



CHARLOTTE
CHARLOTTE-MECKLENBURG
PLANNING

Noise Walls

I-77 High Occupancy Toll (HOT) Lane Project

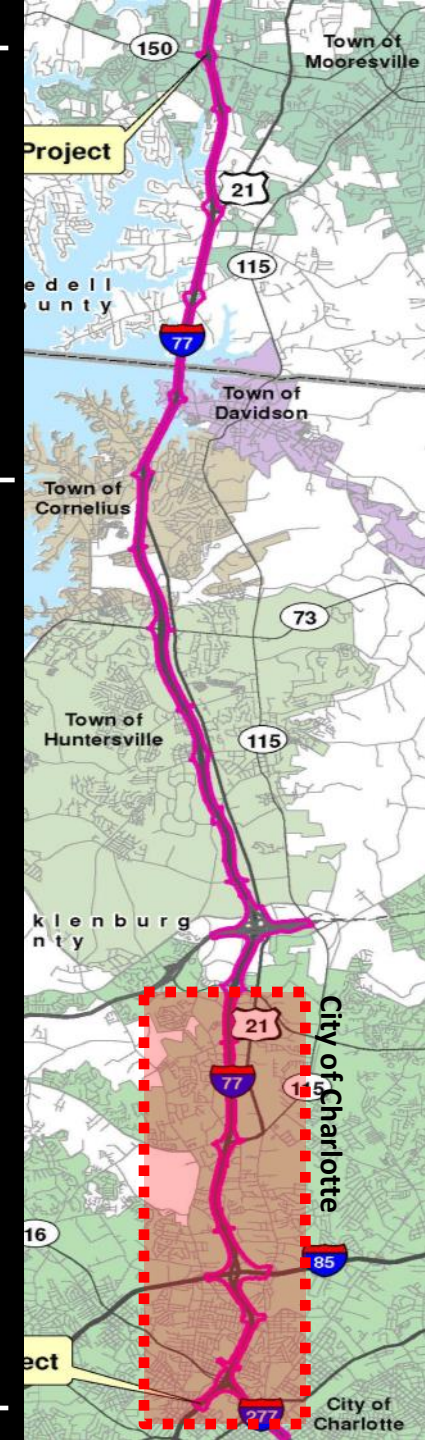
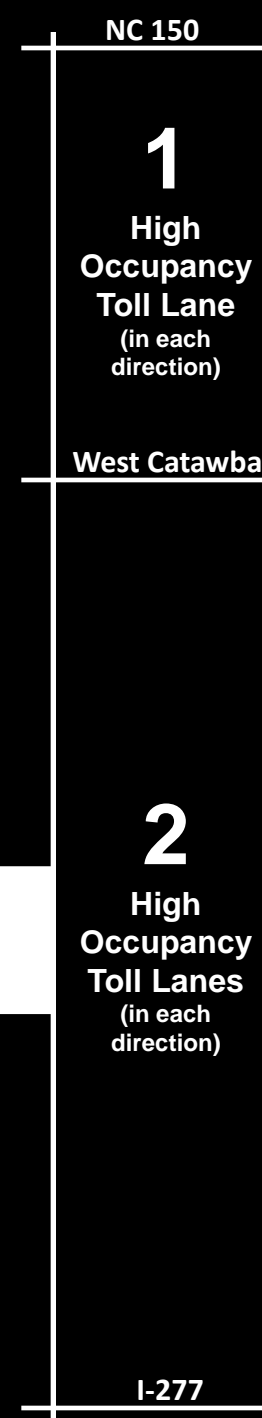
Community Meeting

February 6, 2014

Tonight's Objective

- 1. Noise Wall Treatment Recommendations**
- 2. Ballots & City Council Decision Steps**
- 3. On-Going Coordination**

I-77 High Occupancy Toll Lanes: Overview





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Context:
Proposed Noise
Walls

*Corridor includes
different conditions*

1

North of I-85

Context:

- Mix of neighborhoods & commercial
- Existing concrete noise walls

2

South of I-85

Context:

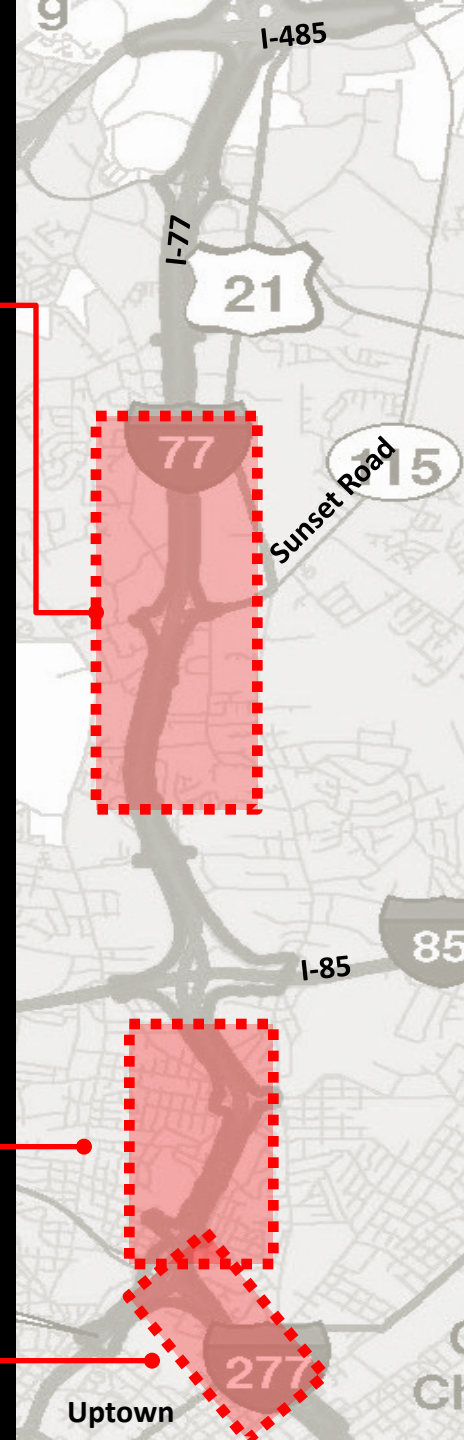
- Established neighborhoods
- Existing aesthetic brick walls

3

Uptown & 4th Ward (I-277)

Context:

- 4th Ward neighborhood
- Uptown/Center City



Noise Walls - I-77 High Occupancy Toll (HOT) Lane Project



North of I-85

Context

Existing walls - exposed concrete aggregate face, steel columns

New walls will extend or be adjacent to existing walls

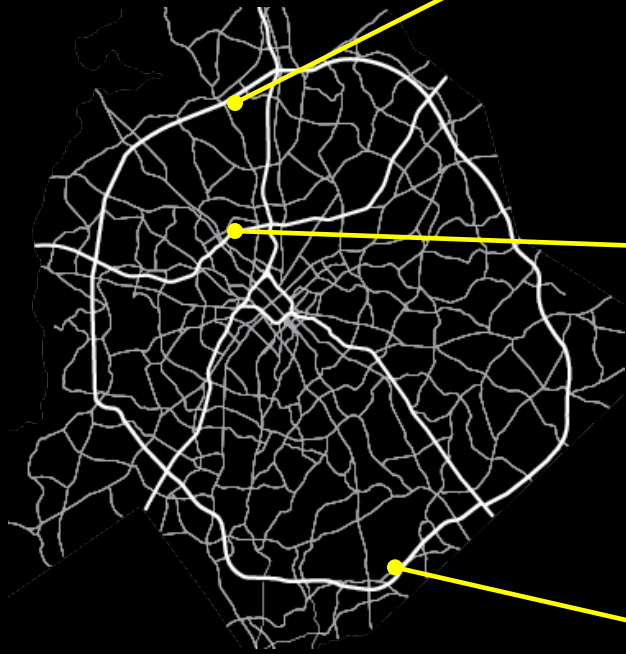
Recommendation

New walls to match existing walls

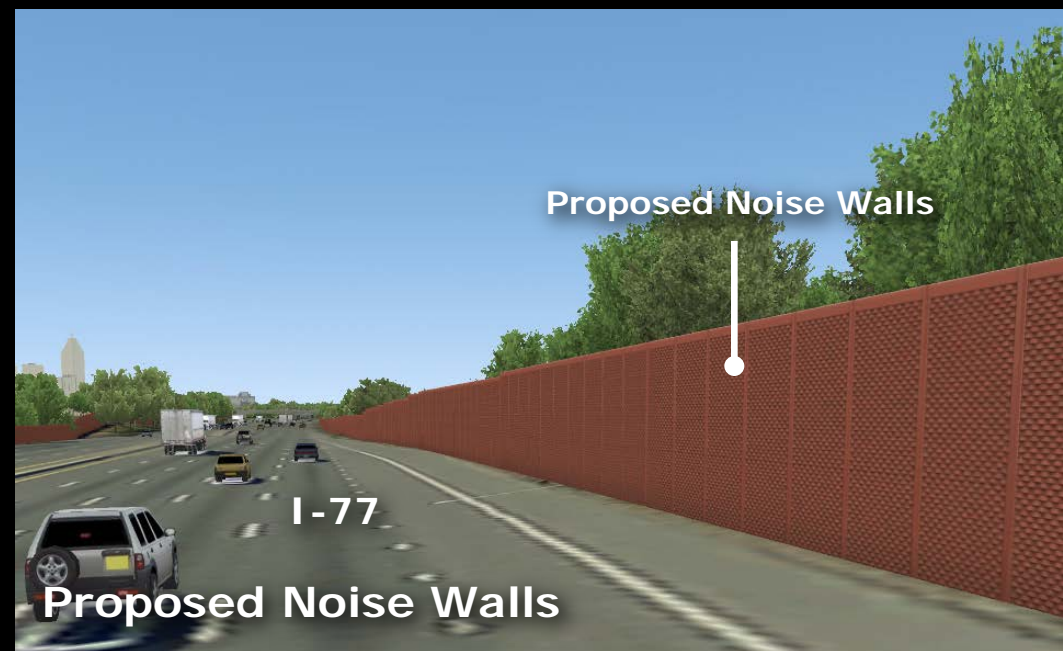
Color/Texture: exposed concrete aggregate face, steel columns

Noise Walls - I-77 High Occupancy Toll (HOT) Lane Project

Consistent with the look
of existing noise walls in
Charlotte...



Noise Walls - I-77 High Occupancy Toll (HOT) Lane Project



South of I-85

Context

Existing brick aesthetic walls

New walls will be located between freeway and existing brick walls

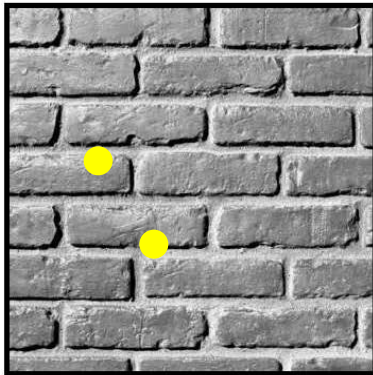
Some existing brick walls to be replaced with new noise wall

Recommendation

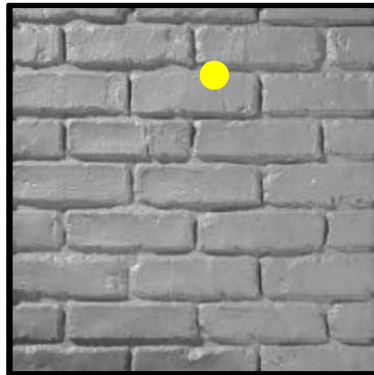
New noise walls to match existing brick walls

Color/Texture: stamped concrete in brick pattern and medium brown color

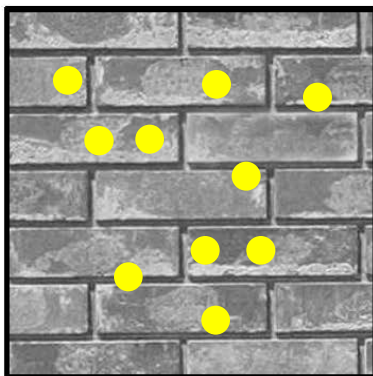
Community Preference: (December Meetings)



1. Used Brick



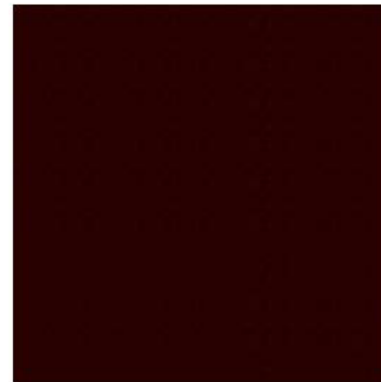
3. Old Brick



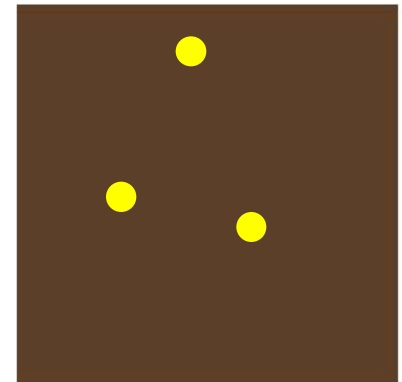
2. Utility Brick



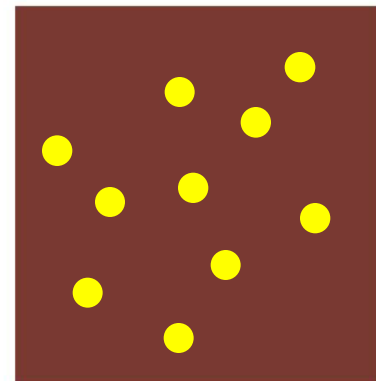
4. Smooth



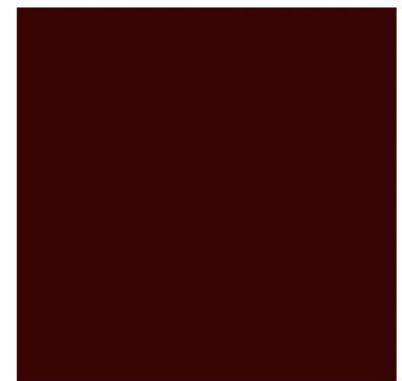
1. Dark Brown



3. Light Tan



2. Medium Brown



4. Dark Tan

Community Preference: (December Meetings)

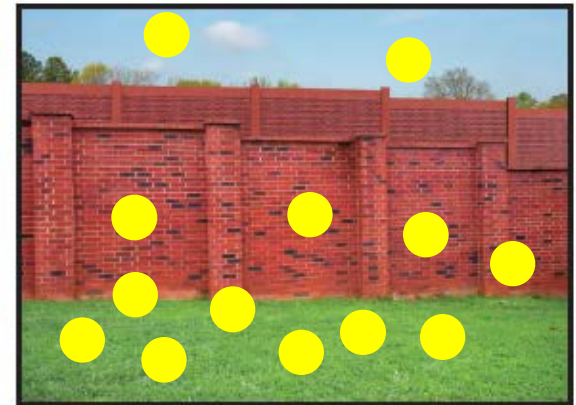
Noise Wall Staining Options



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



Example Visualization:

- Brick Texture
- Medium Brown Color
- Color Panels & Columns



Example Visualization:

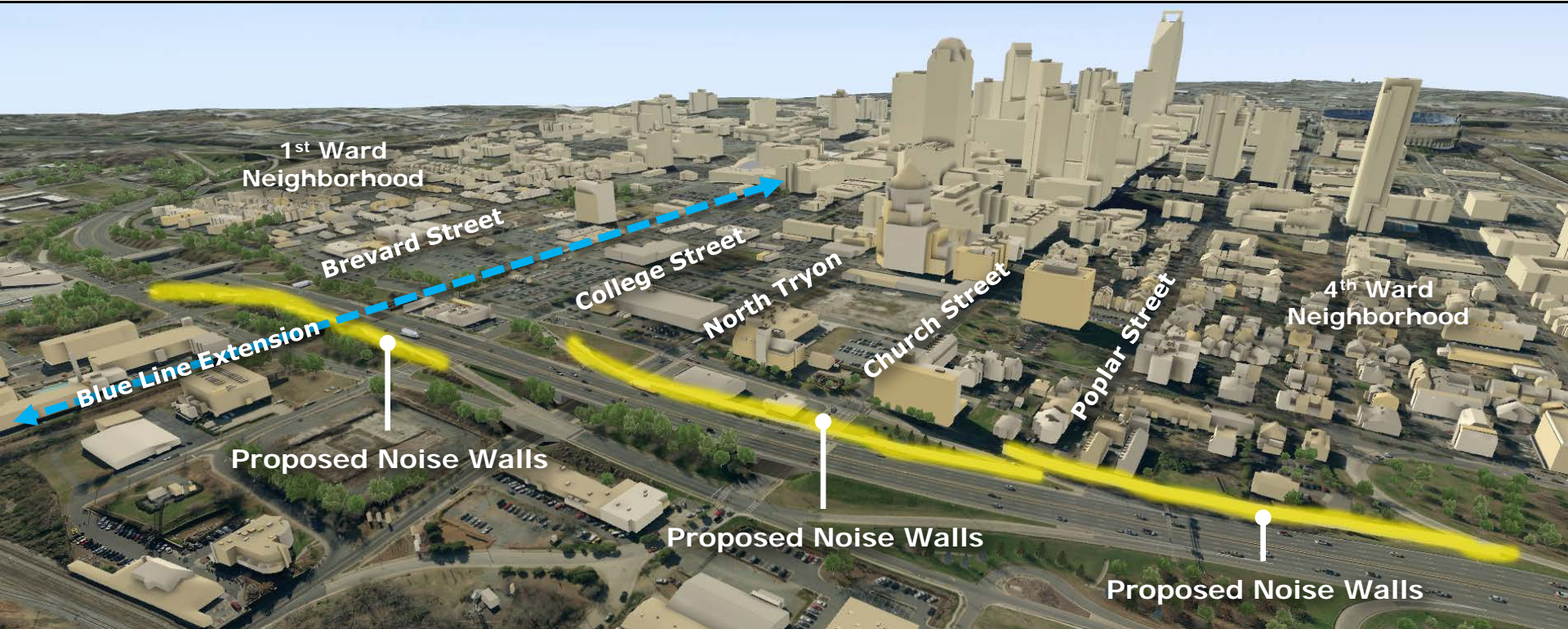
- Brick Texture
- Medium Brown Color
- Color Panels & Columns



Example Visualization:

- Brick Texture
- Medium Brown Color
- Color Panels & Columns

Noise Walls - I-77 High Occupancy Toll (HOT) Lane Project



Uptown (I-277)

Context

Urban City Center
Skyline Views
Elevated Freeway

Recommendation

If noise walls are voted “yes” by impacted properties...

City of Charlotte to work with NCDOT to evaluate appropriate design options



Design Considerations:

- Protecting skyline views
- Minimizing barrier effect
- Color & materials that reflect the character of Uptown



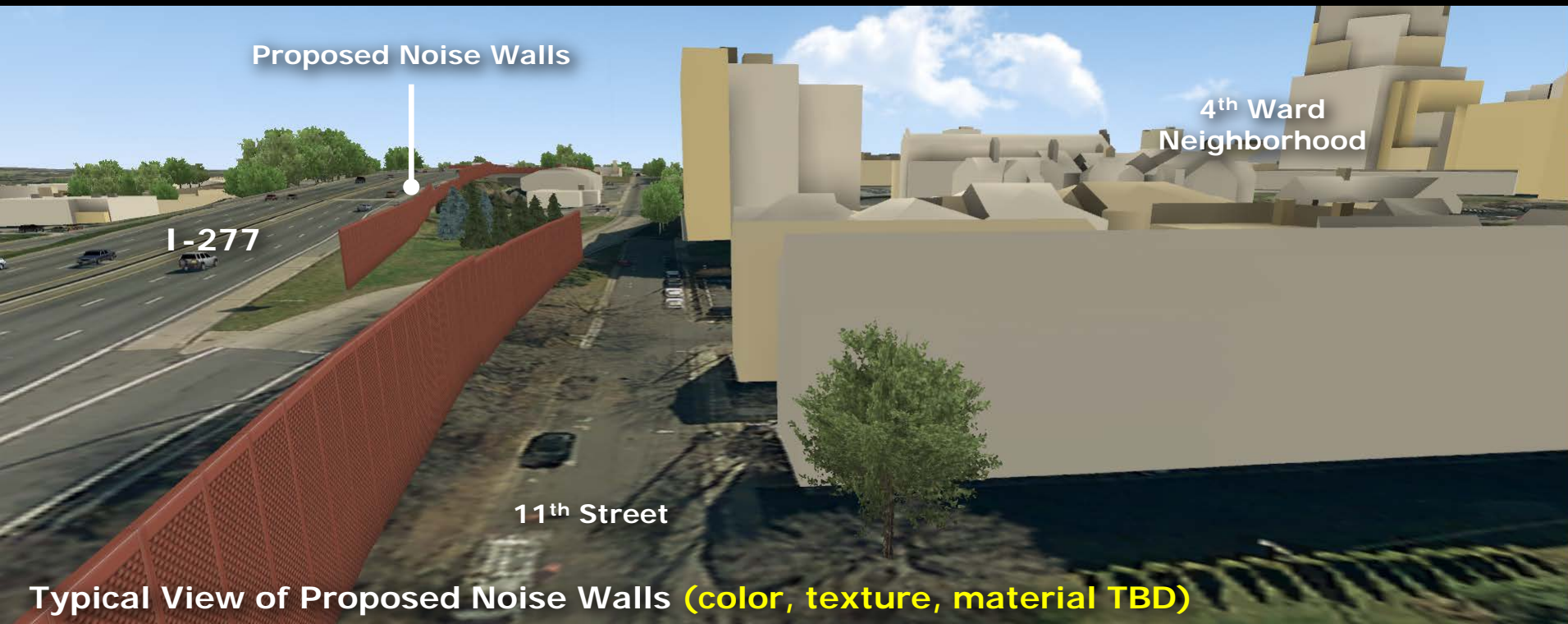
Design Considerations:

- Protecting skyline views
- Minimizing barrier effect
- Color & materials that reflect the character of Uptown



Design Considerations:

- Maintaining visual screening between freeway and neighborhood
- Widening impact on 11th Street
- New retaining walls, additional landscaping?



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- Maintaining visual screening between freeway and neighborhood
- Widening impact on 11th Street
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Noise Walls - I-77 High Occupancy Toll (HOT) Lane Project

Who

What

How/When

1

**Impacted/ benefited
residential properties**

(historically eligible neighborhoods:
McCrorey Heights, Oaklawn Park,
Dalebrook)

**Wall color and
texture**

(neighborhood side)

Ballot/vote

Due Feb. 21

2

**Impacted/ benefited
residential properties**

(Uptown/4th Ward Neighborhoods)

**Wall or
No Wall**

Ballot/vote

Due Feb. 21

3

City of Charlotte

**Wall color and
texture**

Freeway & neighborhood sides

**Community Input, Staff
Recommendation, Council
Action**

Feb. 24

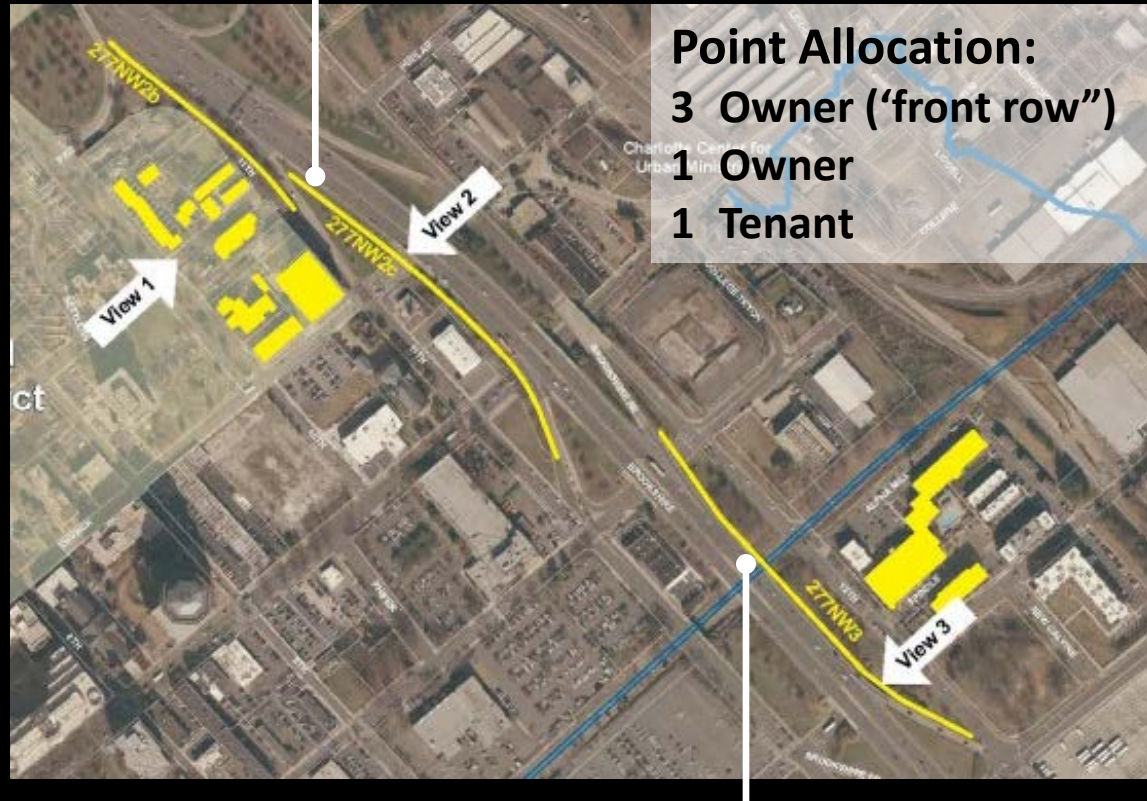
67 Properties

162 Points

82 Points required to “veto” wall

Uptown Wall: Vote Summary

- The owners and tenants of residential property that receive at least a 5-decibel reduction in noise
- Wall assumed “yes” unless a majority (more than 50%) of ballots/points are returned indicating “no”



25 Properties

60 Points

31 Points required to “veto” wall

City Council

Approval - Wall Treatment

- **Transportation & Planning
Committee**

(Feb. 10th, 3:30pm, Room 280)

- **City Council Update**

(Feb 17th, Zoning Dinner Meeting, 5:00pm,
CH-14)

- **City Council Action**

(Feb 24th, Business Meeting, 7:00pm,
CMGC Chamber)



Tonight's Objective

1. Noise Wall Treatment Recommendations
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On-Going Coordination

- **Storm Water**
- **Maintenance & Security**
- **State Noise Abatement Policy**
- **Overall Project Environmental Impacts**

Noise Walls - I-77 High Occupancy Toll (HOT) Lane Project

Issue: Storm Water

Site Specific:

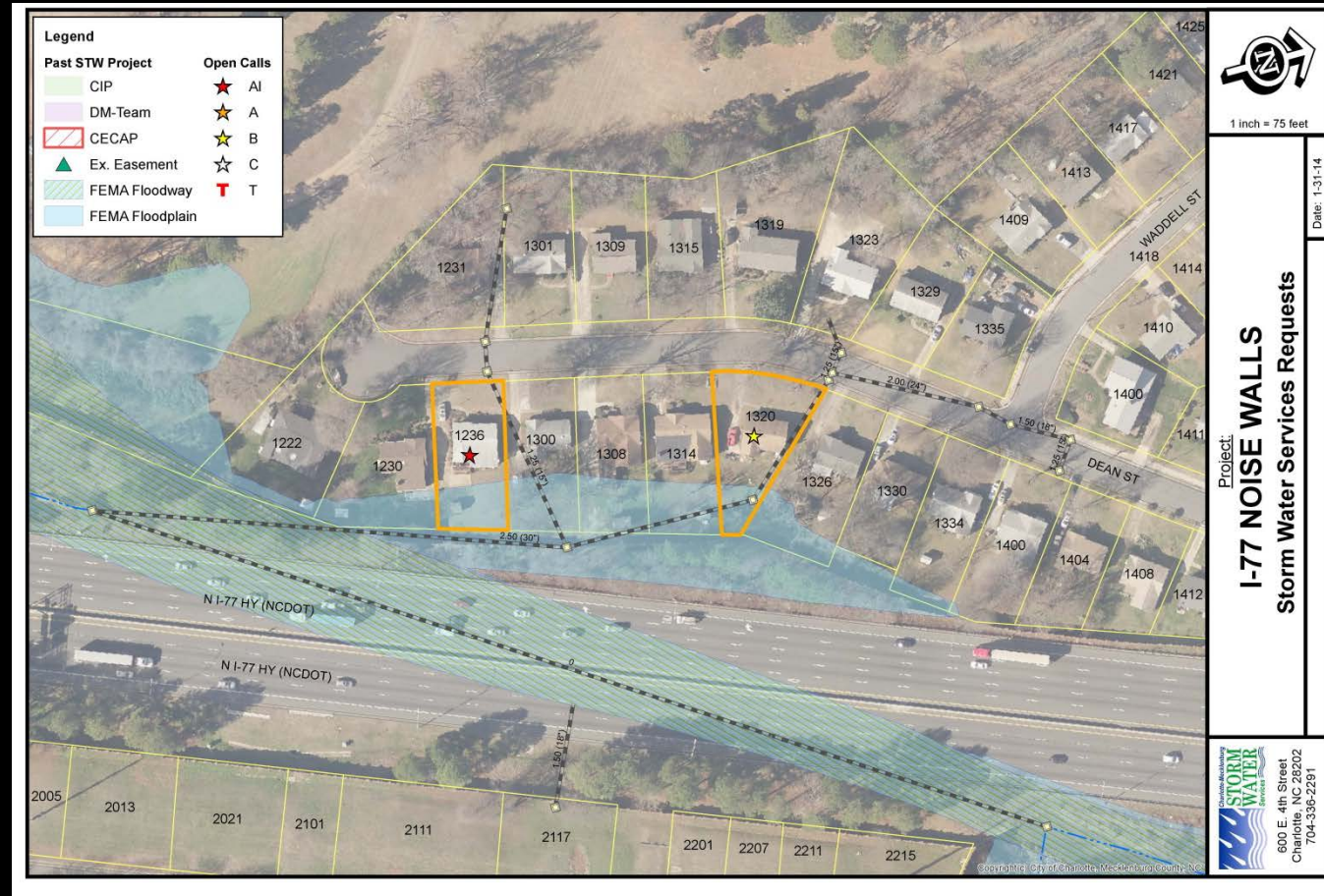
City has received (2)
service requests:

Erosion is occurring likely
due to aging storm water
pipes

Goal to have a plan ready
for construction in 6-12
months

Project Coordination:

City & County Storm
Water staff will be
involved in review of I-77
widening project



Issue: **Maintenance & Security**

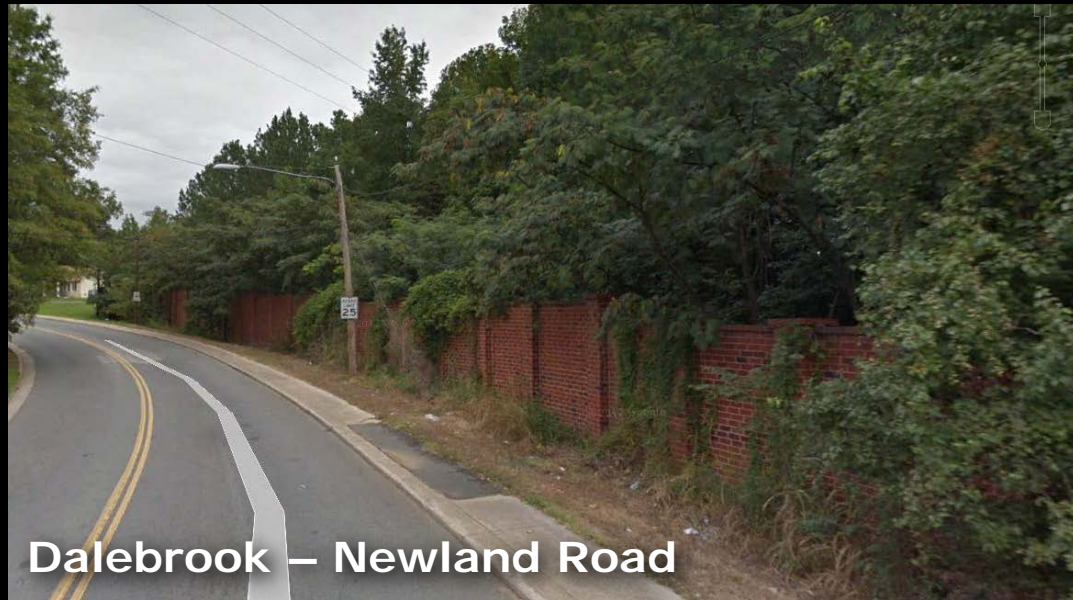
space “between walls”

Need to clear under brush and limb up trees to provide a clear line of sight & maintain wall.

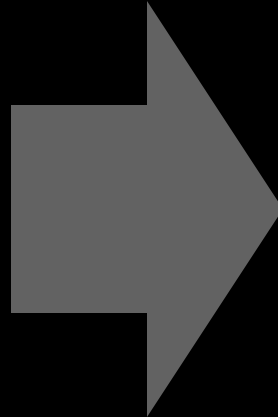
Police Department concerned about controlling access with gates - makes it more difficult to patrol and access.

Next Steps:

City staff to coordinate additional discussions with NCDOT to establish maintenance and security approach

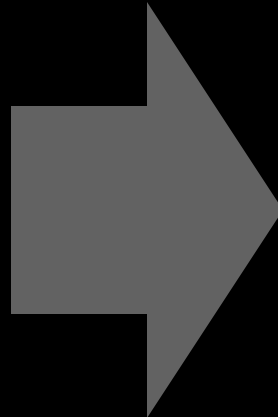


Issue:
**State Noise
Abatement
Policy**



NCDOT to identify future noise abatement policy enhancements based on concerns expressed during this process

Issue:
**Overall Project
Environmental
Impacts**



NCDOT staff is willing to schedule additional meetings to discuss concerns



Additional Questions?

City of Charlotte Contact:

Bridget Dixon
bdixon@charlottenc.gov
704.432.4493

www.charlottenc.gov

Charlotte Mecklenburg
Planning Department

One-on-one with staff...

- Draft Design Recommendations
- Storm Water
- Maintenance & Security
- Environmental Impacts