



I-77 High Occupancy Toll Lanes:

Project Overview & Noise Wall Update

December 2, 2013

Proposed Concept within City of Charlotte



Image Prepared by NCDOT

NC 150

1

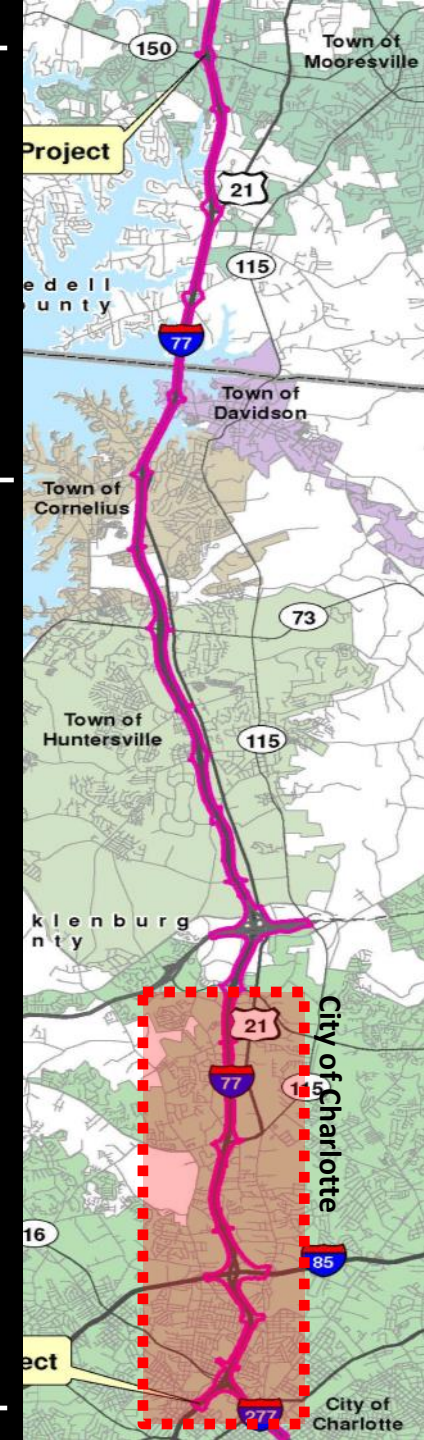
High
Occupancy
Toll Lane
(in each
direction)

West Catawba

2

High
Occupancy
Toll Lanes
(in each
direction)

I-277





I-77 High Occupancy Toll Lanes: **Noise Walls**

NCDOT has been working with residents and property owners on two key decisions:

1. Wall or no Wall

- Decision is made by only impacted/benefited residential property owners (based on NCDOT Traffic Noise Abatement Policy)

2. Design of Walls (color & texture)

- Decision is typically the City's (for both sides of walls)
- State Historic Preservation Office has determined that in historic districts or areas "eligible" for historic designation – impacted/benefited property owners should determine texture/color
- Eligible historic neighborhoods (McCrorey Heights, Oaklawn Park, & Dalebrook) + 4th Ward Historic District

Location of
noise walls in
the city fall into
3 areas:

1

North of I-85

Context:

- Mix of neighborhoods & commercial
- Some existing concrete noise walls

2

South of I-85

Context:

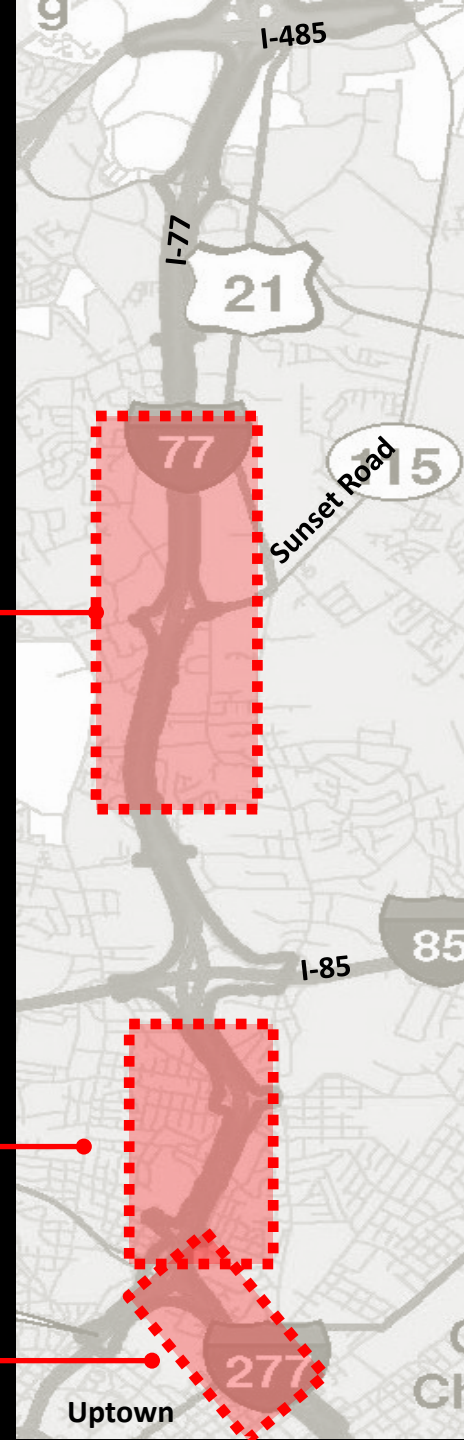
- Historic and intown neighborhoods
- Existing brick aesthetic walls

3

Uptown & 4th Ward (I-277)

Context:

- Historic 4th Ward neighborhood & Uptown



Noise Walls: North of I-85

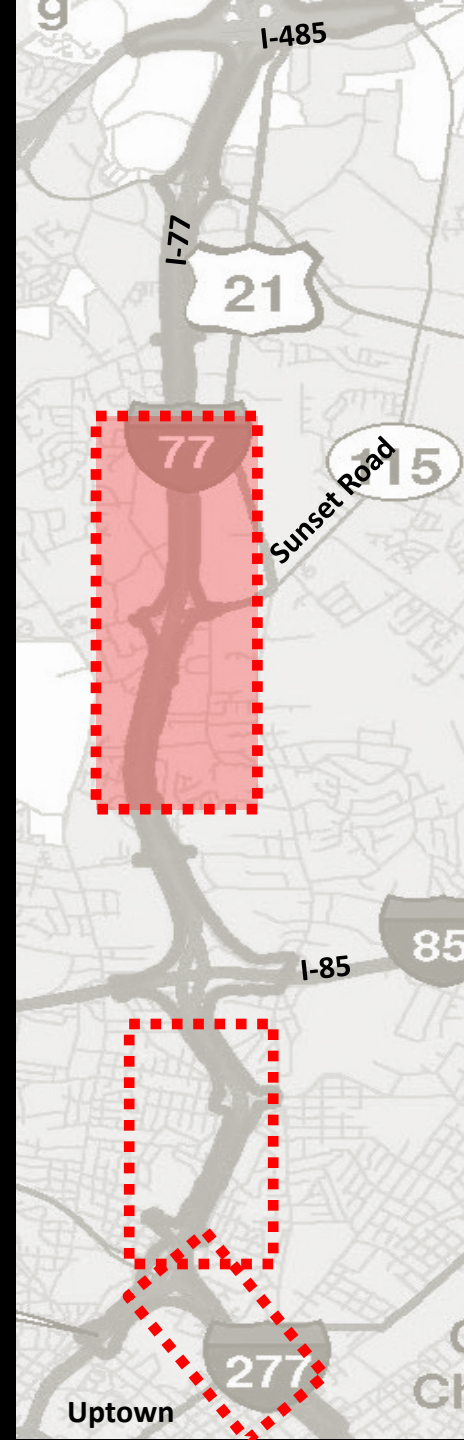


Proposed

- New walls & expansion of existing walls focused on neighborhoods north and south of Sunset Road

Issues

- Design texture & color (City decision)
- Match same texture & color as existing?



Proposed Noise Walls

Typically located between highway & existing brick walls

Existing Aesthetic Brick Walls

I-77

Proposed

- New noise walls in front of existing brick walls

Issues:

- Impacted properties “in favor” of walls (based on NCDOT process)
- Design treatment/texture (neighborhood side) to be determined by impacted properties (historically eligible)
- City needs to determine design treatment/texture on highway side



Noise Walls: South of I-85

Proposed Noise Walls
(yellow)

Existing Aesthetic Brick Walls
(red)

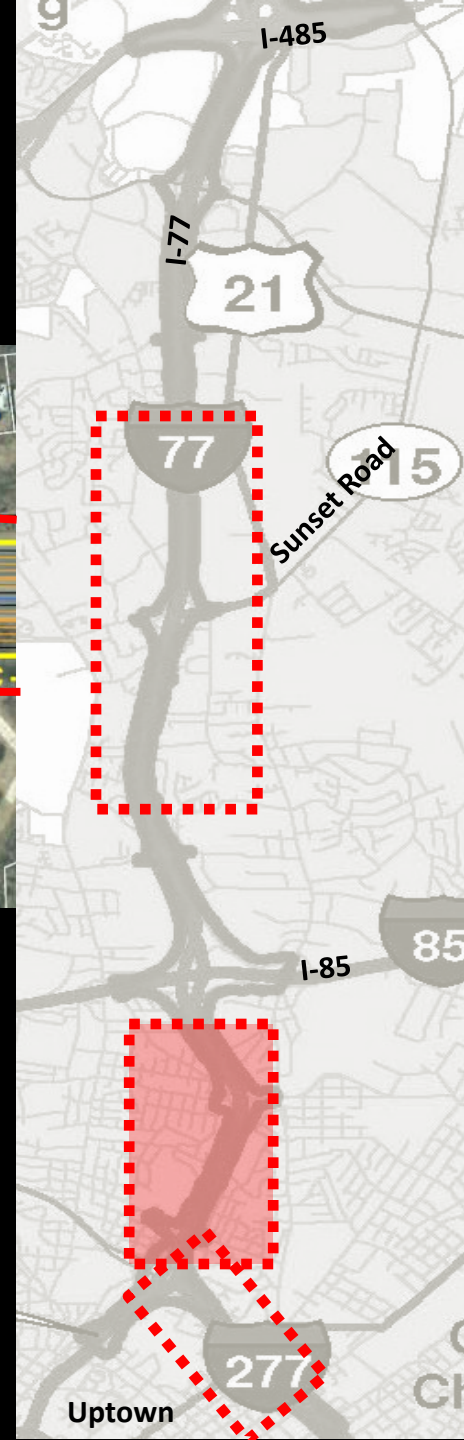


Irwin Creek Greenway
(Green)

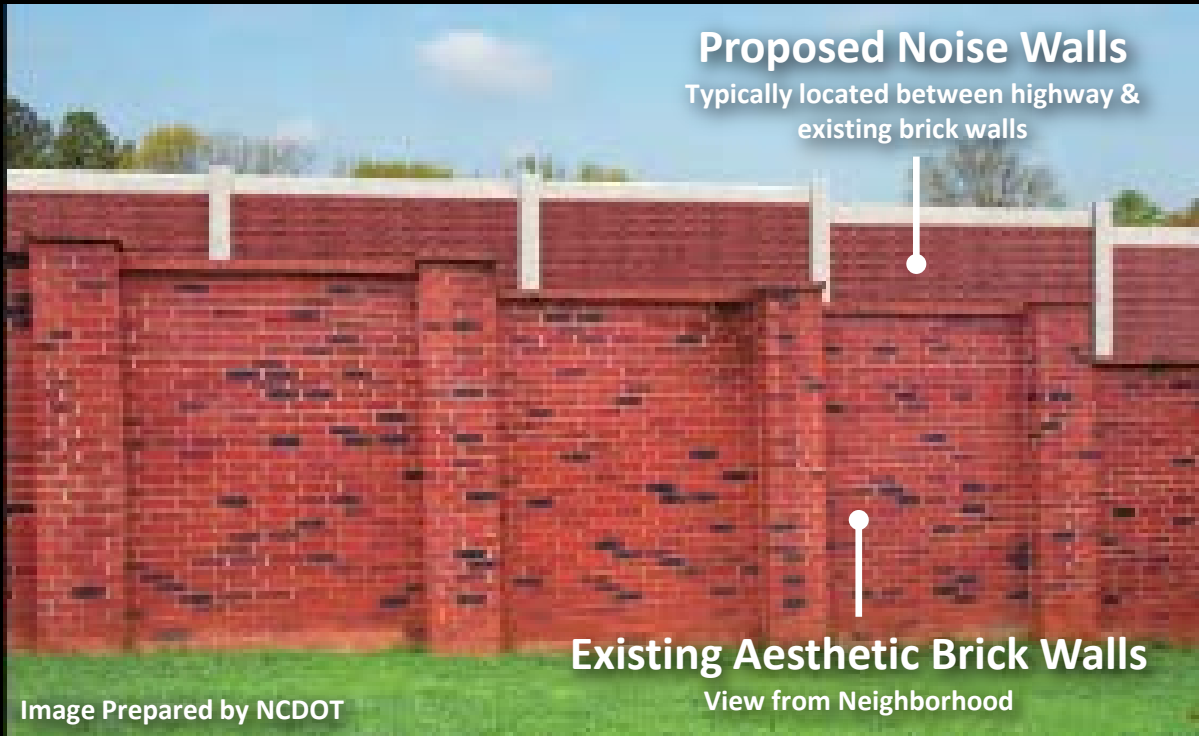
Proposed Noise Walls
Replaces existing brick wall

Other Issues:

- Consistency of treatment along the corridor
- Maintenance, access & safety of space “between the walls”
- Removal of some existing brick walls (where there is not enough space for both old and new walls)
- Coordination of future Irwin Creek Greenway

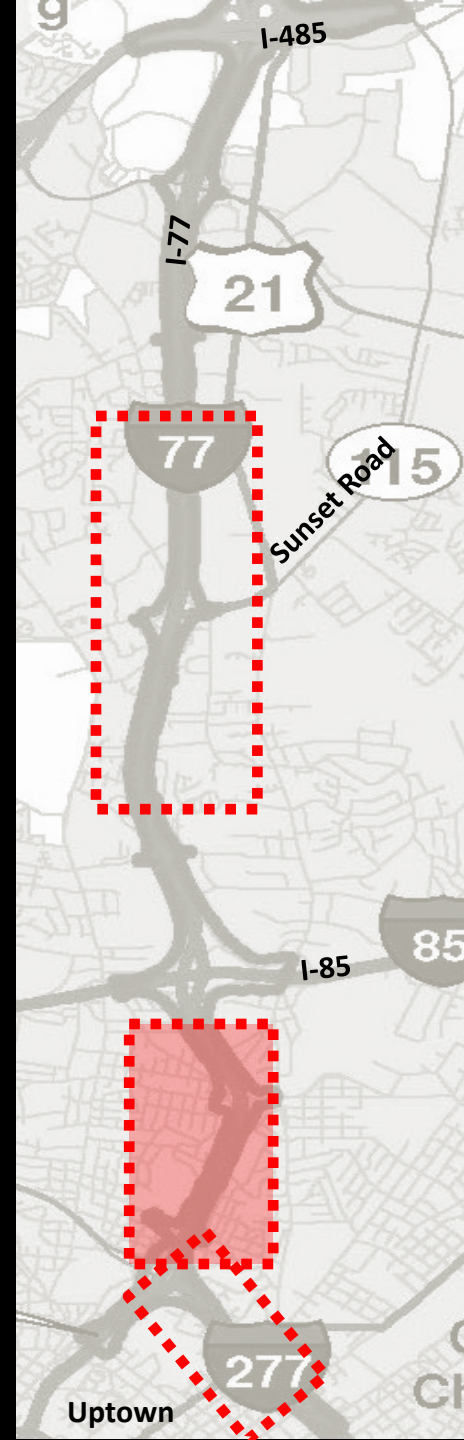


Noise Walls: South of I-85



Other Issues:

- Determining appropriate texture & color relative to existing brick walls (avoid “clash” of materials)
- Neighborhoods have asked for City’s help in coordination of design decisions



Noise Wall Staining Options



Option 1
Medium Brown - Panel Only



Option 2
Medium Brown - Panel and Top of Wall



Option 3
Medium Brown - Entire Wall



Option 4
Dark Brown - Panel Only



Option 5
Dark Brown - Panel and Top of Wall

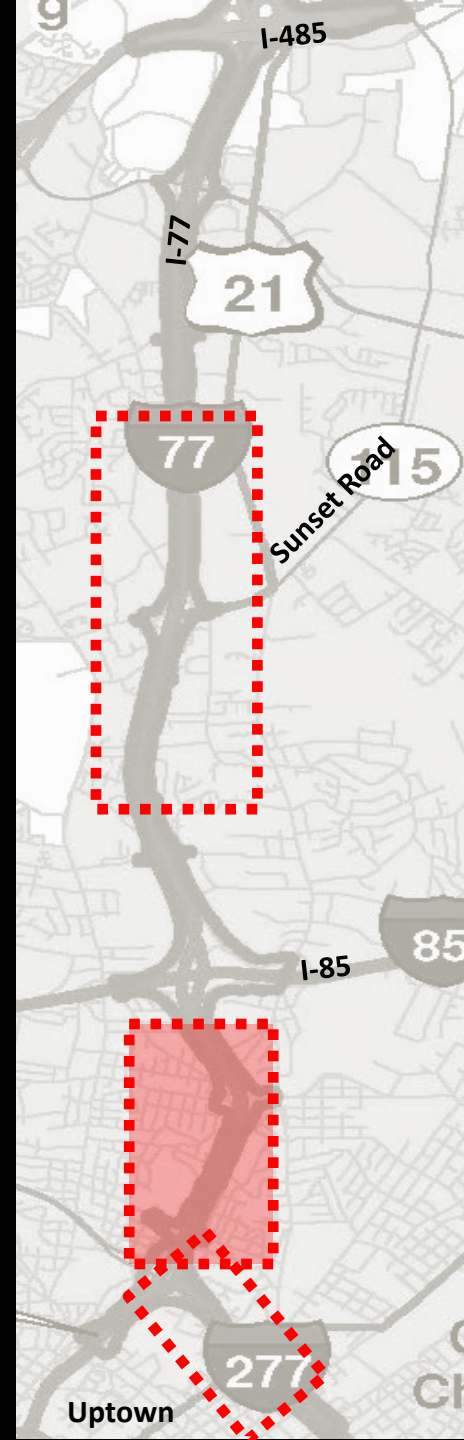


Option 6
Dark Brown - Entire Wall

Image Prepared by NCDOT

Issue: "Clash" of texture & color

- NCDOT has provided a range of texture and color options for consideration



Noise Walls: Uptown & 4th Ward (I-277)

Proposed Noise Walls

Proposed Noise Walls

Church St.

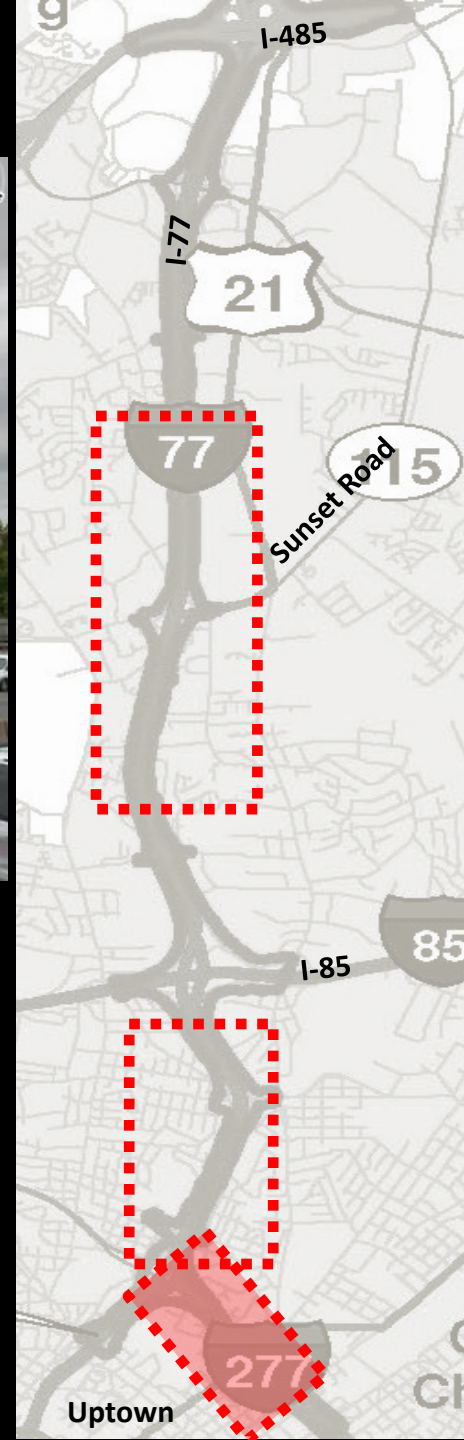
I-277

Proposed

- New noise walls adjacent to 4th Ward neighborhood & Alpha Mill residential

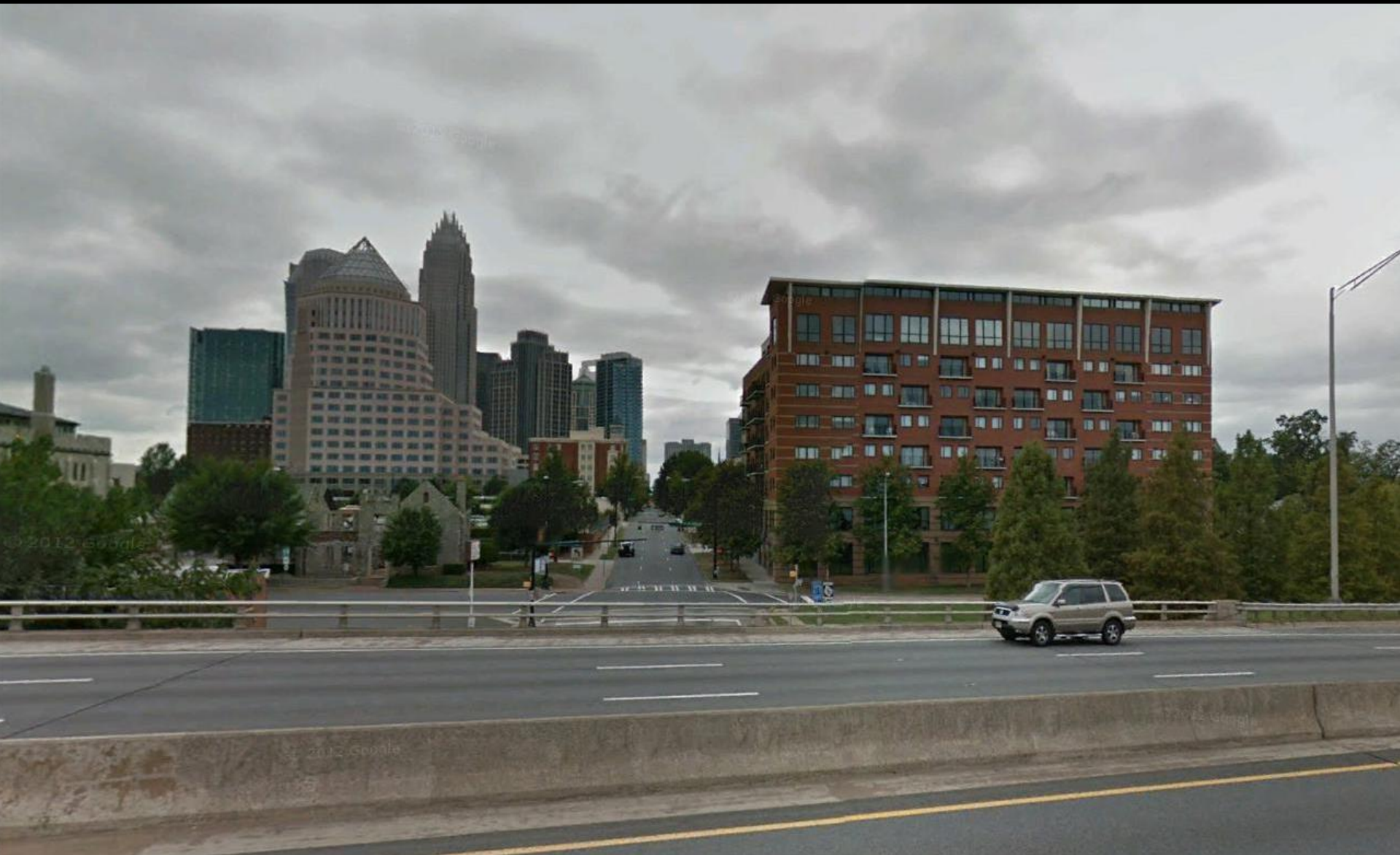
Issues

- Wall or no Wall (new vote required based on height limitation)
- Walls will have significant visual impact on Uptown skyline views
- If walls - Design Treatment/texture will need to be determined





Visual Impact – I-277 & Church Street



Visual Impact – I-277 & Church Street



Visual Impact – 4th Ward (11th Street & Poplar)



Visual Impact – 4th Ward (11th Street & Poplar)



Visual Impact – 12th Street & Brevard Street



Visual Impact – 12th Street & Brevard Street



I-77 High Occupancy Toll Lanes: **Noise Walls**

1

North of I-85 (design of walls)

- City to recommend **texture and color treatment** to NCDOT (freeway & neighborhood sides of walls)

2

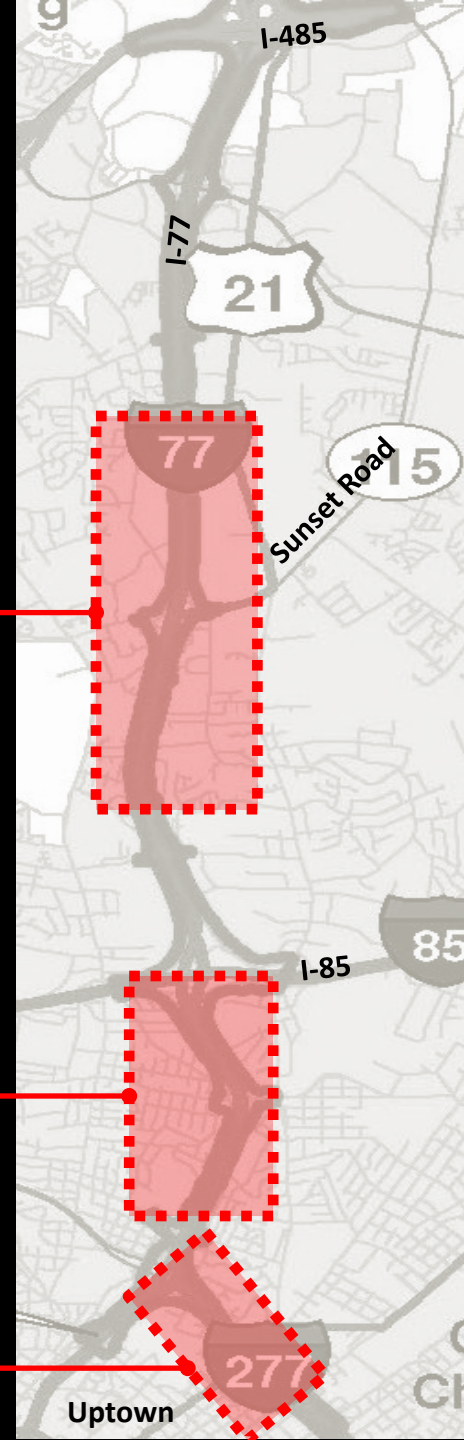
South of I-85 (design of walls)

- City to work with neighborhoods & NCDOT to **facilitate design treatment** discussion/decisions (November 12th community meeting)

3

Uptown & 4th Ward (wall or no wall)

- City to coordinate follow-up meetings with NCDOT, 4th Ward and Uptown stakeholders to inform new decision on **wall or no wall**





Next Steps & Milestones:

Community Meetings

- **Nov. 12th** – City/NCDOT met with neighborhoods north of Uptown to review potential design options and answer questions
- **Dec. 11th** – City/NCDOT meeting to review all areas impacted, discuss design options, answer questions
- **Dec. 17th** - City/NCDOT follow-up meeting to present City direction and next steps.

January 2014

- NCDOT needs design decisions (from City/neighborhoods) on wall treatments to stay on bid schedule