

CITY OF KNOXVILLE



*Image Credit: Bruce Mccamish, [www.amazingaerialphotography.com](http://www.amazingaerialphotography.com)*

## CUMBERLAND AVENUE CORRIDOR

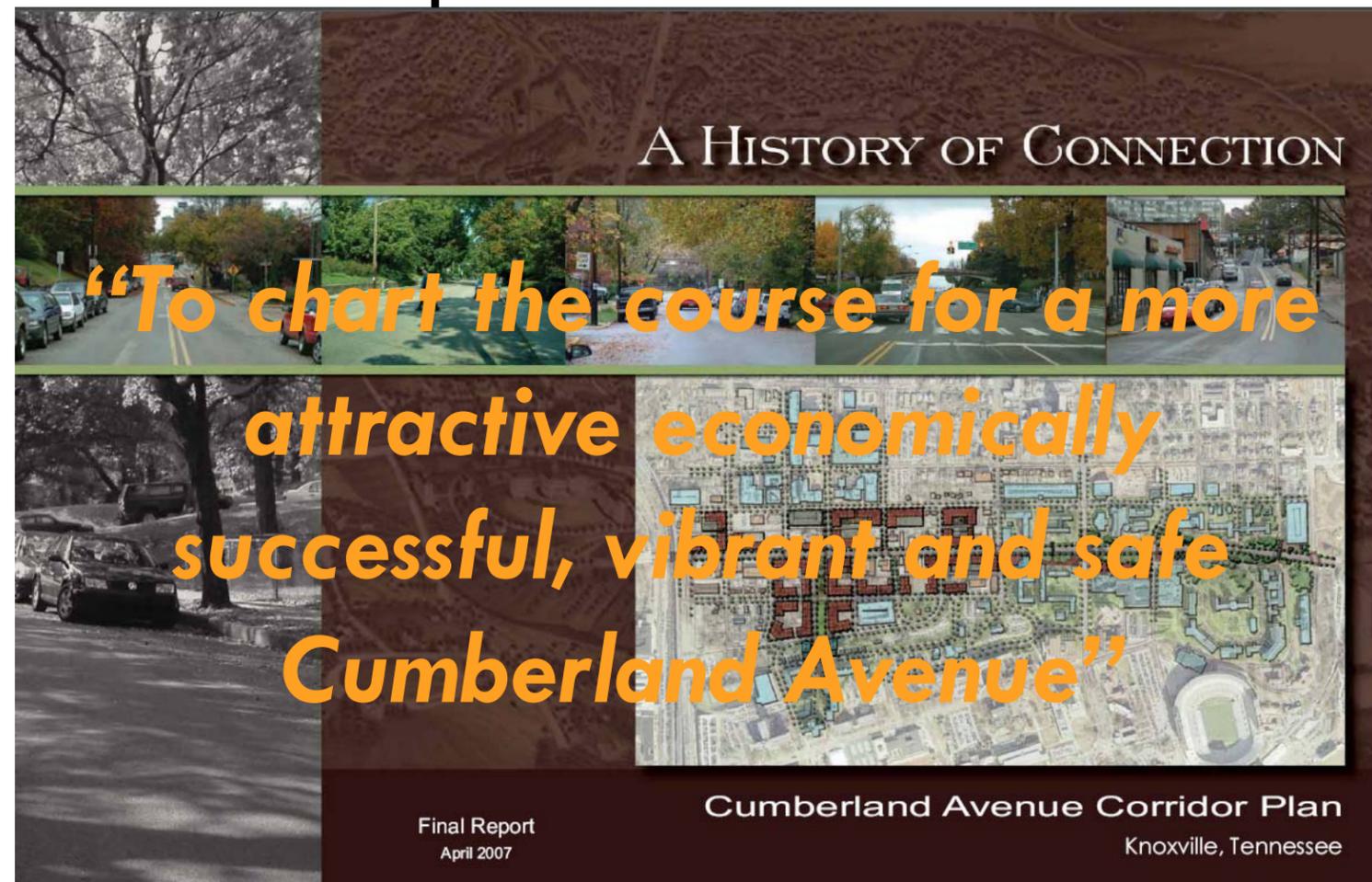
RIGHT OF WAY

Public Meeting 9.25.12

# Project History

- Public process started Fall of 2006 and included:
  - Public Meetings
  - Stakeholder Meetings
  - Project Studio
  - Advisory Board

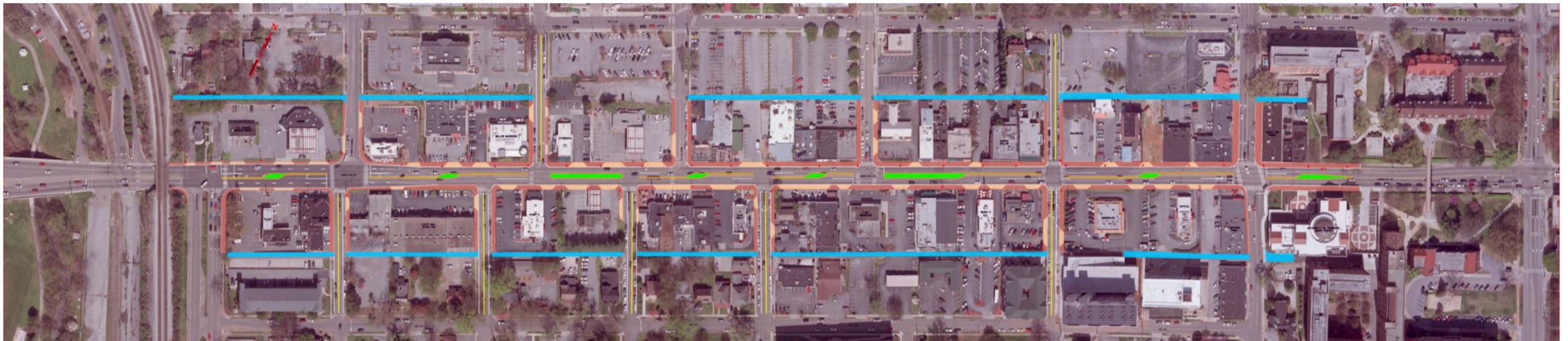
- Plan Purpose:



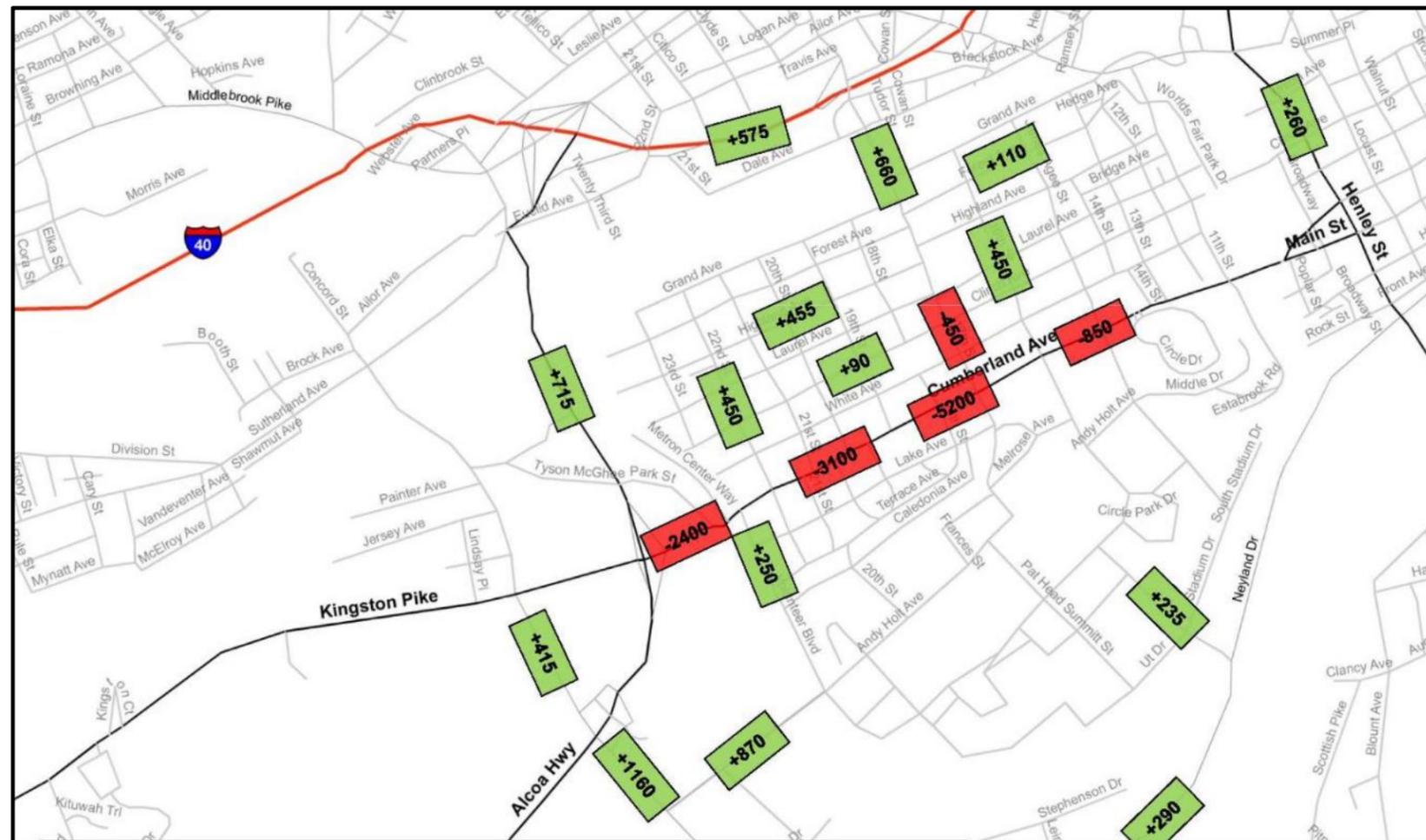
# Project History

## Public Meetings

- Summer 2008 – project kick off
- Fall 2009 – draft form code review
- Spring 2010 – environmental clearance and concept design
- Fall 2010 – detailed design review & utility locations



# Challenges



## Delay & Diversion

- Delay from 60 seconds to 150 seconds during afternoon rush hour
- Diversion from 5-10% to 15-20%
- Will “settle at an acceptable level of service”

# Challenges

## Access Management

- ❑ 36 driveway curb cuts in 12 blocks (both sides of street)
- ❑ Vision plan assumed closure of all curb cuts
- ❑ All driveway curb cuts cannot be closed
- ❑ Center turn lane conflicts
- ❑ Commercial loading zones for delivery trucks



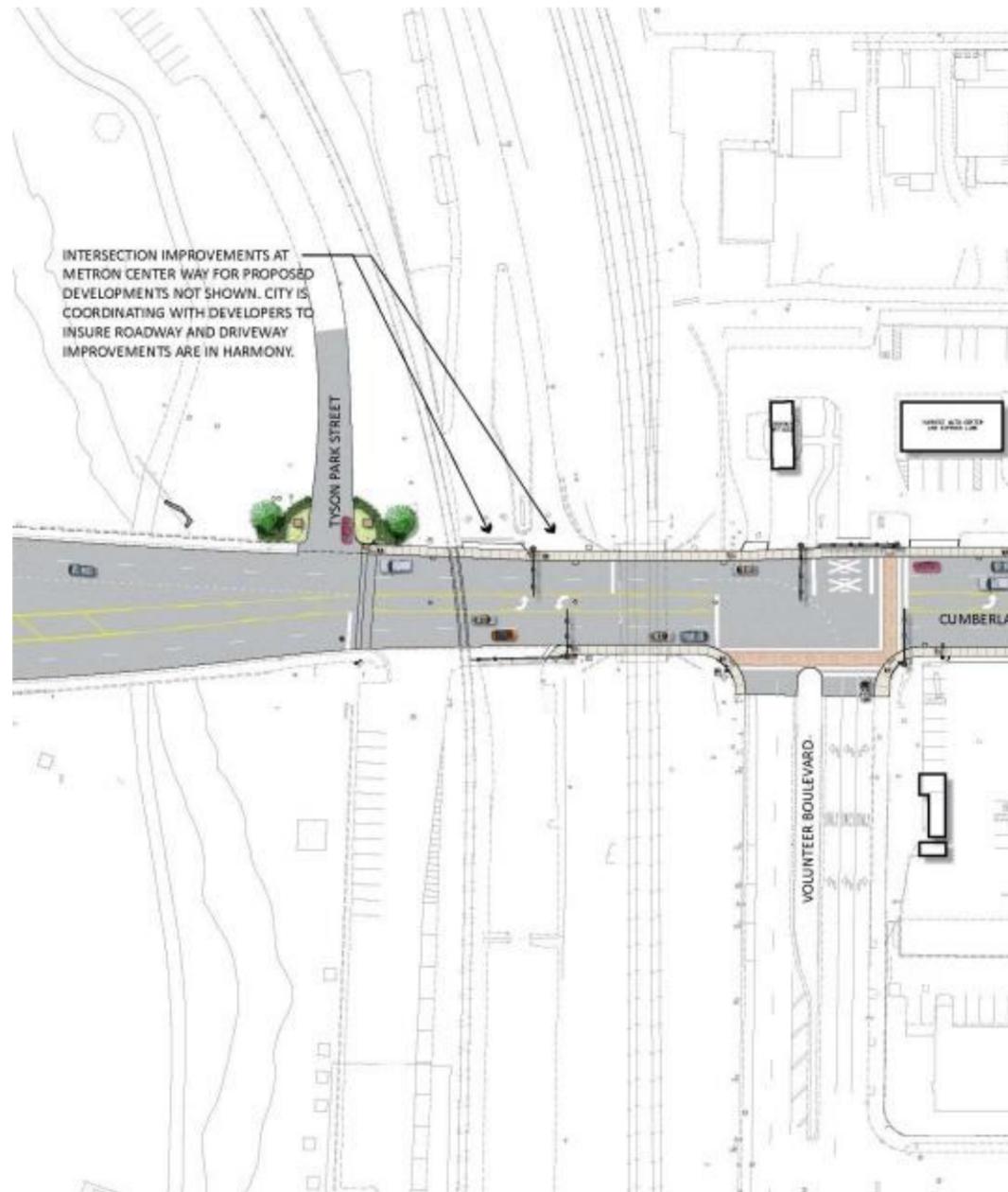
# Design Solutions

## Access Management

- Utilize a median to direct left turn movements
- Change side streets to two way traffic
- Commercial loading zones and parking will be maintained on side streets



# Design – by the block



## Tyson Park to W. Volunteer Blvd.

- Start of construction on the north side due to gravity fed utilities
- Stormwater treatment facility located at entrance to park
- Anticipated changes to Metron Center Way Signal with U.C. project
- Wider sidewalks on both sides for access to Tyson Park and U.C. project

# Design – by the block



## W. Volunteer Blvd. to 22<sup>nd</sup> St.

- ❑ Maintain current cross section due to turn volumes
- ❑ Direct access from 22<sup>nd</sup> St. to westbound Cumberland
- ❑ 22<sup>nd</sup> St. south of Cumberland maintains current configuration
- ❑ Sidewalks improved to alley
- ❑ Decorative crosswalks

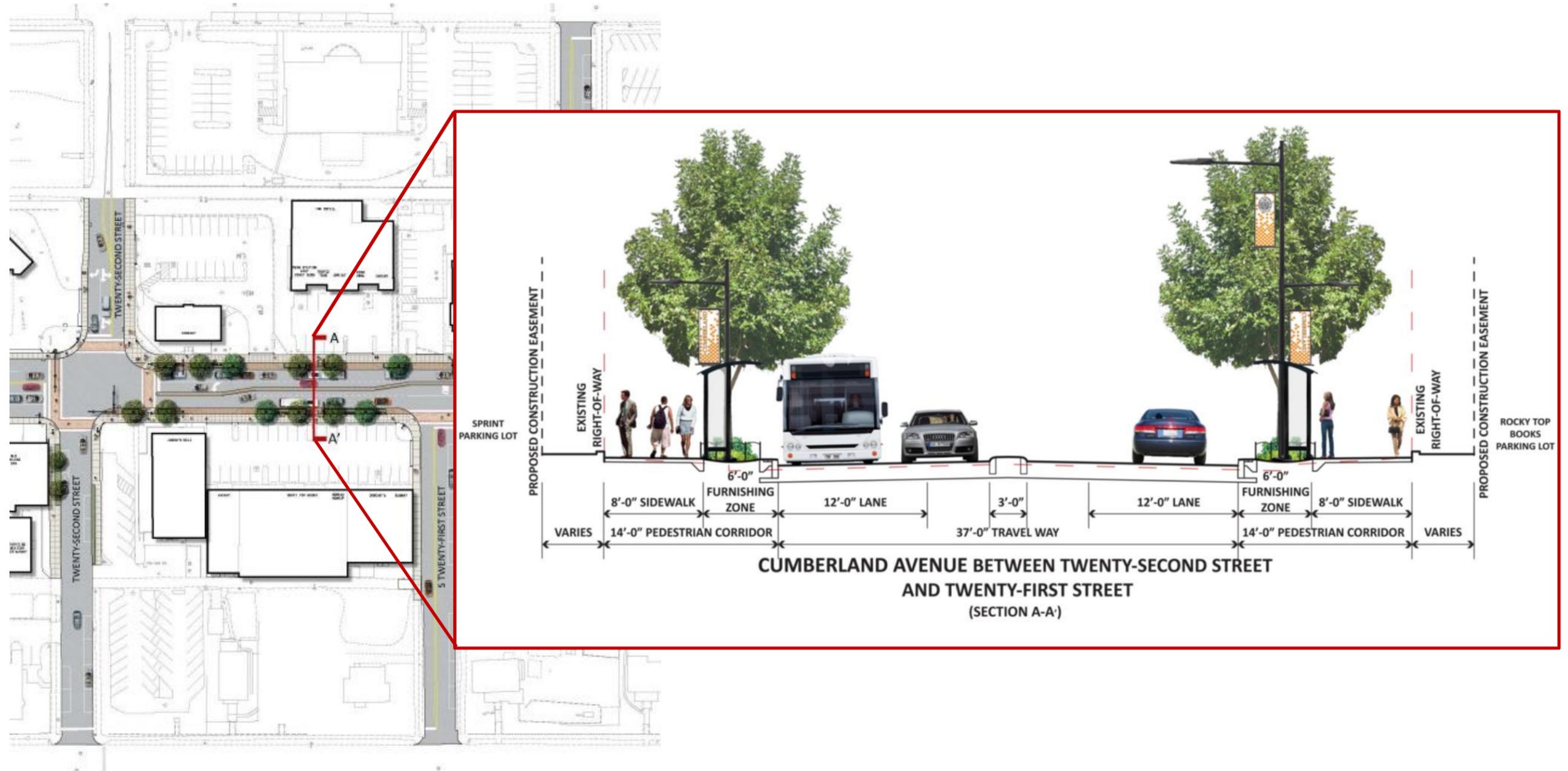
# Design – by the block



## 22<sup>nd</sup> Street to 21<sup>st</sup> Street

- 3 lane section starts
- Ribbon median directs left turn movements
- Bus stops are included on the north and south sides of Cumberland
- Street is wide enough to allow vehicles to pass buses
- Start of furnishing zone and widened sidewalks

# Design – by the block



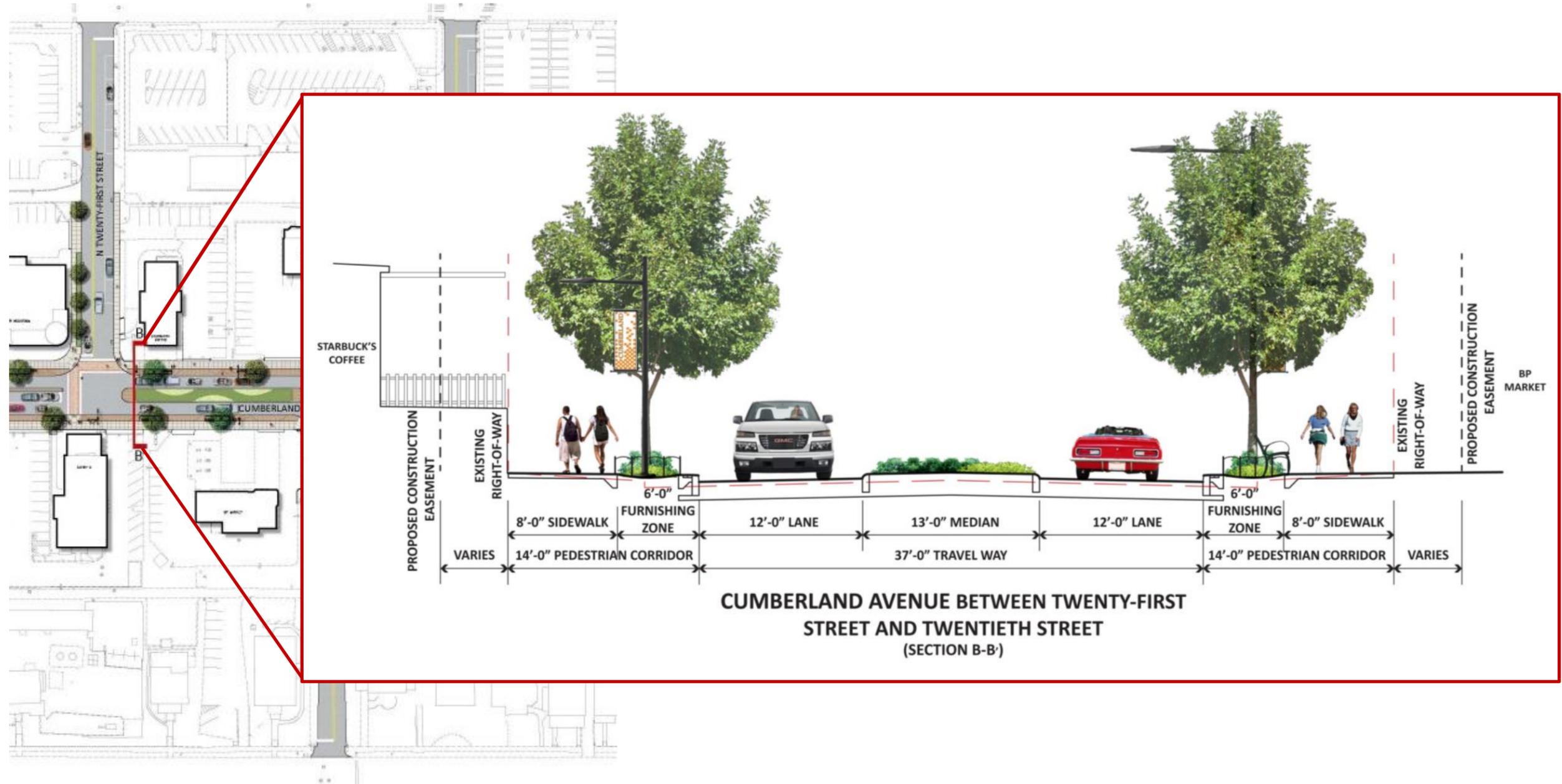
# Design – by the block



## 21<sup>st</sup> Street to 20<sup>th</sup> Street

- ❑ Full width median with additional plantings included
- ❑ Cross walk at 20<sup>th</sup> St. moves to the east side of intersection and median provides refuge
- ❑ Left turn services Mountcastle
- ❑ Side streets are two way
- ❑ Replace sidewalk on side streets

# Design – by the block



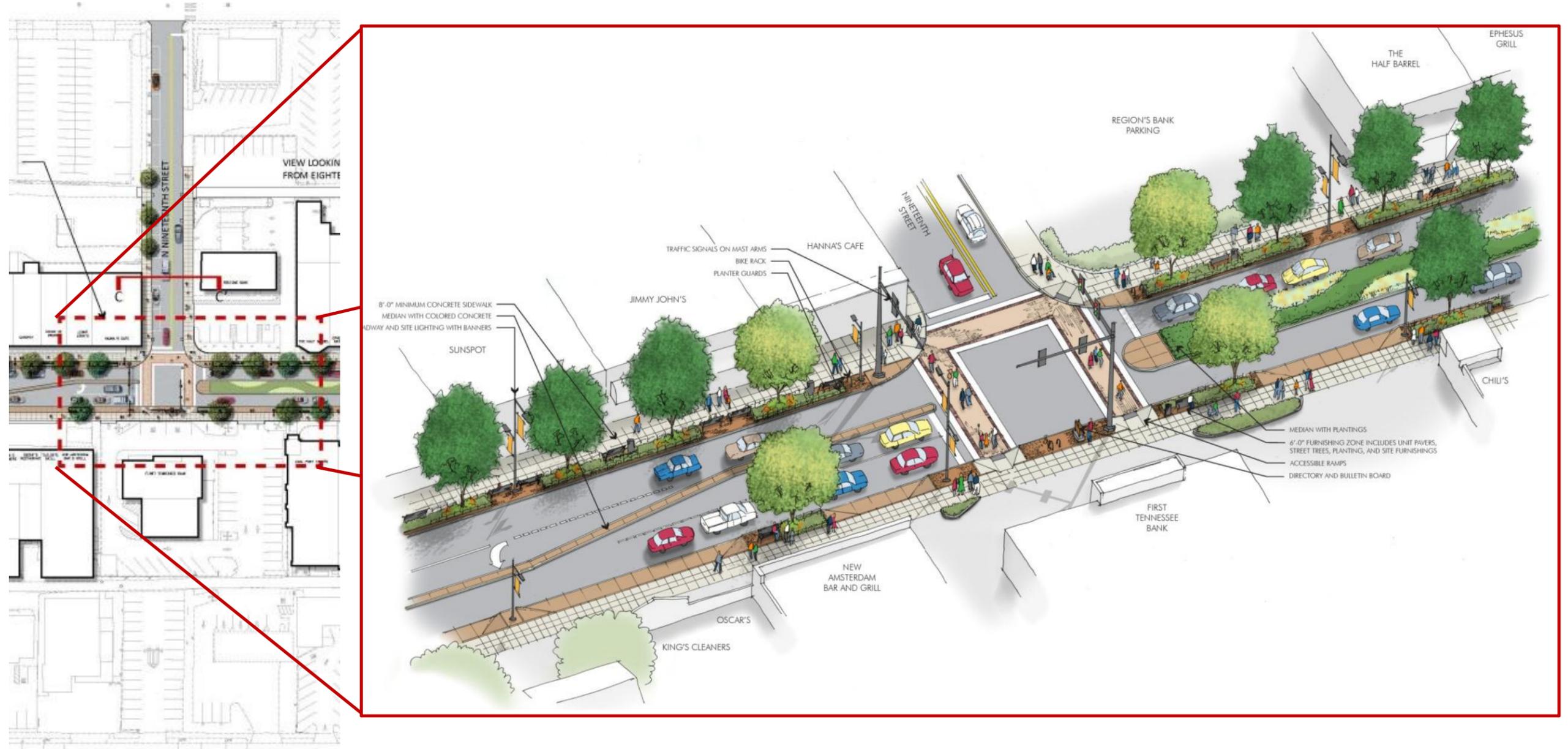
# Design – by the block



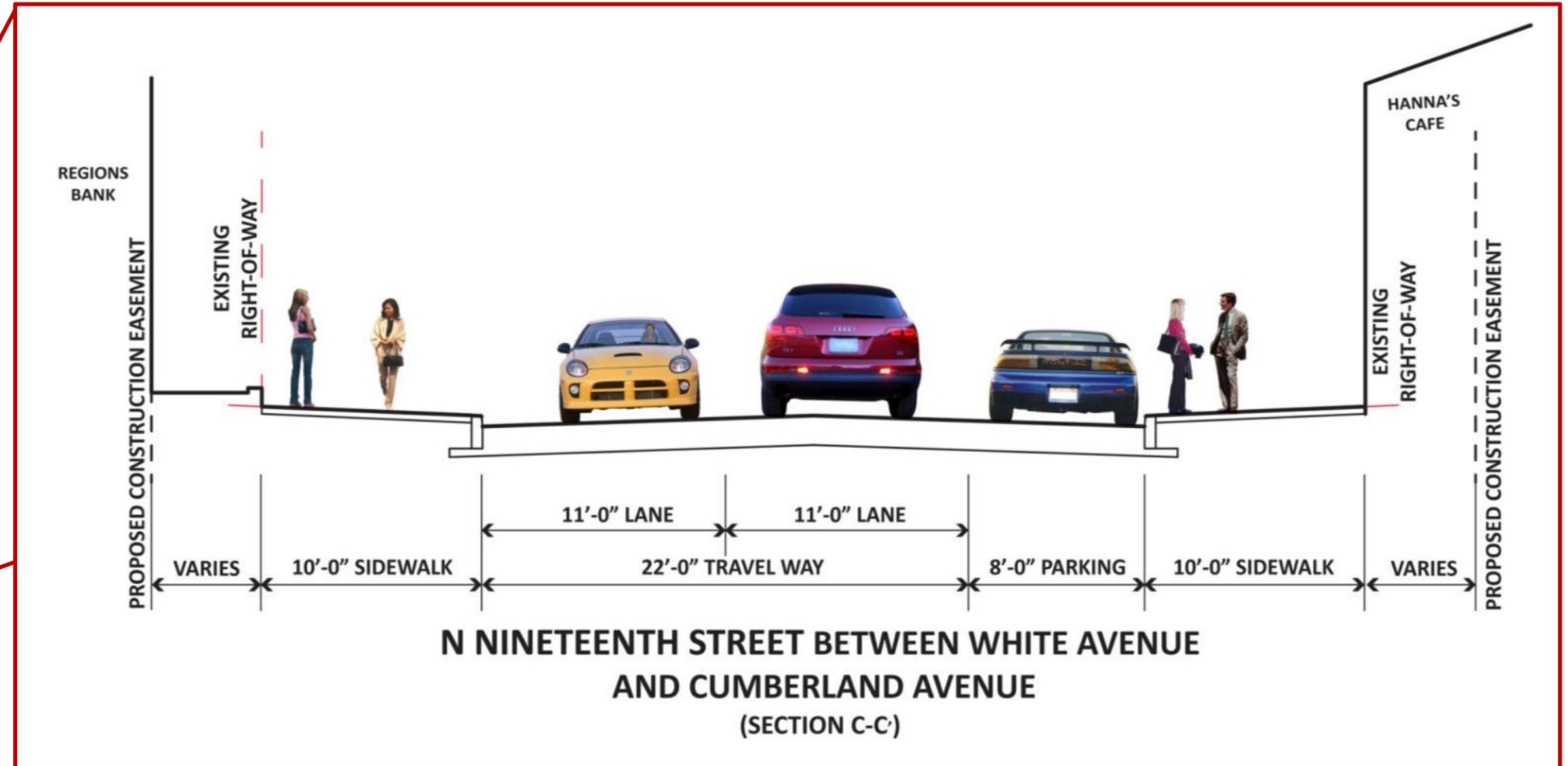
## 20<sup>th</sup> Street to 19<sup>th</sup> Street

- Median transitions to allow for left turn movements at 19<sup>th</sup> St. north and south
- Full depth medians will include low growing plants and have a 4" mountable curb
- Furnishing zone includes benches, planters, trash & recycle cans, and pedestrian & street lights

# Design – by the block



# Design – by the block



# Design – by the block

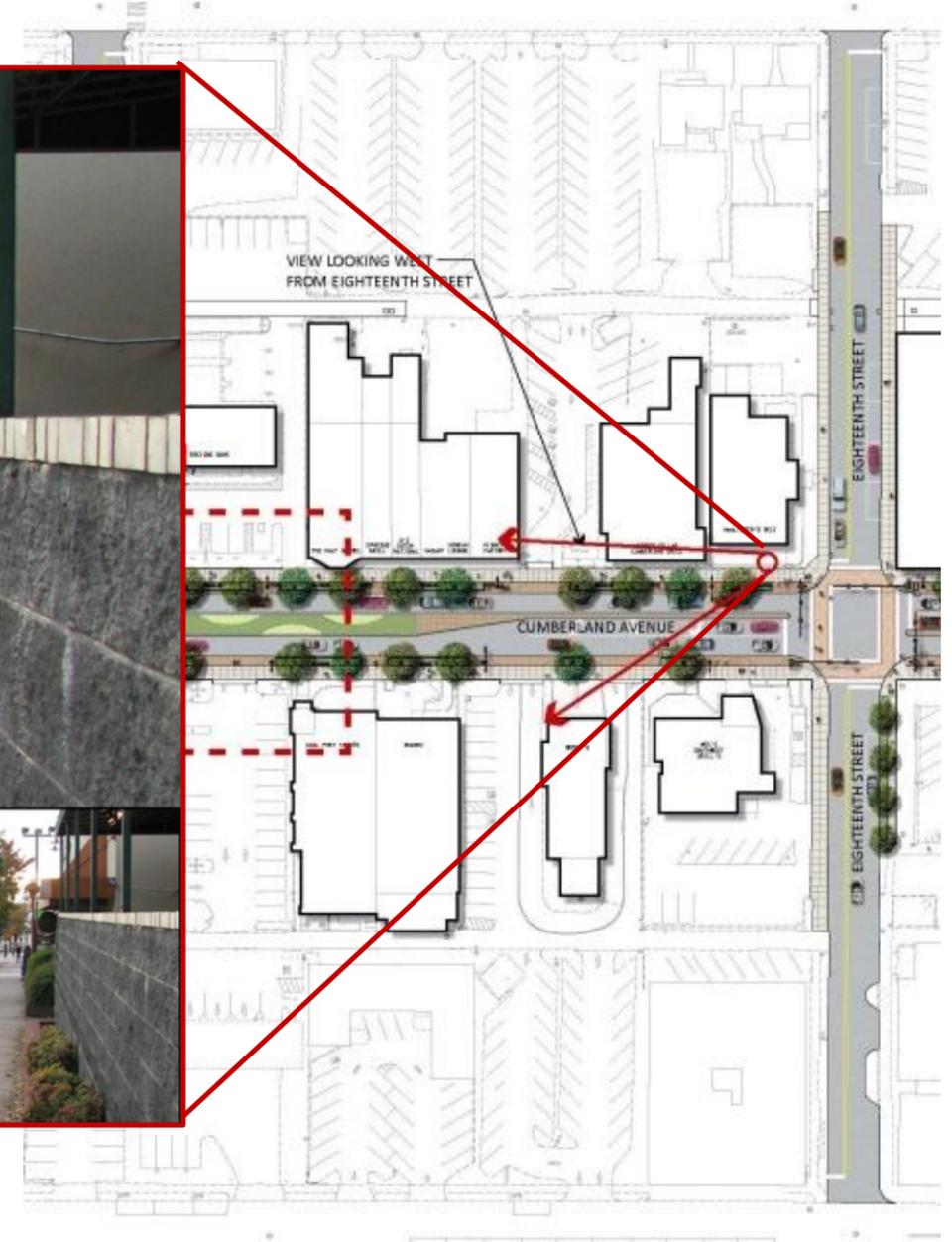


## 19<sup>th</sup> Street to 18<sup>th</sup> Street

- ❑ Median transitions to allow for left turn movements at 18<sup>th</sup> St.
- ❑ 18<sup>th</sup> Street is one of 3 full intersections on the corridor
- ❑ On street parking will be maintained on one side of 18<sup>th</sup> for commercial loading and patrons

# Design – by the block

## Cumberland Avenue CORRIDOR PROJECT



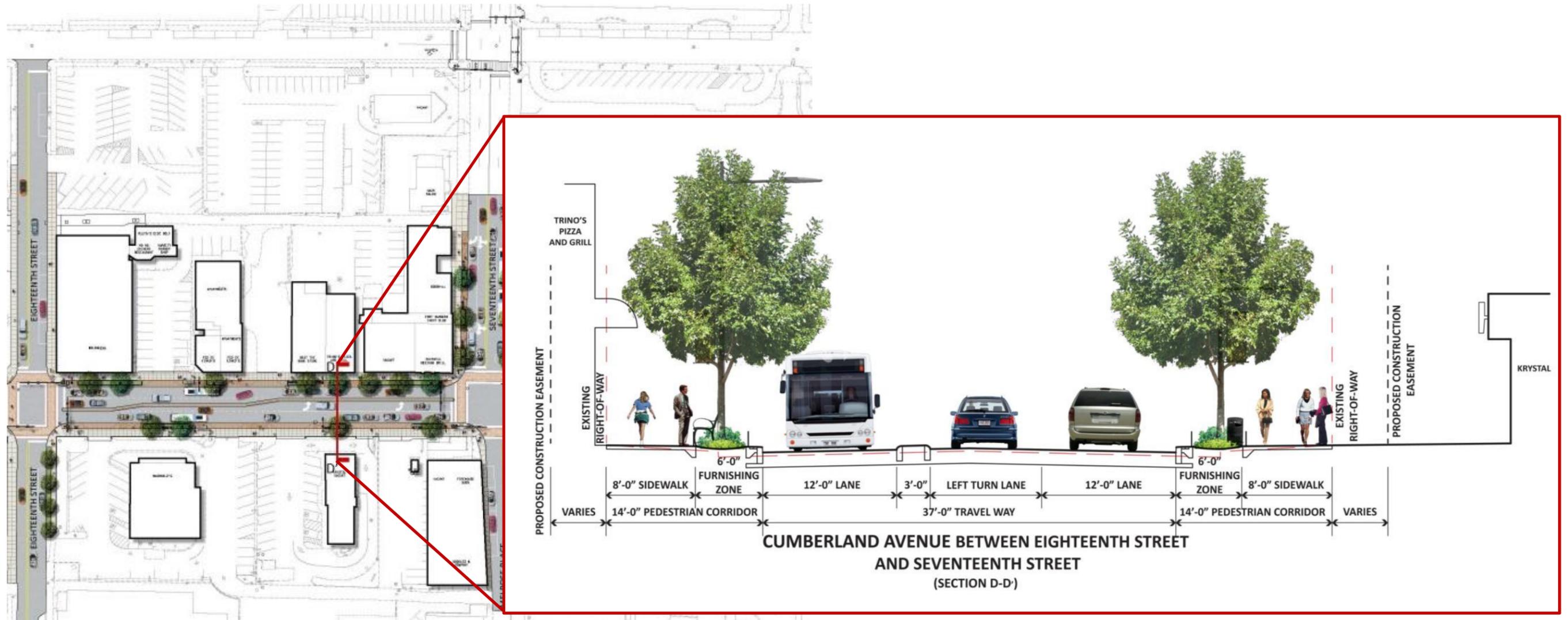
# Design – by the block



## 18<sup>th</sup> Street to 17<sup>th</sup> Street

- Bus stop between 18<sup>th</sup> and 17<sup>th</sup> Streets
- Bus and trolley stop on 17<sup>th</sup> St northbound
- Cumberland transitions back to 4 lanes east of the Baker Center
- Signals are proposed for White and Clinch Avenues

# Design – by the block



# Right of Way Process

- Uniform Acquisition and Relocation Act as amended in 2005
- Acquisition of land needed for public use is similar to the real estate transaction of private land sales
- Types of acquisitions

- Market studies and appraisal process
- Negotiations
- Closing
- Eminent domain procedures

# Questions and Comments

For more information please visit our Websites:

[www.cumberlandconnections.blogspot.com](http://www.cumberlandconnections.blogspot.com)

[www.cityofknoxville.org/cumberland](http://www.cityofknoxville.org/cumberland)

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