

I-440

Improvement Project

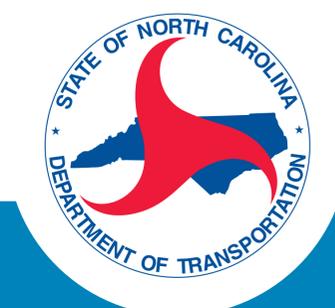
Walnut to Wade

Welcome – We’re Glad You’re Here!

Please:

- Review the project displays;
- Talk with NCDOT representatives;
- Tell us what you think; and
- Fill out a comment form.

Your input matters!



What the Project will do:

Each project alternative will include the following upgrades.

- Widen I-440 from 4 lanes to 6 lanes to match the rest of the Beltline
- Widen and pave inside and outside shoulders
- Widen, using the median wherever possible, and include a median barrier along most of the project for safety and to minimize the amount of needed right-of-way
- Upgrade interchanges
- Consider additional lanes (called auxiliary lanes) to connect the ramps between some interchanges
- Rehabilitate the 50-year-old pavement along the I-440 mainlines and interchange ramps
- Replace the following bridges that go over I-440:
Athens Drive, Melbourne Road and Jones Franklin Road
- Maintain Ligon Street access across I-440
- Improve westbound I-440 off ramp to Lake Boone Trail
- Evaluate cross streets for sidewalk and bicycle accommodations

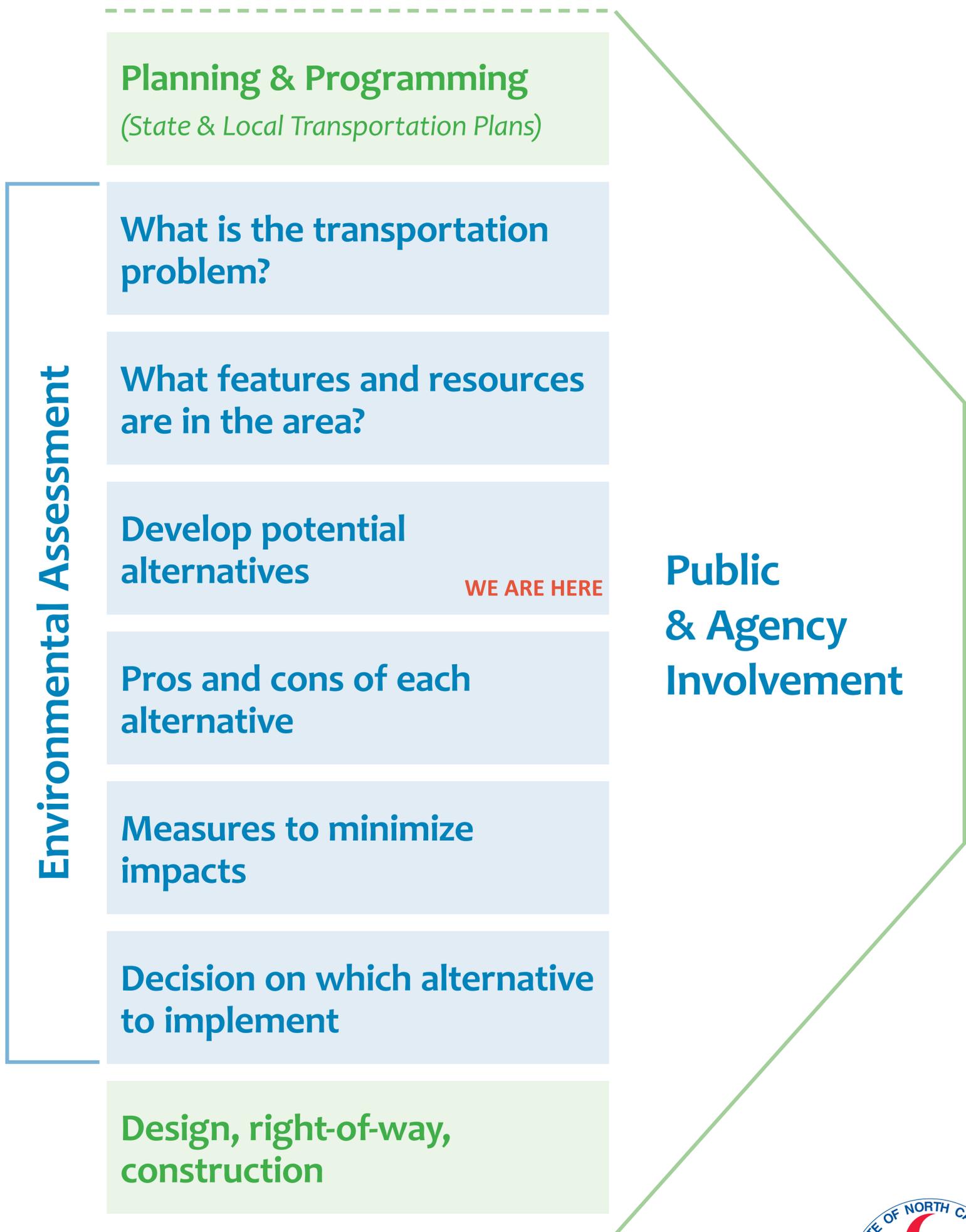


Next Steps

- Early 2013** > Identify deficiencies to be addressed and prepare traffic analyses
- 2013 -2014** > Develop set of potential solutions
- Late 2014** > PUBLIC MEETING – Present potential solutions for comment
- Late 2014** > Select specific alternative solutions for detailed study and design
- Mid 2015** > Create preliminary designs for the detailed alternative solutions
- Late 2015** > Develop Environmental Assessment
- Early 2016** > PUBLIC HEARING – Present Environmental Assessment results
- Mid 2016** > Select a preferred alternative considering analysis results and public input
- Early 2017** > Prepare final environmental document (Finding of No Significant Impact) for preferred alternative
- 2018** > Begin right-of-way acquisition, and construction process



The Project Planning Process



Features & Resources

Influencing the Project Design

When developing potential alternatives for a project, many issues are taken into consideration. Our goal is to identify the most effective solution that best meets the project purpose and minimizes impacts on the surrounding areas.

TRANSPORTATION

- Existing traffic volumes and congestion
- Predicted future traffic volumes and congestion
- High-crash locations
- Existing roadway deficiencies
- Project costs and availability of funding
- Local, regional and state transportation plans
- Other travel modes (railroads, mass transit, pedestrians and bicyclists)

NATURAL ENVIRONMENT

- Streams, wetlands and lakes
- Water quality
- Floodplains and floodways
- Wildlife and protected species
- Air quality

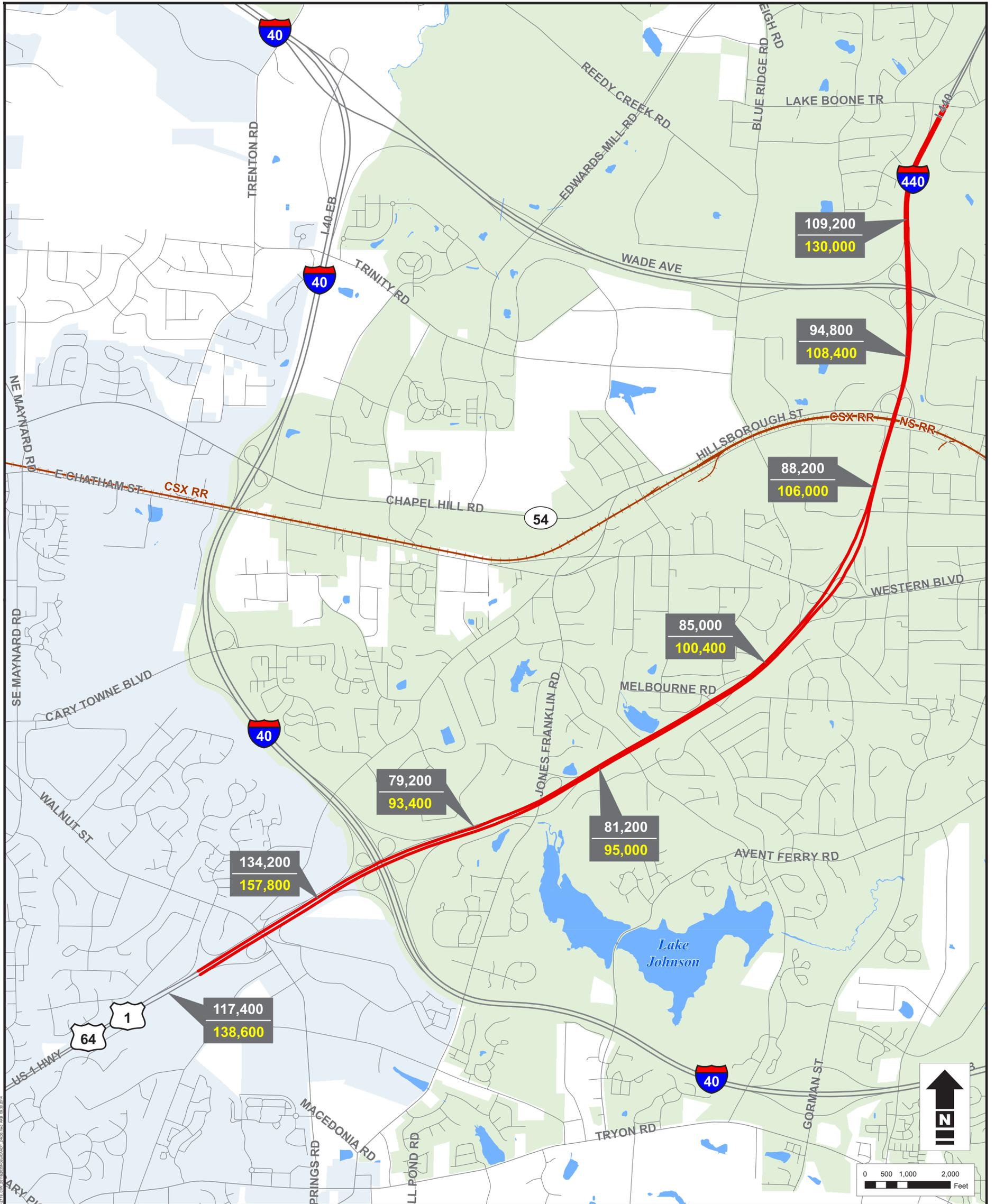
HUMAN ENVIRONMENT

- Residences and businesses
- Neighborhoods and communities
- Schools and institutions
- Churches and cemeteries
- Parks and recreation areas
- Community services such as fire stations, libraries and community centers
- Historic architectural resources
- Traffic noise
- Utilities
- Hazardous materials sites
- Visual resources and aesthetics



I-440

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I-440 IMPROVEMENTS

STIP PROJECT NO. U-2719
Wake County, North Carolina



LEGEND

- U-2719 Project
- Railroad
- Lakes
- Cary Municipality
- Raleigh Municipality

VEHICLES PER DAY

- XX,XXX 2011 Traffic Volumes
- XX,XXX 2035 Traffic Volumes (Without the Project)

Source: NCDOT; Wake County; Project Level Traffic Forecast Report, NCDOT, July 2011

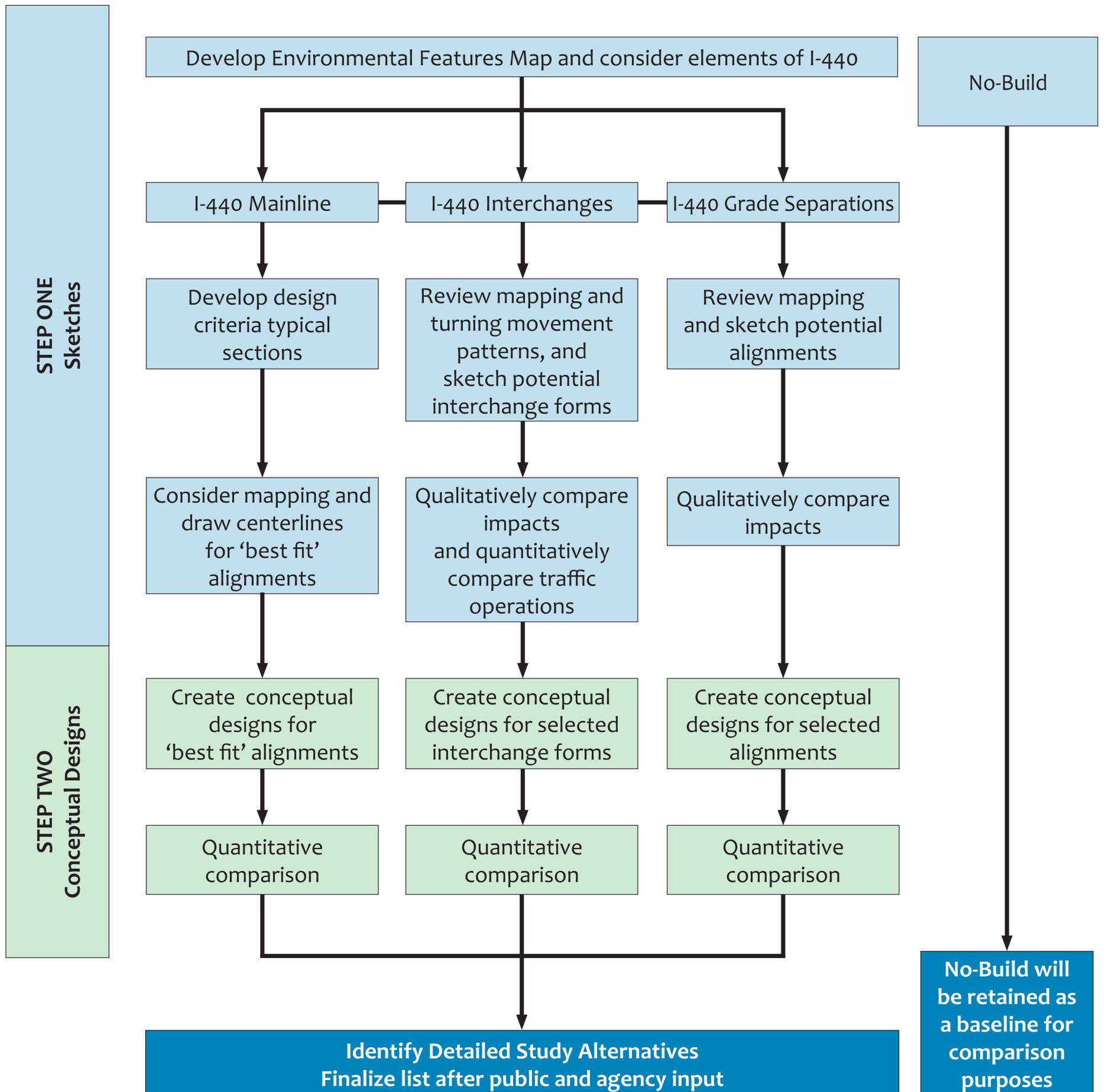
2011 AND 2035 TRAFFIC VOLUMES

I-440

Improvement Project

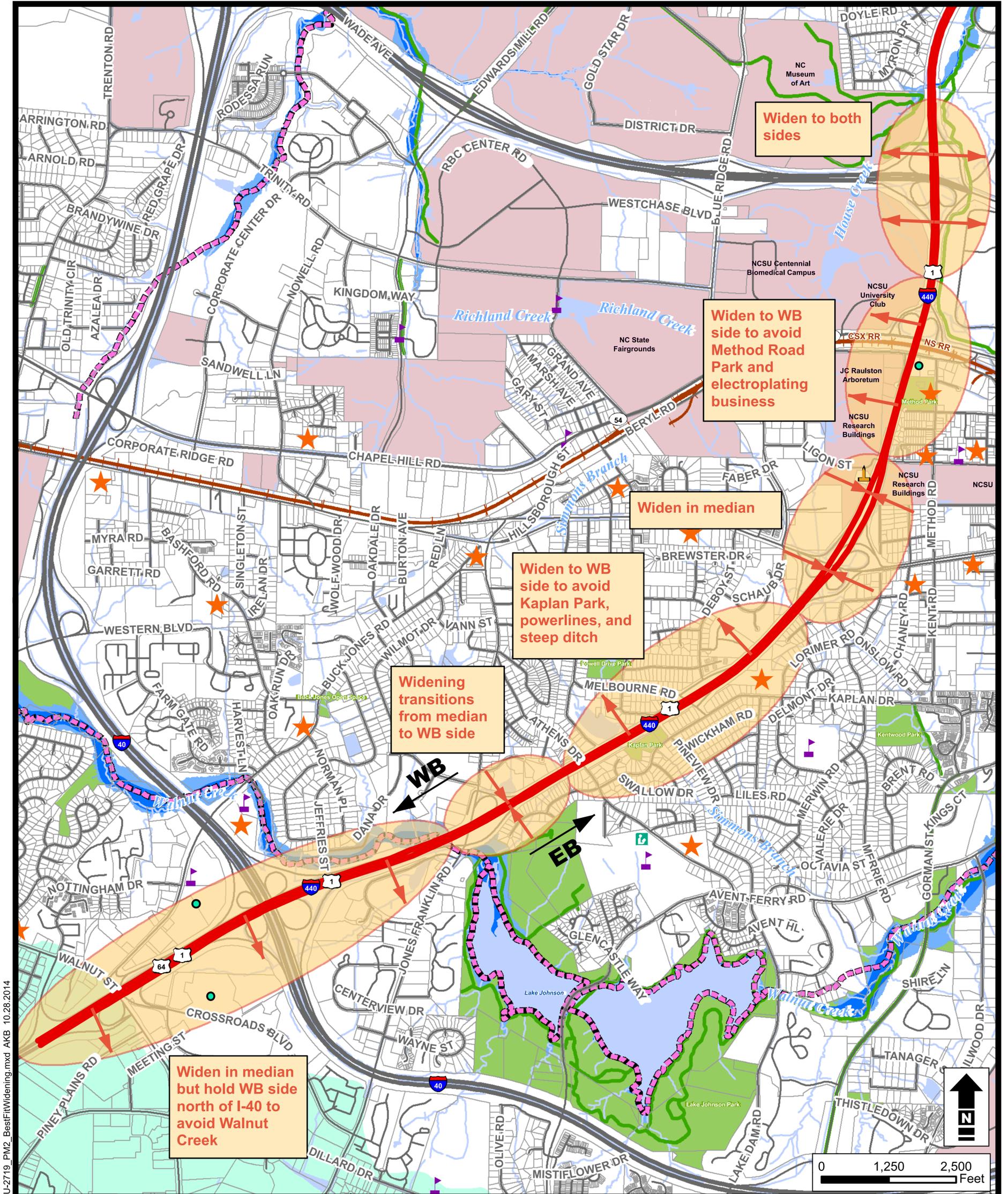
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U-2719 ALTERNATIVES DEVELOPMENT PROCESS FLOWCHART



I-440

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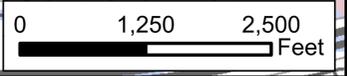
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I-440 IMPROVEMENTS
STIP PROJECT NO. U-2719
Wake County, North Carolina

Source: ESRI, NCDOT, Wake County, NCOneMap.

- U-2719 Project Limits
- Greenways
- Notable Features
- ⬇ Cemeteries
- WB** Westbound
- EB** Eastbound
- ★ Places of Worship
- 🏫 Colleges/Universities
- 📖 Libraries
- 🎓 Schools
- Parcels
- State Owned Land
- Railroads
- Conservation Open Space
- 303(d) Streams
- Rivers & Streams
- Lakes
- Floodway
- 100 Year Floodplain
- Protected Watershed (Swift Creek)

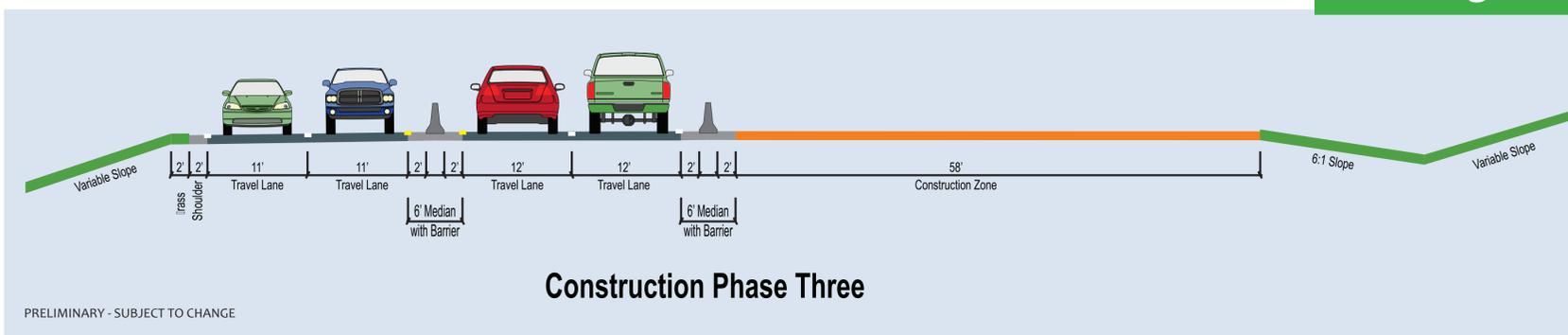
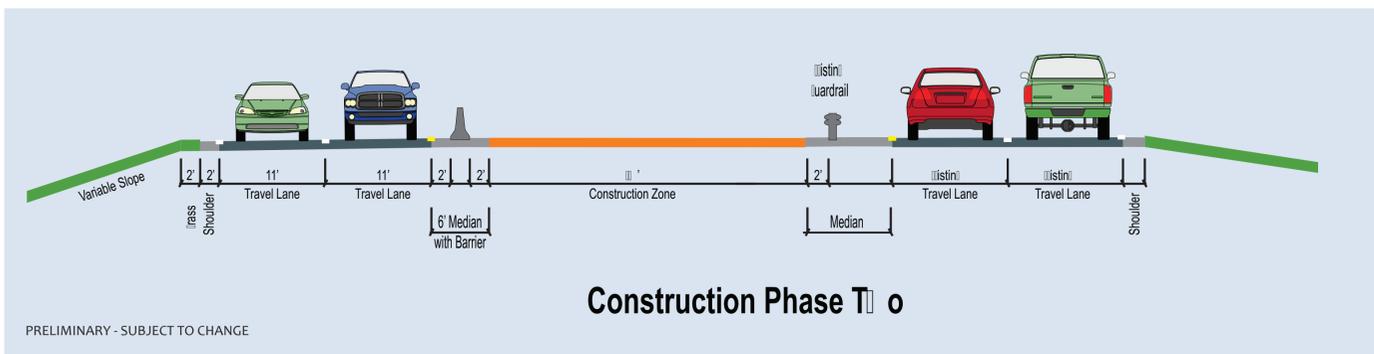
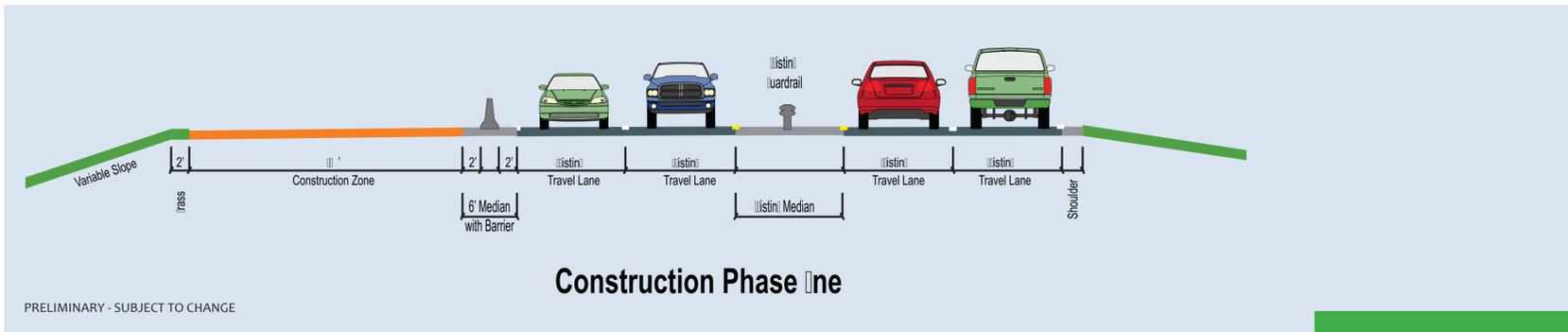
**BEST FIT
WIDENING**



I-440

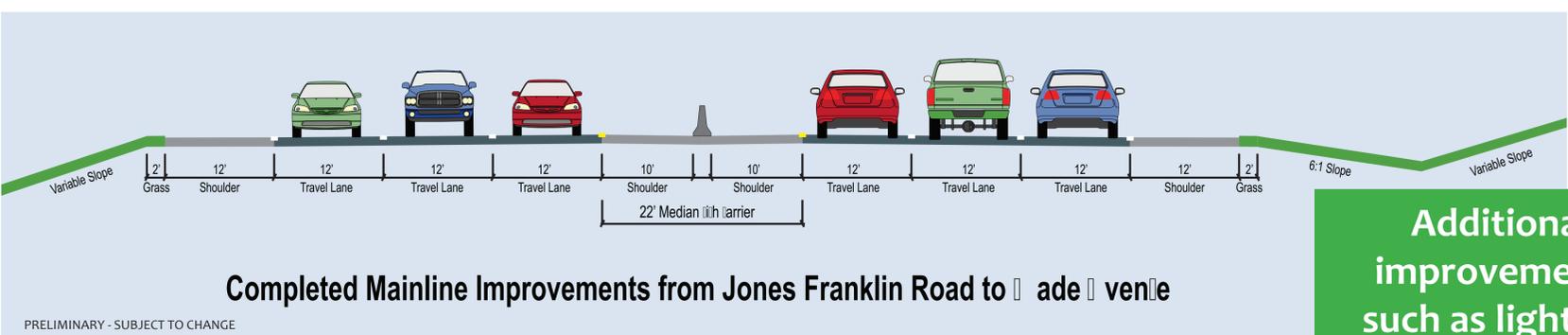
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HOW COULD the I-440 WIDENING BE BUILT?



An important goal will be to maintain two lanes of traffic in each direction while the project is under construction. These construction phasing steps show how I-440 could be widened while meeting this goal.

WHAT WILL I-440 LOOK LIKE WHEN COMPLETED?



Additional improvements such as lighting, noise walls, or landscaping will be determined in later design phases.

