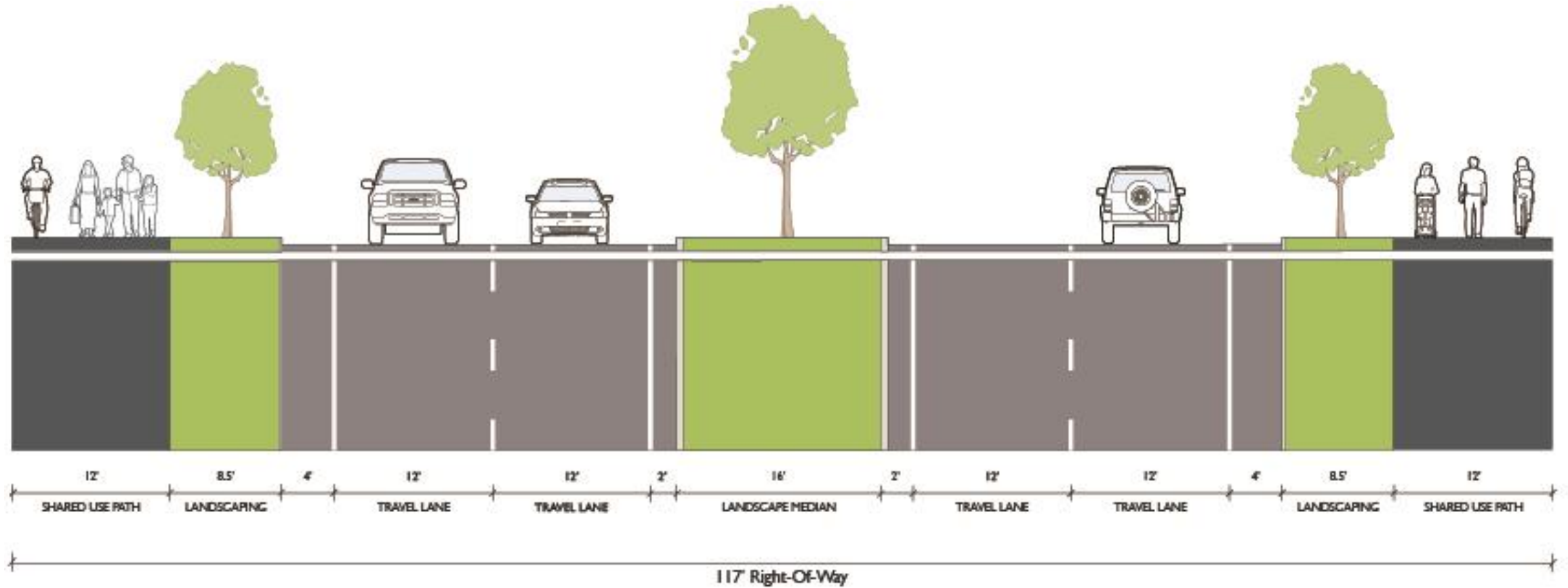
Segment 2



Segment 3

- US 15-501 Bypass to Chapel Hill Road
- Vision:
 - *Aims to provide a more urban cross section that reduces the speed of vehicles and provides a more pedestrian friendly environment with bicycle and pedestrian facilities and land use closer to the corridor. For the entire corridor, capitalize on opportunities to create land use patterns that promote multimodal travel, and incorporate urban design and human-scale design.*

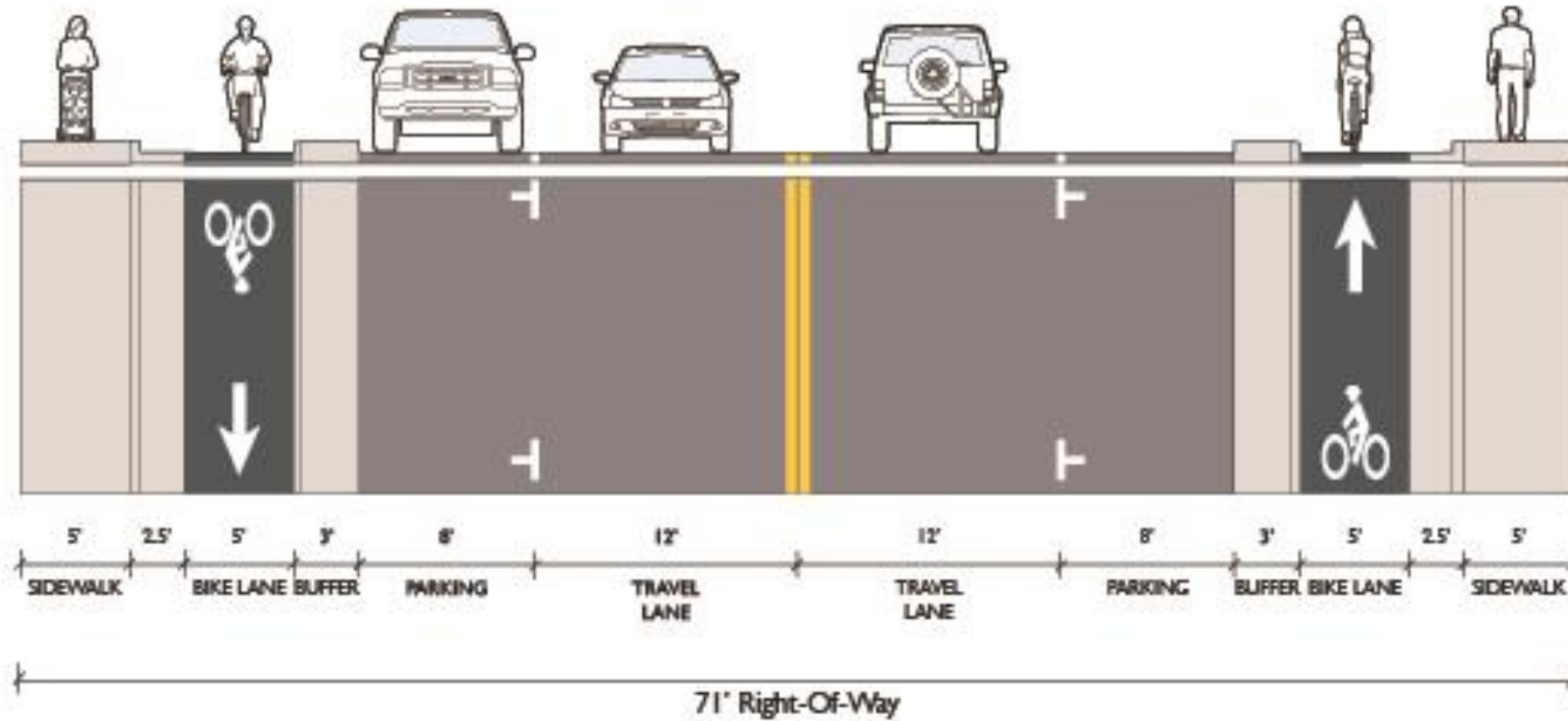
Segment 3



Segment 4

- Chapel Hill Road to University Drive
- Vision:
 - *Aims to provide a more urban cross section that reduces the speed of vehicles and provides a more pedestrian friendly environment with bicycle and pedestrian facilities and land use closer to the corridor. For the entire corridor, capitalize on opportunities to create land use patterns that promote multimodal travel, and incorporate urban design and human-scale design.*

Segment 4



Implementation



Next Steps

- September 9 – MPO Board release final report for public comment (9/8 through 10/15 = 37 days)
- October 14 – Public hearing
- November 11 – Approve final report
- Include US 15-501 projects in updated and amended long-range plans (MTP and CTP)