

West River Wall Reconstruction – Preliminary & Final Design

NYSDOS Contract C1000688 | City Project. No. 16245

Segment 1, Corn Hill Public Meeting

Phillis Wheatley Community Library | 33 Dr Samuel McCree Way, Rochester, NY 14608

November 7, 2018 • 6:00-8:00 PM



This document was prepared for the New York State Department of State with funds provided under Title 11 of the Environmental Protection Fund.

MEETING SUMMARY

Meeting Attendees: Refer to attached sign-in sheet

Welcome and Introduction:

Tom Hack (City of Rochester) commenced the meeting by welcoming attendees. Tom is the City's project manager for the project. Tom then introduced Anthony Borrelli who is the project manager for Bergmann Associates, the lead design consultant performing the preliminary and final engineering for the project. Tom then reviewed the meeting agenda, project team members, explained who the stakeholders were for the Technical Advisory Committee and the Community Advisory Committee. Tom and Anthony then lead the formal presentation, the highlights of which are noted below. A copy of the full presentation is included as an attachment to these minutes.

Project Overview:

Tom Hack explained the primary objective of the project is to improve/restore flood protection. Secondary but equally important project objectives include: providing visual and physical access to the Genesee River, encouraging economic and neighborhood revitalization, creating connections into the adjacent neighborhoods and enhancing connections to the popular Genesee Riverway Trail.

He asked the attendees that during the presentation, to keep in mind the following 4 questions. After the presentation the attendees will be encouraged to respond to them on the index cards that were provided upon arrival. This exercise and resulting input will be critical to shaping the overall design vision of the project:

1. How would you describe the Corn Hill waterfront today?
2. What do you see as the biggest obstacle to enjoying the waterfront?
3. What would you like to do on the waterfront that you can't do today?
4. What is one thing you would NOT want to see on the Corn Hill waterfront?
5. If you could pick any one component of the project to implement (regardless of cost) what would it be?

Where We Left Off:

Tom explained that the project last left off in 2015 with the culmination of the West River Wall Master Plan which recommended the following be implemented:

- Combination of wall/earth berm for flood protection
- Visual and physical access to the Genesee River
- Public gathering spaces
- Naturalized portion of shoreline

What We Have Been Doing



Anthony provided a high level overview of the data collection and site reconnaissance tasks that Bergman and the City have been working on over the past 9 months since the start of the design phase. Given the site complexities and number of involved agencies from which construction permits will need to be secured, a lot of detailed information is needed before final design can begin. Please refer to Slides #16-24 on the attached presentation and below are the highlights of this portion of the presentation.

- **Property Ownership** – The north end of the project site is on the Corn Hill Landing property owned by Mark IV. The City is currently in discussions with Mark IV to amend their existing public easement on this property to include the necessary construction, use and maintenance of the property as part of the Corn Hill riverfront park. The City is also coordinating with the NYS Canal Corporation for use and occupancy of their property which is right along the river for the project.
- **Environmental Testing** – Given the former historic industrial and railroad uses of the project site, over the summer a total of 32 borings and 10 monitoring wells were advanced down into bedrock along the project site. The purpose of these was to collect soil and water samples for lab testing to check for the presence of any hazardous or contaminated waste. A small area containing petroleum was found near the south end of the site and a few other small areas of concern were found, however all of these will be mitigated during construction consistent with regulations for the intended project use of the site.
- **River Wall Condition** – A structural condition and stability assessment was performed of the wall both above and below water and including survey and concrete strength testing. The results indicate that the wall is in poor condition with significant widespread deterioration. Additionally, supplemental stability measures are needed in some locations to meet current design code requirements.
- **River Hydraulics, Flood Protection and Opening Up Access/Views** – Anthony explained that flood protection is the primary project objective while still finding a way to provide improved physical and visual access to the river. The team has spent considerable time refining and improving the hydraulic river modeling and water level predictions so that the new wall heights can be set. River modeling improvements included; updating the river bottom survey, calibrating the models with recent actual storm event water level data, investigating concurrent storm and ice events (similar to what was seen last winter) and most importantly accounting for the effects of climate change using methodologies established by the United States Geological Survey (USGS) agency.

The new line of flood protection will be set using the computed 100-yr storm event flows (accounting for the effects of climate change) and then adding another 3 ft of additional wall height (aka “freeboard”) above this. This new top of protection is approximately 1 to 1.5 ft below the top of the existing wall. It was noted that the proposed line of protection elevation can contain the 500-yr storm as well as storm that is approximately 1.5 times that of the 1972 Agnes storm as a point of reference.

The line of protection will be established by a combination of using the repaired existing wall in some locations and in other locations using a berm carrying the trail set back from the river. In areas where the line of protection is formed by the berm, the existing wall can be cut down anywhere from 4 to 9 ft opening up views, access and even creating a naturalized shoreline in some areas.

Anthony then shared a few photo-simulations depicting the before and after concepts of the various wall/berm treatments.

- **Exchange St. Improvements** – Anthony explained that the project work will be mainly focused from the east Exchange Street curblin over to the river. The Exchange St. improvements included with the project



will be the addition of two, enhanced, designated crosswalks – one at the existing South Fitzhugh Place/Exchange Boulevard intersection and a new, mid-block crosswalk across from the Pedestrian Mall location. The team is also exploring the addition of a few car-top boat parking spaces near the north end of the project. The City has plans to do a major reconstruction of Exchange Street sometime around 2020 and at this time things such as narrowing the road and raised table intersections can be further explored as traffic calming measures.

It was noted that improvements to the Pedestrian Mall itself are outside of the scope of the project since this private property. The crosswalks will feature mid-block refuges and ADA compliant curb cuts/landings. Although these crossing areas don't meet the required warrants for installation of a traffic signal, the design team recognizes the need for improving pedestrian safety and are exploring the use of Rectangular Rapid Flashing Beacon (aka RRFB's) which can be activated by pedestrians to alert motorists of their crossing. An example of these is at Chestnut St/Howell St near the Museum of Play.

Options for treatment of the crosswalk surfaces range from "basic", high-visibility traffic striping up to more ornate stamped/colored concrete. The more ornate crossings do have a higher initial cost (which could take away funds that can be spent on the project site itself) and tend to look "ragged" over time due to wear, plows, utility trench cuts, etc. It was discussed that maybe it was best to put in simple crosswalks now and see how the pedestrian usage occurs over time and possibly do more with the 2020 Exchange St. reconstruction project. Anthony then presented several photo-simulations of what potential crossing treatments could look like and asked the attendees to weigh in on their thoughts on what level of ornamentation is desired for the crosswalks.

- Lastly, Anthony explained that since Bergmann has been involved with the project for so long, they have hired W Architecture & Landscape Architecture, LLC as a subconsultant. W Architecture specializes in urban waterfront transformation. Their role is to provide a fresh, outside, independent perspective to counsel and perform critical reviews of the design work.

Adjacent Initiatives:

Anthony gave an overview of the Genesee River initiatives that are ongoing in proximity to the Corn Hill project. These include the Vacuum Oil BOA project and The Roc-the-Riverway initiatives. The Vacuum Oil BOA project is still in the master planning phase for the near-shoreline parks and open space plan and will feature very similar project objectives as the Corn Hill Segment. There is currently no construction funding identified yet for the Vacuum Oil segment which is still a number of years off. The first round of funding (\$50M) and first 12 projects were recently identified by the Governor's office for the various Roc-the-Riverway initiatives. Of interest to the Corn Hill project, the first round of funding has earmarked financial resources for Corn Hill Navigation.

Where We Are Headed:

Anthony reviewed the remaining design tasks and timeline to start construction which is currently anticipated for the summer of 2019 with a project completion by the Fall of 2020.

Share Your Input:

Anthony and Tom explained possible opportunities for community partnership. Opportunities discussed include:

- Adopt a brick, chair, piece of the project
- Assistance with maintenance of gardens, planters, section of the path
- Stewardship the property (keep it fresh, maintained, and free of litter)
- Place making (Naming a Park)



Tom then urged the community to express their ideas and suggestions for establishing a name for the newly created project. Tom reviewed the “guidelines” when pitching ideas for the name.

Questions & Answers:

Questions on the presentation were then solicited with input provided by Tom/Anthony as follows:

1. What type of fill material was found under the surface?
Response: Cinders, ash and general construction debris and materials consistent with the former heavy industrial and railroad use of the property.
2. When the environmental testing was done, was the entire area found to be contaminated?
Response: No, there was only a localized area at the south end of the site, near Ford St. where petroleum was found and a few other very isolated areas with low levels. All of which will be mitigated during construction to be within standards for the proposed use of the project.
3. What is the plan for the river bottom to accommodate small boating activities?
Response: It is acknowledged that the river is very shallow in spots due to sedimentation which can fluctuate based on location and time of year. Addressing the overall river sediment levels in this reach of the river is beyond the current scope of the project which does not include any river bottom modifications.
4. What is the plan to minimize the sediment accumulation in the river?
Response: See response to Comment #3 above
5. Are the hydraulic results expressed in feet or inches?
Response: The elevations presented on the presentation slides are in feet above sea level
6. How does the proposed wall elevation compare to the wall on the other side of river?
Response: Very similar in height
7. What is the depth in the middle of the river
Response: Approximately 12 feet
8. What is the plan for line of protection for the Vacuum Oil segment?
Response: The Vacuum Oil project is still in the parks and open space master planning stage. As such, final wall heights and methods of forming the line of protection have not yet been established. This is a decision to be made during subsequent preliminary and final engineering design phases. Once this does happen there will be public engagement and input opportunities to explain, discuss and provide input on the line of protection.
9. The water levels behind the Mt. Morris Dam during the 1972 Agnes Storm Event came within 6 ft of overtopping the spillway and people were concerned that the dam would fail.
Response: Tiphaine Ketch, the hydraulics engineer from Bergmann indicated that the concerns with the dam during the Agnes storm were not related to the structural integrity/stability of the dam, but rather with the enormous amount of debris (trees, etc.) that might wash downstream, which would block downstream bridges and culverts and cause damage. The structural performance of the dam was never in question.
10. Will the line of protection be designed for a possible failure of the Mt. Morris Dam?
Response: See response to Comment #9 above. Also, it is not practical to design an isolated section of the Corn Hill riverwall to hold back the Genesee River assuming the Mt. Morris Dam was not present. This is



because the walls would need to be very high and the floodwaters would still get behind the walls from numerous locations upstream where the walls are not that high.

11. Is there a better proposed option of opening views and access to the river that include not cutting down so many trees?
Response: There has to be a careful and thoughtful balance between the primary objective of improving flood protection and the secondary objectives of improving river access and opening up views. You cannot have all one or the other. This requires that some of the existing trees (many of which were not intentionally planted or of high quality species) be removed in areas where they could possibly compromise the flood protection components with their roots and impacts if they should tie and topple over. Excluding trees in these areas is a requirement of our design requirements from FEMA and the USACE. Having said that however, it is recognized that having as much landscaping and trees as possible is highly desired and the final design will take this in consideration.
12. What mid-block crosswalk need are you responding to Plymouth/South Fitzhugh Place?
Response: While current pedestrian traffic across this intersection may seem to be low, the intent is that after the project is constructed people will want to utilize the new park and volumes will increase. The crossings are proposed for this future condition.
13. Where are you getting these ideas for multiple cross-walks from?
Response: See response to Comment #12 above. Additionally, the two crossings currently shown are a result of prior public input during the master plan phase of the project.
14. Will this presentation be put online on attendees to review?
Response: The City will post the minutes and presentation from tonight's meeting on their website.
15. Where will the griffin monument be relocated to?
Response: It is understood that moving the Griffin out of the roadway median is a high priority. This will be incorporated into the final plans however the exact relocation location has not yet been determined.
16. Is public art required in this project?
Response: The design, fabrication and installation of public art is not currently part of the City's project. The Corn Hill Neighborhood Association is actively thinking about ways to incorporate public art. The design can accommodate/designate space for public art if the community desires this and puts forth some ideas.
17. Has thought been given to safety with more people being able to access the water?
Response: All of the new design will be compliant with the requirements of the Americans with Disability Act. Areas along the river edge will be treated similarly to what currently exists along Corn Hill Landing and the riverwalk across the river from Corn Hill. It is not anticipated that railings will be installed along the river's edge.
18. When is the next Vacuum Oil Meeting?
Response: Wednesday, November 28, 2018, 6pm at Phillis Wheatley Community Library
19. Are you actually removing the river wall?
Response: Yes, the existing wall will be lowered by varying amounts and refaced/rehabilitated along the length of the project to open up river views and access. The amount of lowering varies, please refer to the table on slide #23 of the presentation which shows the approximate amounts of wall lowering in the various areas.



20. With a 2-year construction plan and truck traffic during this period and a large construction site. What will be the impacts on Exchange St.?

Response: This is a congested site with a lot of earthwork and other heavy construction operations. During construction there will be an increase of construction truck traffic along Exchange Street. There will also be dirt, dust and noise associated with the work operations. However there will be restrictions and regulations in the construction documents that the contractor will be required to follow to minimize the impact to the greatest extent possible. Night time work will be prohibited. The site will be torn up for a large majority of the 2 year construction season as this is unavoidable.

Additional Comments Received:

The following additional comments were received as part of the general question and answer period and/or after the meeting not requiring a response:

- Thank you for the very thorough presentation made last night. I was a thrilled to see all of Corn Hill's activism over the years come to fruition - to make the river visible and user friendly to boaters and our community. I was one of many who helped organize the charrette. I was at the presentation about the Corn Hill and Canal/River Walkway project. I am requesting to be added to the email list to receive a copy of the power point presentation last night Nov. 7 at the Phillis Wheatley Library. I have an idea for a name of the park. The Dorothy Day River Walk. Dorothy Day was the founder of the Catholic worker movement and lived in Rochester for several years. My friend Betty Gleason met Dorothy Day when she was a teenager and attended Immaculate Conception Church in Corn Hill. Dorothy Day helped to found St Joseph's House of Hospitality on South Avenue. St. Joseph's serves hot lunch to the hungry Monday thru Friday to this day. They have a housing program for the homeless and Bethany House (1111 Joseph Ave) homeless children and mothers to this day. The Pope is interested in making Dorothy Day an American Saint. FYI Betty was born in her house on Hubbell Park and was a lifelong resident. I will look to see if Dorothy Day lived in Corn Hill at any point.
- Possible crosswalk use RRFB System. This is a must have for safety. Has worked in Canandaigua.
- Possible name suggestion: "Cornhill Commons Riverway" - it matches what's across the street for its full length; it connects to the downtown "Riverway".
- Tom Hack, the crosswalks at South Plymouth Avenue should be improved identical to those proposed for the Fitzhugh Connector. A mid-block crossing or the crosswalk proposed for Fitzhugh Connector should be added to the private parking court entries for Cornhill Landing and Cornhill Center.
- Possible name suggestion: First African American doctor in Rochester name is Dr. Jordan, he lived in Cornhill; "The Jordan River Walk"
- Hold meeting at PLEX Neighborhood Association.
- ADA accessibility to river.
- Plymouth / Exchange should be a priority.
- We should adopt the Canandaigua downtown / flashing lights.
- Corn Hill boat welcome to come back.



Public Engagement Portion of the Meeting:

The 4 questions presented at the start of the meeting were repeated and the participants encouraged to respond on their color coded cards. Below are the responses received for each question.

1. How would you describe the Corn Hill waterfront today?

- Unsafe
- Sterile
- Where is the griffin going?
- The intent is for pedestrian walk way, but what accommodation for bikes? Are they prohibited? Or there be signage for both to coexist? Bike lock up stations?
- Sequestered
- Ok – friend compared it to Buffalo – which they like a lot better, they say Rochester is slacking
- Waterfront today, what waterfront?
- Waterfront, blocked/unsafe
- Access for water skiing, water sport competition
- Decade area needs spring up
- It's messes needs help
- Access

2. What do you see as the biggest obstacle to enjoying the waterfront?

- Nothing
- Lack of businesses and activities
- Existing wall
- Chairs/people to sit and enjoy
- Pedestrian accessibility, definitely would like to see wig/wag lights, high visibility signage, as much greenspace as possible, diverse landscape
- Accessibility ability to cross walk on Exchange for road east of street, keep pedestrian mall area in plans
- River turbidity
- Enjoying waterfront hard to access, fast unresponsive traffic pedestrians ignored, No traffic Control!!
- Access (2)
- The walls! Need more access crossings
- "space" and parking
- There nothing to draw you to it...
- Pedestrian safety
- Biggest obstacle? Not enough money and/or planning to maintain the area when completed
- Traffic on Exchange
- Ongoing maintenance? planting etc. flowers? is it in the budget? for the future?

3. What would you like to do on the waterfront that you can't do today?

- Swim area or party bar
- View public art, interactive
- See art, see exercise stations
- Views
- Launch a kayak
- Picnicking
- More lounge areas for picnickers and reading



- Boating – kayak, have a cleaner river to look at...water is very dirty
- Easy canoe access
- Picnic, walk at night
- Swim
- A lowered wall

4. What is one thing you would NOT want to see on the Corn Hill waterfront?

- Water features, the river is the feature
- A lower wall
- Opportunities for exploitation where others make money that is not accessible for all. Do not create these to a narrow point.
- Not on riverfront food trucks, food, waste paper
- No commercial development
- Food establishment
- Too much paving, too little landscaping
- No more high rise....
- Not want to see? A bar or high-rise apartments
- No safety fences
- Isolated

5. If you could pick any one component of the project to implement (regardless of cost) what would it be?

- Public art
- As many trees as possible
- Greenspace, flowers, landscape
- Any easier way to the Southwedge and Cornhill to get to....
- The dormant forests of the area were hickory/hemlock we should be focusing on these or other native trees. P.S. The Paw is native to area shorelines
- A music fest
- New component, toilet facilities
- Flash street light on Plymouth
- Dream Big? Reduce Exchange Blvd to make it more of a park like road, not an expressway.
- Dream Big? I would like to see rock star gardener do an Oolof planting – large garden
- 1,500,000 set aside for planning, creating gardens including community gardens and connecting our river way to Highland Park and the Lilacs and Azaleas plantings there.
- Just finish the project. Do what they do in any or most Canadian cities, towns.... Plant flowers, trees
- Artwork, local artists
- Traffic calmer, Exchange
- Enroll UofR / RIT students and staff and fund their participation annually in new additions for the park, green amenities
- 200,000 set aside for a birding station to watch and photograph birds, bird feeding spots and habitat protection
- Pool the community

Next Steps:

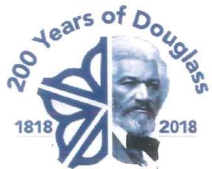
The meeting concluded with a review of next steps outlined as follows:

- Master Plan Revisions | November
- Community Advisory and Technical Committee Mtgs | December



- Preliminary Plans | Early Winter 2019
- Final Construction Documents | Spring 2019
- Construction | Summer 2019 - Summer 2020

The meeting concluded at approximately 8:00 PM.



November 7, 2018

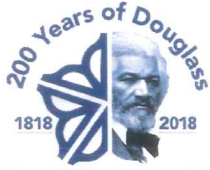
West River Wall – Preliminary and Final Design Public Meeting #1

City of Rochester, NY
Lovely A. Warren, Mayor
Rochester City Council

Name	Affiliation	Email address
1 Janice L Howard	Home Owners	Jhowar5@rochester.ny.gov
2 Henry McCartney	Homeowner & CHNA	henry.mccartney@gmail.com
3 Noah Winslow	RIT	ncw1577@rit.edu
4 Rob W. Goodling	CHNA member	rwgoodling@tvc.com
5 John Curran	SWCC	je.curran@rochester.ny.gov
6 Greg Nossen	S. Plymouth Business Assoc	PNossen@aol.com
7 Mike Sorenson	Neighbor	MSorenson@hotmail.com
8 Mike & Anne Dupin	Neighbor	mdupin1959@gmail.com
9 John Lightfoot	COTS NA	
10 Carol Elizabeth Owens		
11 Steve B...		STEVE@STUDIOVASTUTZ.COM
12 Janet Lake		
13 Randy Webb	RESIDENT - CORNHILL	WEBBER@FRONTIER.COM
14 Diane & Michael Braun	Cornhill neighbor	michaelbraun@gmail.com
15 Tony Giles	Home owner - Cornhill	toby957@frontier.com
16 Melissa Barnett	H/O	missibb9@gmail.com
17 Erik Frisch	CITY OF ROCHESTER	erik.frisch@cityofrochester.gov
18 Peter Debes	Stroma Club / PLEX	peter8245debes@grail.com
19 Sue Perro & Bob Conklin		stpm@frontiernet.net
20 Jennifer Thistle	Homeowner	jenmbell7@gmail.com



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November 7, 2018

West River Wall – Preliminary and Final Design
Public Meeting #1

City of Rochester, NY
Lovely A. Warren, Mayor
Rochester City Council

	Name	Affiliation	Email address
1	Tony Borrelli	Bergmann	aborrelli@bergmannpc.com
2	Lew Jones	CHNA Board	lewdjones@gmail.com
3	P Howard		
4	DON BRENNAN	NEIGHBOR	DB766@AOL.COM
5	NICK/ANN TAMBURRINI	CHNA	tanbvl@rochester.ny.gov
6	John Thomas	self	johntr10@gmail.com
7	Arij Cheremeteff	Bergmann	acheremeteff@bergmannpc.com
8	Judy Simser	Neighbor	jsimser@yahoo.com
9	Brad Fort	Neighbor	bfort@rochester.ny.gov
10	Mike P...	Neighbors	mike.purpaul@rochester.ny.gov
11	HOWY BARRETT	CORE	CITY
12	Joe Rabinovich	Neighbors	rabinov85@gmail.com
13	Andy Truste	"	
14	Eugene Chen	Neighbor.	pieces0220@hotmail.com
15	Kenny Wu	"	sanny02040204@hotmail.com
16	Michael Read	il	michael.h.read@gmail.com
17	Dorian Hoe	PLEP.org	dorian@PL-EP.org
18	Richard Rosen	Markiv	vrosen152@gmail.com
19			
20			



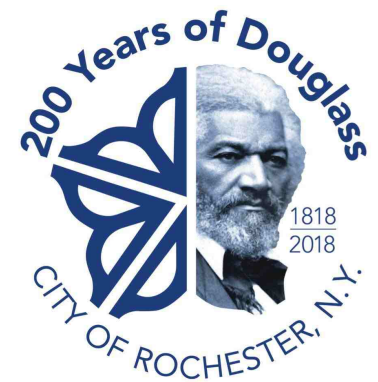
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West River Wall – Corn Hill Segment

PRELIMINARY & FINAL DESIGN

Public Meeting
November 7, 2018



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AGENDA

- Introductions
- Project Overview
- Where We Left Off
- What We Have Been Doing
- Adjacent Initiatives
- Where We Are Headed
- Share Your Input
- Next Steps

Introductions

DESIGN TEAM



Introductions

TECHNICAL ADVISORS

- NYS Department of State
- NYS Canal Corporation
- NYS Department of Environmental Conservation
- NYS Historic Preservation Office
- Monroe County (Pure Waters, Traffic)
- United States Army Corps of Engineers
- Federal Emergency Management Agency (FEMA)
- NYS Department of Transportation

Introductions

COMMUNITY ADVISORS

- Corn Hill Community & Development Outreach Committee
- Corn Hill Neighborhood Association
- Rochester Bicycling Alliance
- University of Rochester
- Rochester Regional Community Design Center
- SW Rochester
- 19th Ward Representatives
- Plex-SW Rochester Representatives
- Landmark Society



Project Overview

PROJECT OBJECTIVES

- Improve/restore flood protection
- Provide visual and physical access to the Genesee River
- Economic and neighborhood revitalization
- Create connections to the neighborhoods
- Enhance connections to the popular Genesee Riverway Trail

CONSISTENCY WITH PRIOR STUDIES & PLANS

- City's Local Waterfront Revitalization Plan (LWRP)
- Corn Hill Waterfront Master Plan
- Corn Hill Community Vision Plan
- Roc the Riverway Plan
- Vacuum Oil Brownfield Opportunity Area Master Plan
- Vacuum Oil BOA Step 3 Implementation Strategy



How would you describe the
Corn Hill waterfront today?

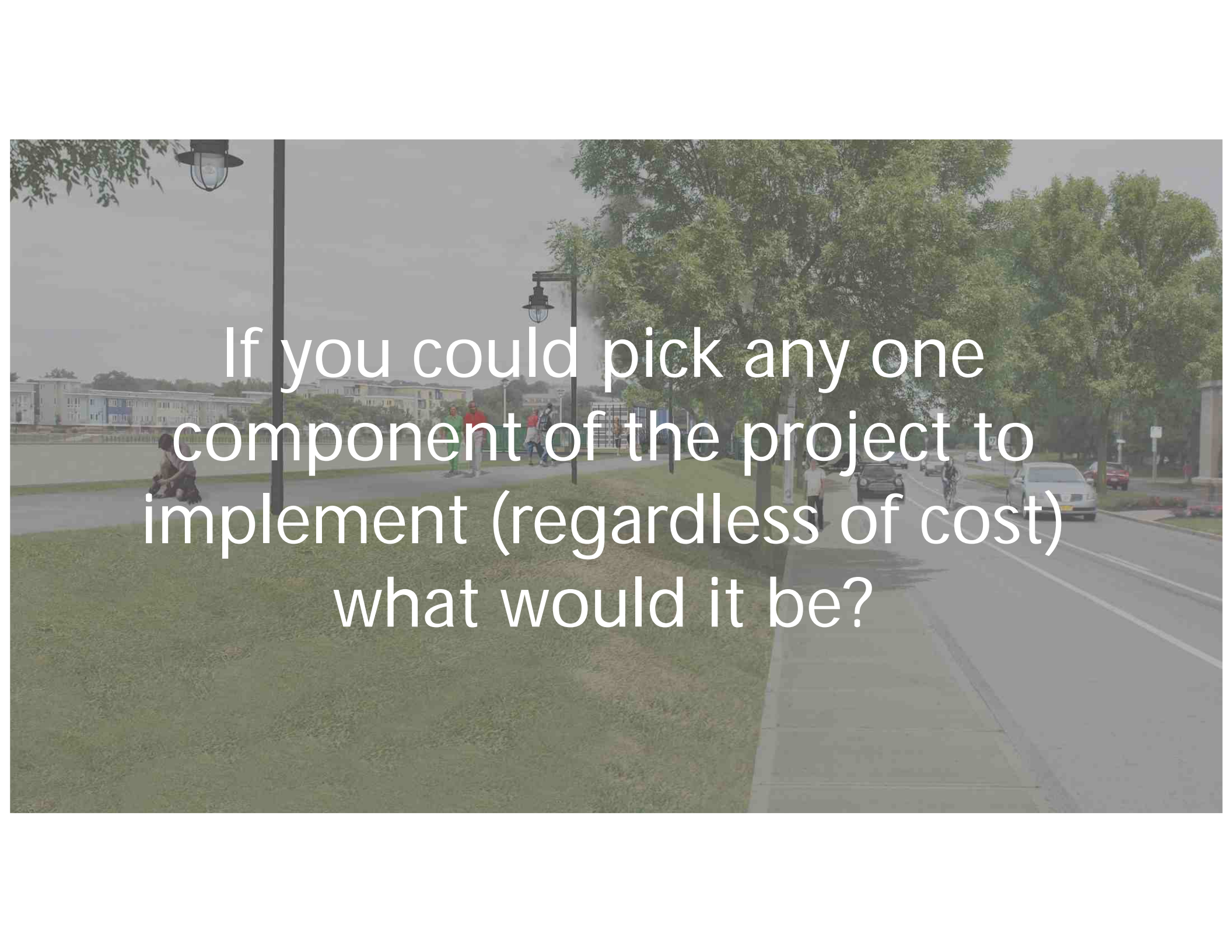
A photograph of a waterfront area with a grassy lawn, a paved walkway, and a road with cars. The image has a reddish tint. Overlaid text asks: "What do you see as the biggest obstacle to enjoying the waterfront?"

What do you see as the biggest obstacle to enjoying the waterfront?

What would you like to do
on the waterfront that you
can't do today?



What is one thing you would
NOT want to see on the Corn
Hill waterfront?

A photograph of a city street scene. In the foreground, there is a grassy area on the left and a paved sidewalk on the right. A road with several cars is visible in the middle ground. In the background, there are trees and multi-story buildings. The image is overlaid with white text.

If you could pick any one component of the project to implement (regardless of cost) what would it be?

Where we left off...

2015 Master Plan & Preliminary Wall Plans



2015 WEST RIVER WALL MASTER PLAN

- Combination of wall/earth berm for flood protection
- Visual and physical access to the Genesee River
- Public gathering spaces
- Naturalized portion of shoreline

Legend

- | | | |
|---|--|---------------------------------------|
| 1. Reinforced Wall & Tie Back to Natural Barrier or Berm | 5. Enhanced Intersection at Fitzhugh Place Pedestrian Connection | 9. Activated Space |
| 2. Naturalized Shore Line / Environmental Education Station | 6. Enhanced Intersection at Corn Hill Pedestrian Connection | 10. Tie Up for River Programming |
| 3. Boat Dock | 7. Pedestrian Plaza / Overlook | 11. Plant Large Shade Trees in Median |
| 4. Pedestrian / Bike Path | 8. Informal Grass Amphitheater | |



WEST RIVER WALL | CORN HILL

WEST RIVER WALL PRELIMINARY & FINAL DESIGN

January 2015 - 50% wall reconstruction plans / 15-20% Trail & Landscape Plans

 **City of Rochester, N.Y.**
Department of Environmental Services
West River Wall Reconstruction Project
50% Design Drawings
(Not For Construction)
City Project #12236
NYSDOS Contract # C007067

 **Bergmann**
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architects // engineers // planners

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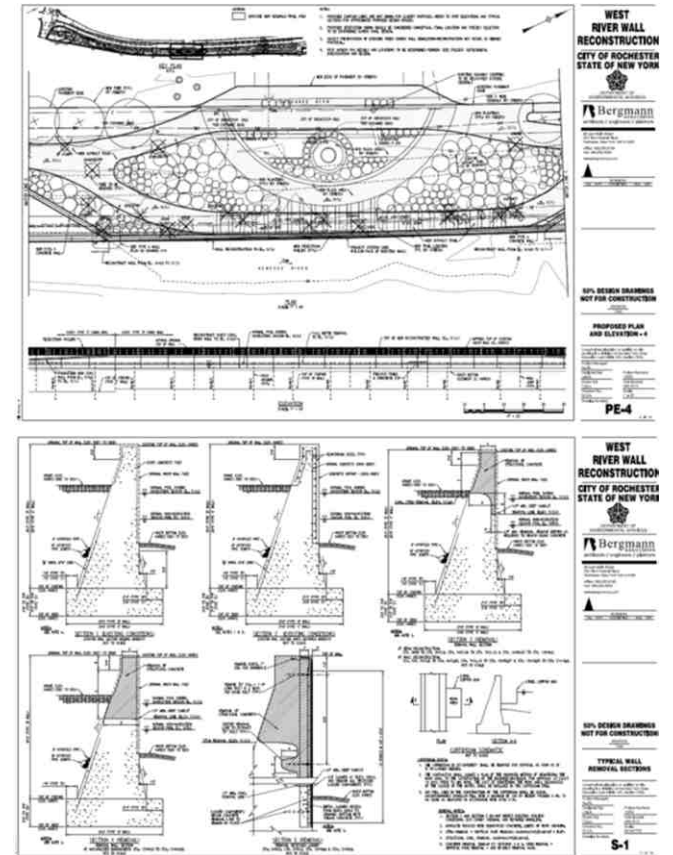


LOCATION PLAN



OVERALL LOCATION MAP

CS-1



WEST RIVER WALL PRELIMINARY & FINAL DESIGN

What We've Been Doing...

Work during past 9 months

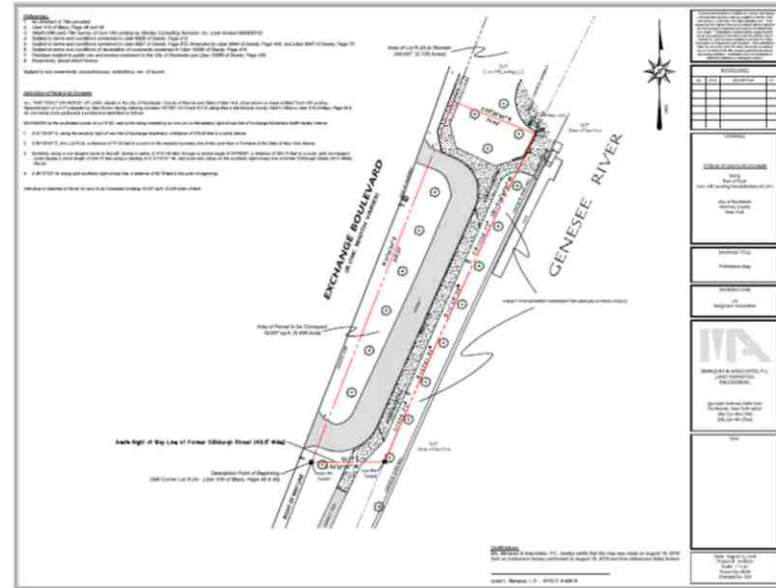
Property Ownership



Right-of-Way Coordination

- Mark IV:
 - Several meetings held over the summer - Mark IV is amenable to improvements
 - Exploring modifications to current easement language to allow construction
 - Some additional soil testing needed

- NYS Canal Corporation:
 - Working on a master funding agreement with access and maintenance conditions



Environmental Sampling & Testing

- Locations determined according to historic site uses (former coal yard, railroad, lead works, gas station)
- 22 soil borings (8 also used also for structural information)
- 10 additional borings to pin-point an area of concern
- 10 groundwater monitoring wells
- Laboratory analysis of both soil and ground water

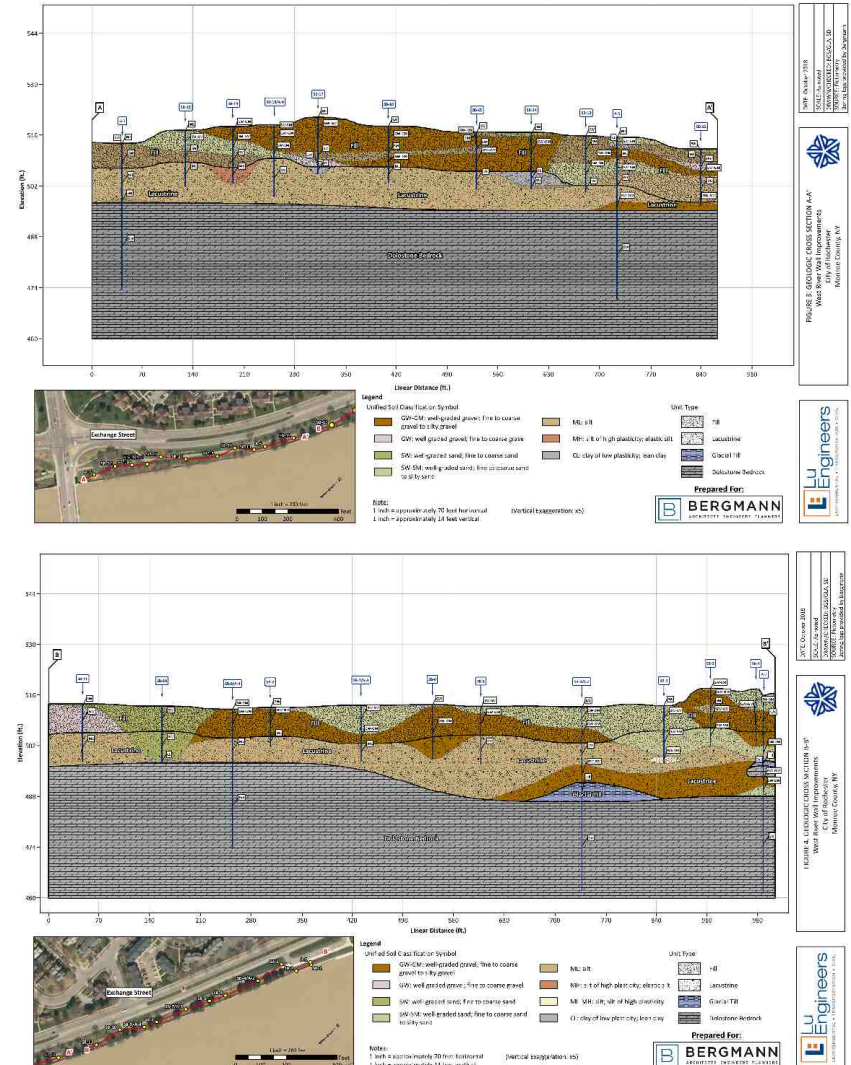


Legend

- Soil Boring with 25 feet of Rock Core
- Environmental Boring
- Structural/ Environmental Borings

Environmental Sampling & Testing - Findings

- Fill material consistent with former uses found throughout the site:
 - Can remain on-site with a cap layer of clean material or impervious surface
 - Excess material needs to go off site to a regulated landfill
- Any areas in exceedance of the planned use soil cleanup objectives will be removed
- One area of petroleum impact exist in the area of A-6/SB-18 (south end of the project property) – to be removed during construction
- Northern portion of the project has some construction spoils from Cornhill Landing which still requires investigation



River Wall - Condition Assessment

- Performed detailed inspection of the wall both above and below water
- Conducted detailed landside & riverside surveys
- Performed concrete strength testing
- Assessed stability of wall per FEMA and Army Corps of Engineers guidelines

Conclusions:

- Generally in poor condition with significant widespread deterioration
- Stability measures are needed in some locations



River Hydraulics

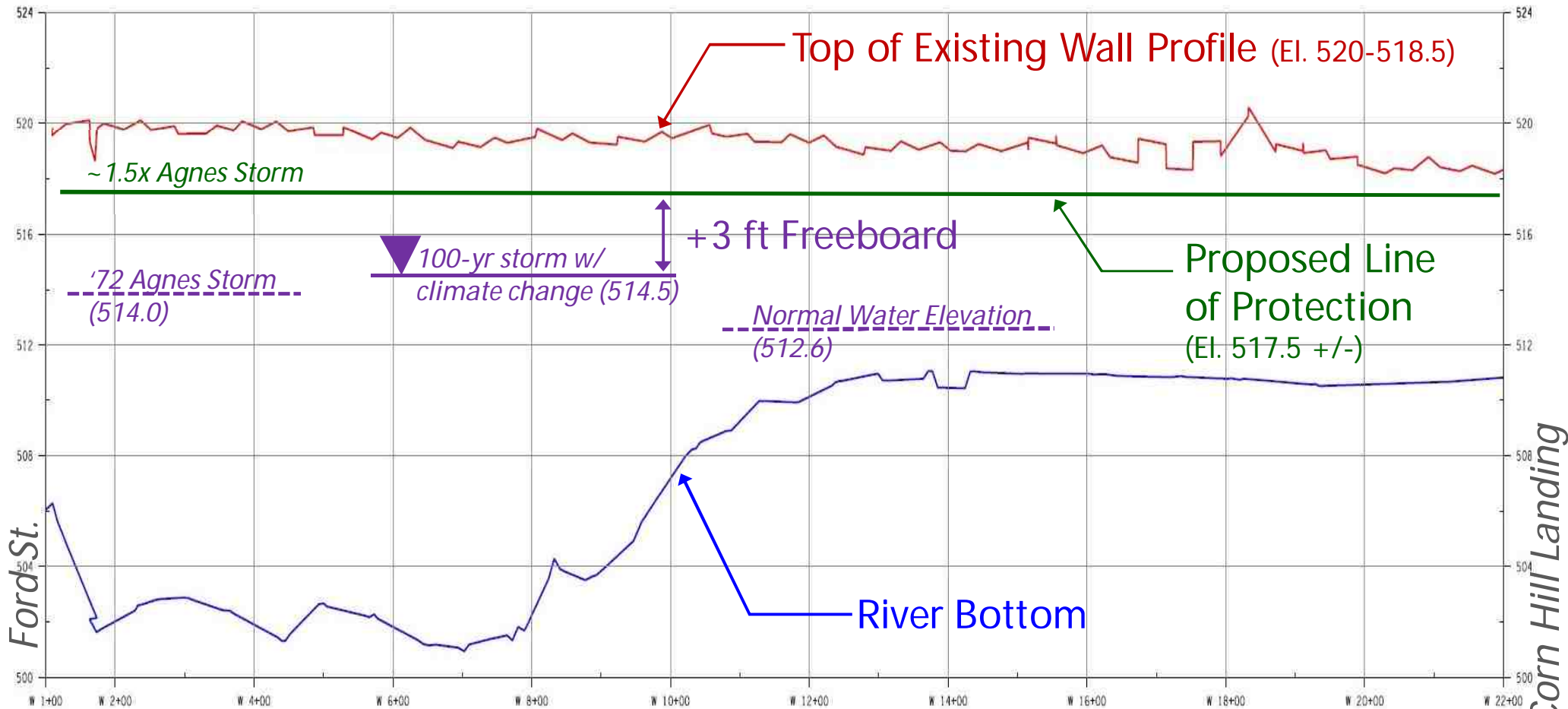
- Flood protection is a major focus of the project while still providing physical and visual access

- Ensuring Accurate River Modeling:

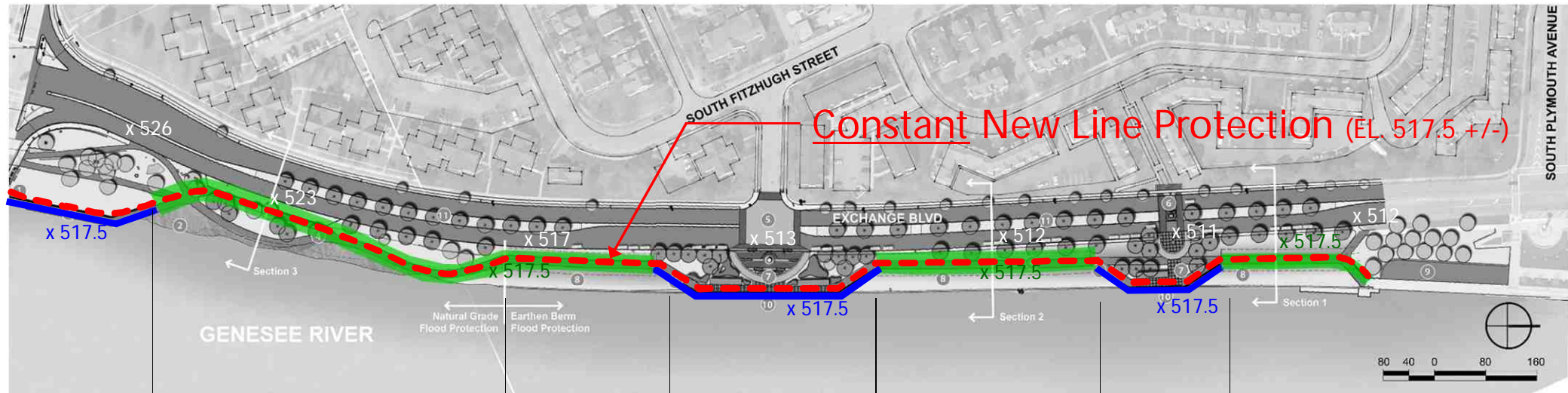
- ✓ Obtained current river bottom survey
- ✓ Examined effects of sedimentation
- ✓ Assessed effects of climate change
- ✓ Assessed coincident storm & ice cover event
- ✓ Calibrated model to recent storm event data from RGE & USGS

- New line of protection will be designed in concert with FEMA standards

Hydraulic Results



Creating the Line of Protection While Opening Up Views/Access



Wall	Berm	Berm	Wall	Berm	Wall	Berm	How the line of Protection will be formed
-2.5 ft	-9.5 ft	-5 ft	-2 ft	-4 ft	-2 ft	-4.5 ft	Approximate lowering of existing wall in each area

Opening Views & Access to the River



EXISTING



PROPOSED

Opening Views & Access to the River



EXISTING



PROPOSED

Opening Views & Access to the River



EXISTING



PROPOSED

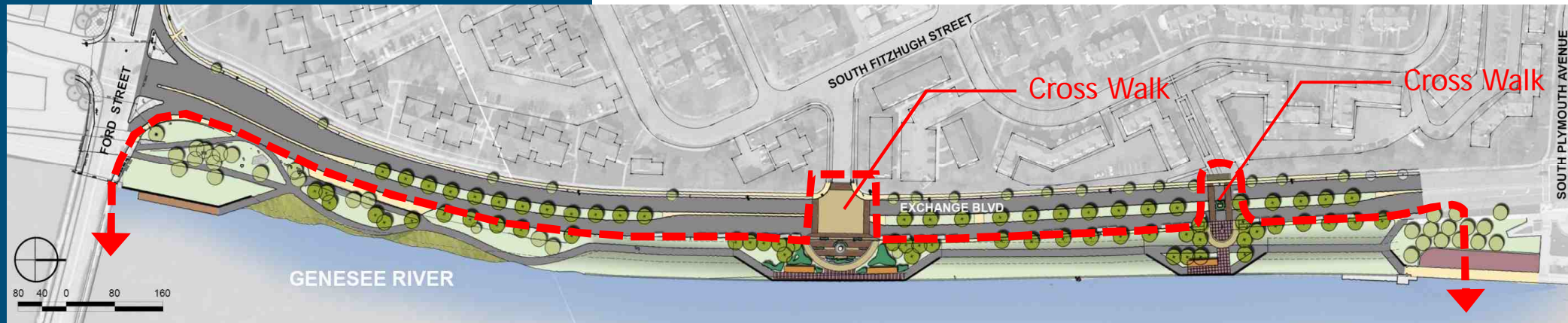
Opening Views & Access to the River



EXISTING



PROPOSED



Exchange Street Improvements

- Project will mainly involve work from from east curbline to the river edge
- A few car-top boat parking spaces
- Enhanced Crosswalks at:
 - South Fitzhugh Place/Exchange Boulevard
 - New mid-block crosswalk at the Pedestrian Mall
- Remainder of Exchange St. improvements will be done under a 2020 Capital Improvement Project

Rectangular Rapid Flashing Beacon (aka RRFB's)



- Pedestrian activated / Immediate response
- “Wig Wag” Flashing Strobe Lights

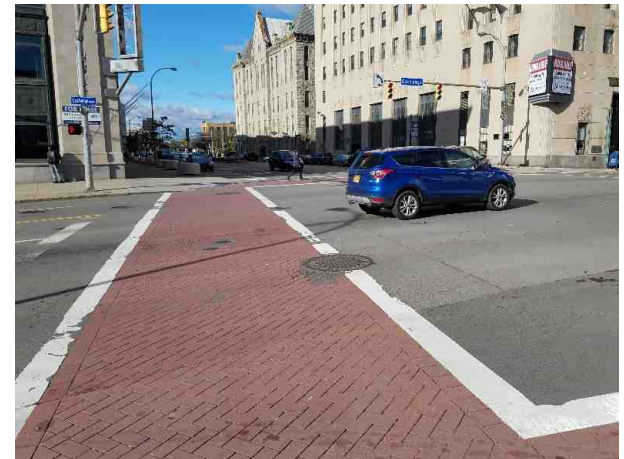
Possible Crosswalk Treatments



Crosswalk Pavement Markings
(Lower cost, maintenance friendly, high visibility)



Decorative Crosswalk Treatments
(Higher cost, high aesthetics, don't age well)



Possible Crosswalk Configurations @ South Fitzhugh Place



- 3 – 12 ft wide delineated crosswalks
- New ADA accessible ramps
- High-Visibility Signage
- Possible “Rectangular Rapid Flashing Beacon” (RRFB) System

Possible Mid-Crosswalk Configurations @ Pedestrian Mall



- 16 ft wide delineated crosswalk
- Median modifications
- New ADA accessible ramps at crosswalk landings
- High-Visibility Crosswalk Signage
- Possible “Rectangular Rapid Flashing Beacon” (RRFB) System

W ARCHITECTURE & LANDSCAPE ARCHITECTURE, LLC

- Urban focus; realigning nature and the city.
- Experience with transforming waterfronts, brownfields, historic neighborhoods and infrastructure projects
- Their role: To provide a fresh, “outside” perspective, assist with the Master Plan review, and enhance the project features

The Edge Park Williamsburg, NY



Troy Riverfront Park Troy, NY



W Architecture Input



- *“Since the site is confined, strive to make the paths and node spaces (green & gathering) more fluid and integrated allowing people to seamlessly bleed from one to the other.”*
- *“Enhance the integration of the urban and natural spaces.”*
- *Play up the interesting geometry that that the site has to offer*
- *“Open up more diverse views to river/downtown.”*
- *“Consider including a grand lawn/entry node area at south end of project”*

Adjacent Initiatives...

Vacuum Oil BOA

2035 VISION PLAN



Vacuum Oil BOA

2035 VISION PLAN



Vacuum Oil BOA CONCEPT ALTERNATIVES



WEST RIVER WALL PRELIMINARY & FINAL DESIGN



- 3 Focus Areas – Downtown, The South River & High Falls
- \$50M state commitment secured in August
- 12 Initial Projects + Management Entity
- Corn Hill Navigation Resources Earmarked



Where We Are Headed...

Work Remaining, Schedule & Budget

Timeline to Construction

- Public Meeting
- Master Plan Review & Update
- Technical Advisory Committee Mtg #2
- Community Advisory Committee Mtg #2
- Preliminary Plans
- Obtain Permits
- Final Plans
- Bidding
- Start Construction
- Complete Construction

Tonight

November 2018

November 2018

December 2018

January 2019

March-June 2019

April 2019

May 2019

Early Summer 2019

Summer 2020

Project Funding

WEST RIVER WALL PROJECT
SEGMENT I - CORN HILL WATERFRONT
SEGMENT II - VACUUM OIL WATERFRONT
FINANCE PLAN
NYSDOS C1000688 / CITY PC 12233
NYSCC
24-Jan-18

TOTAL SHARE BREAKDOWN					
FUND SOURCE	DESIGN		CONSTRUCTION		TOTAL
	Corn Hill Waterfront	Vacuum Oil Waterfront	Corn Hill Waterfront	Vacuum Oil Waterfront	
NYS Department of State	\$ 400,000	\$ 350,000	\$ 0	\$ 0	\$ 750,000
NYS Canal Corporation	\$ 0	\$ 0	\$ 4,200,000	\$ 0	\$ 4,200,000
City Debt (FY17 WRW Debt \$1,850K)	\$ 350,000	\$ 0	\$ 1,500,000	\$ 0	\$ 1,850,000
City Debt Service (FY17 E-6 Vacuum Oil Refinery)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
City Cash Capital (FY15)	\$ 0	\$ 400,000	\$ 0	\$ 0	\$ 400,000
TOTALS:	\$ 750,000	\$ 750,000	\$ 5,700,000	\$ 0	\$ 7,200,000

~\$4.9M "Bricks & Mortar"
 Construction Budget

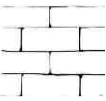
Public Input

Share your thoughts

Opportunities for Community Partnership

- Adopt a brick, chair, piece of the project, etc
- Assistance with maintenance of gardens, planters, section of the path
- Stewardship the property (keep it fresh, maintained, and free of litter)
- Other ideas?

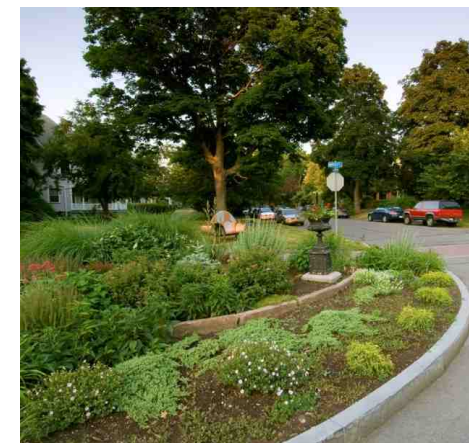
ADOPT



SAVE



MAINTAIN



WEST RIVER WALL PRELIMINARY & FINAL DESIGN

Place Making

NAMING THE PARK

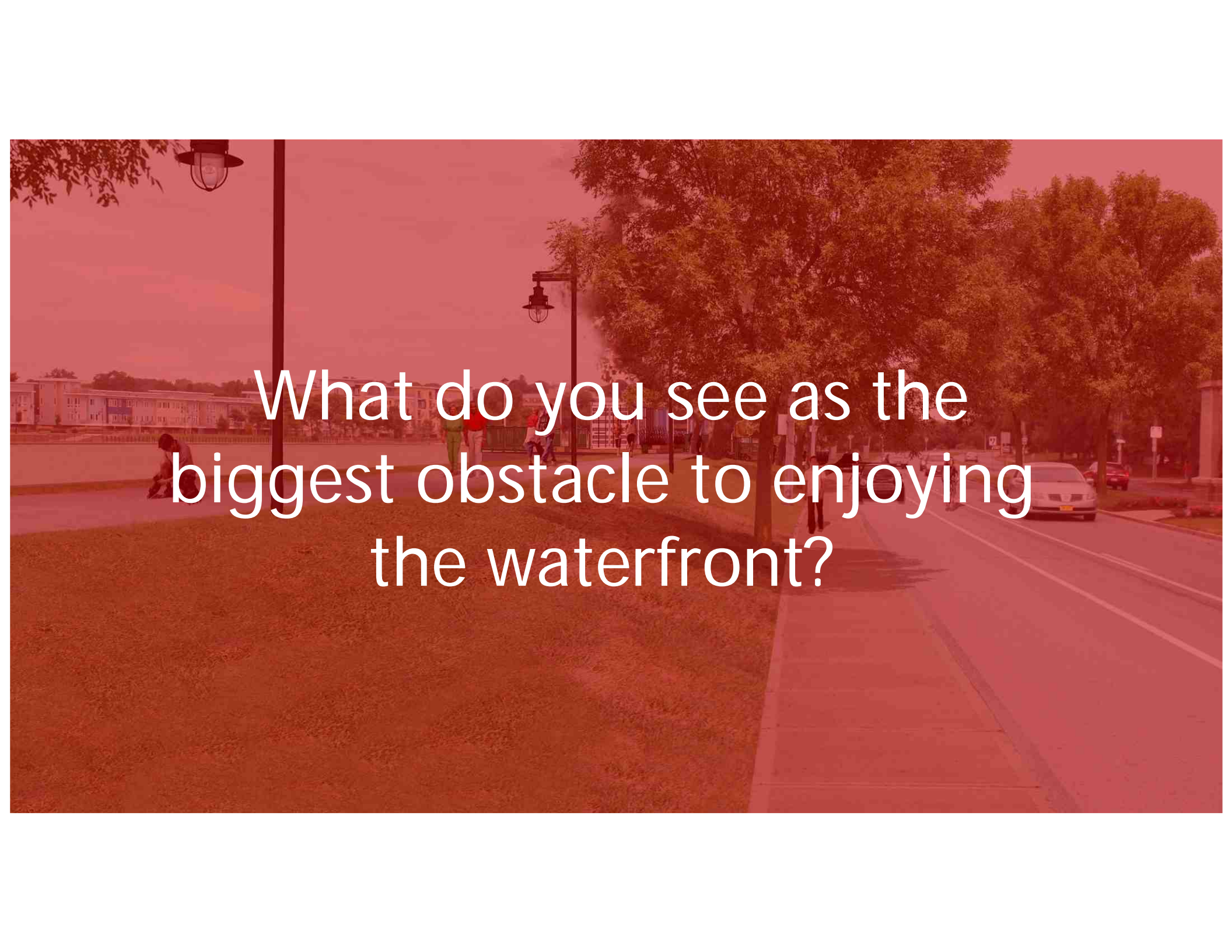
Naming Guidelines:

- ✓ Long Lasting
- ✓ Sustainable
- ✓ Nod to history
- ✓ Appropriate Context





How would you describe the
Corn Hill waterfront today?

A photograph of a waterfront area, likely a park or promenade, with a sidewalk, trees, and a road. The image is overlaid with a red tint. The text "What do you see as the biggest obstacle to enjoying the waterfront?" is centered in white. In the background, there are buildings and a body of water. A person is sitting on the grass in the foreground, and several people are walking on the sidewalk. A car is visible on the road to the right.

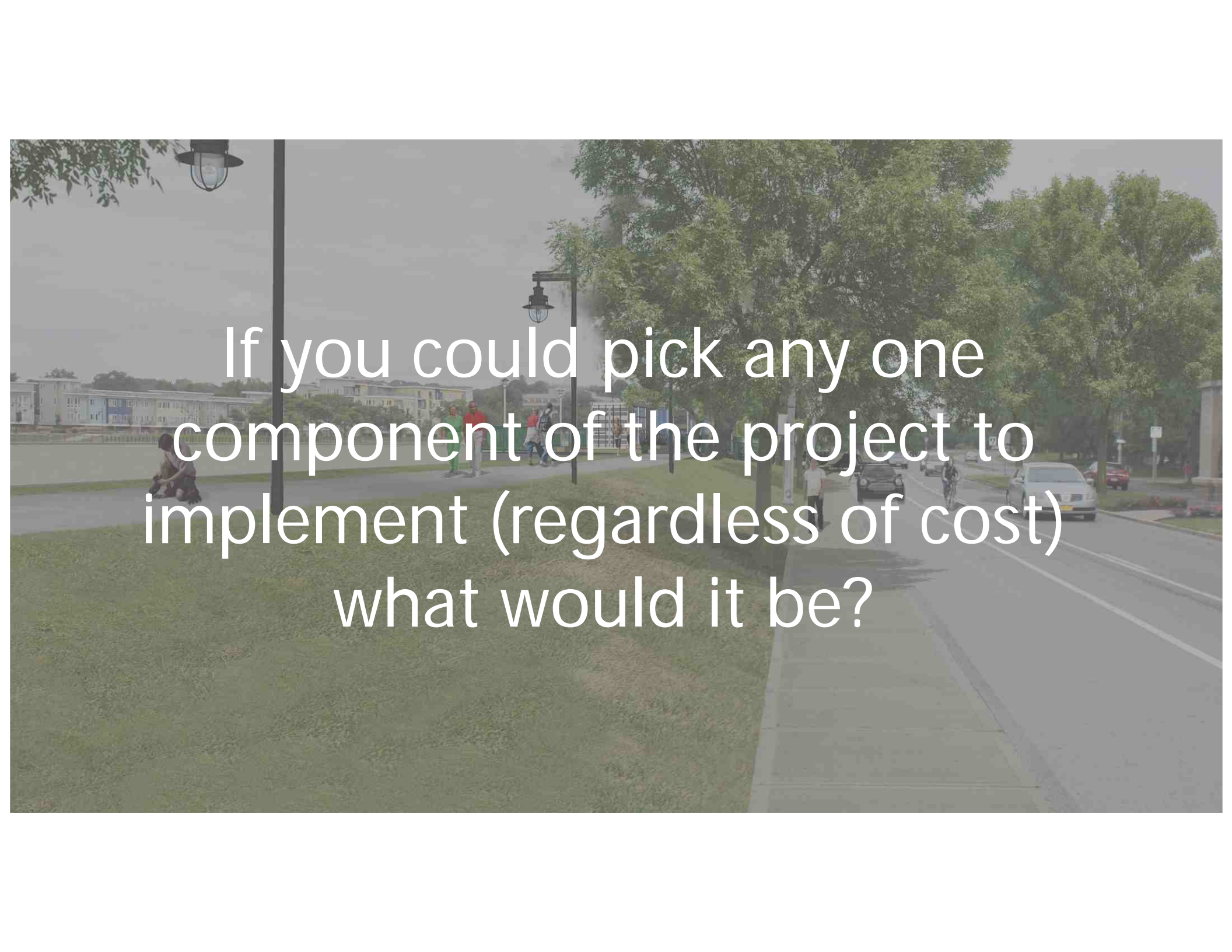
What do you see as the biggest obstacle to enjoying the waterfront?

A photograph of a waterfront park with a grassy area, a paved walkway, and a road with cars and a cyclist. The image has a yellowish tint. Overlaid text asks: "What would you like to do on the waterfront that you can't do today?"

What would you like to do
on the waterfront that you
can't do today?

A green-tinted photograph of a waterfront area. In the foreground, there is a large, well-maintained grassy lawn. To the right, a paved walkway runs parallel to a road. The road has several cars, including a white sedan and a dark car. A person is riding a bicycle on the road. In the background, there are trees and buildings. A body of water is visible on the left side. The overall scene is bright and clear, with a consistent green tint.

What is one thing you would
NOT want to see on the Corn
Hill waterfront?

A street scene with a grassy area, sidewalk, road, and buildings in the background. The scene is overlaid with a semi-transparent grey box containing white text. The text asks for a choice of project components to implement, regardless of cost.

If you could pick any one component of the project to implement (regardless of cost) what would it be?



Questions & Answers

NEXT STEPS



- ① Public Meeting (tonight)
- ② Master Plan Revisions | November
- ③ Community Advisory and Technical Committee Mtgs | December
- ④ Preliminary Plans | Early Winter 2019
- ⑤ Final Construction Documents | Spring 2019
- ⑥ Construction | Summer 2019 - Summer. 2020



Thank you!