CONFLUENCE RIVER PARK Montpelier, Vermont

Conceptual Design & Outreach

Vermont River Conservancy





MILONE & MACBROOM

Presentation to City Council

alles al Di

September 24, 2019



CONFLUENCE RIVER PARK Montpelier, Vermont

CONCEPT DESIGN CONSIDERATIONS:

- ♦ River access
- ♦ Accessibility
- ♦ Recreational opportunities
- ♦ Flood storage & resiliency
- ♦ Context & history
- ♦ Public space
- ♦ Integration of shared-use path





PROJECT SITE

Q

CLE STORES







(MMI, 4/15/2019)



(MMI, 7/5/2019)



Project Process

Considered prior community input

- Refined goals & design program
- Developed concept alternatives
- Outreach & Input

Π

- Refined concept
- Outreach & Input
 - Finalize concept design
- Plan next steps

Project objectives and design have been guided by the community

- Conservation Commission November 8, 2018 and March 14, 2019
- Parks Commission November 13, 2018
- Public Meeting at the Senior Center December 4, 2018
- City Council January 9, 2019
- Montpelier Planning and Zoning February 6, 2019
- Montpelier Parks March 7, 2019
- Montpelier Public Works March 14, 2019 and April 25, 2019
- VTrans Rail March 19, 2019
- Public Canvasing at City Hall May 4, 2019
- Montpelier Police and Fire May 7, 2019
- Vermont DEC Rivers May 8, 2019
- Montpelier City Manager May 22, 2019
- Public Meeting at Senior Center July 22, 2019

Community Outreach

Project Outreach







Conceptual Design Alternatives



CONCEPT D DESCRIPTION:

- Open space with seating at top
- Overlooks & niche spaces
- Accessible access to river
- Kayak launch area with off loading area
- Larger spaces at river's edge

CONFLUENCE RIVER PARK



Concept D

PLAN YOUR PARK CONFLUENCE RIVER PARK WEST



CONCEPT A- Performance Park

CONCEPT B- Heritage Park



CONCEPT C- Riverine Pockets Park



CONCEPT D- Riverine Overlooks Park

WANT TO LEARN MORE? Visit: www.vermontriverconservancy.org/ confluence-park

WANT TO GIVE YOUR INPUT? Take the survey at: www.surveymonkey.com/r/3K3HK3G







Community Outreach

Project Outreach

What are the top activities you are most likely to do at the park?



water Socialize Eat kayak eat lunch hang Biking view Picnic enjoy Sit lunch Walk Access river river read Relax enjoy river



Community Survey

Will you recreate (swim, kayak, etc.) in the Rivers once the park is complete?



Community Survey

Most Important Use of Park Space?



Small nooks at multiple levels with different river views

Community Survey

Q3 What elements of the concepts are most important to you and why?

beautiful greenery different less ADA accessibility idea much walk concert bigger way seating areas open concept ADA gathering area path riverfront Water plaza bike path ADA ramp Seating ADA access water fishing places sit USE ADA access also etc lot steps good viewing area areas D park going Space looking river concert pavillion design grass access river path bike sitting performances Access easy access view side will think river access access water boats activities accessible place one love performance space safety open space possible ramp sense boat access need green small Easy bike many seems

Community Survey

Which design concept do you like the best?



Community Survey

REFINED DESIGN PROGRAM

General Size/Space

- Space closer to river
- Nooks throughout

Access

- River access, but balanced with other uses
- Shared use path integration
- Boat launch area
- Accessible for a variety of abilities

Recreation

- In-river recreation: kayaking, fishing, swimming, whitewater
- Active recreation: walking, biking, playing
- Passive recreation: sitting, picnicking, eating, reading, relaxing, watching

Environment

- Vegetation
- Water quality
- Flood resilience

Community Input

Outreach results





FINAL CONCEPT DESCRIPTION:

- Open greenspace with seating, performance space, oriented for maximum views
- Overlooks & niche spaces
- Accessible path to river
- ♦ Kayak launch area with off loading area
- ♦ Larger spaces at river's edge
- ♦ Native plantings



Final Concept



Cross Section A CONCEPT E





Cross Section B CONCEPT E



Cost Breakdown Montpelier Confluence River Park *Opinion of Cost Based on Conceptual Design* \$650,000 to \$1,000,000



Construction







Truckee River Park Reno, NV Sec. 16.

Brooklyn Bridge Park, New York





Opportunity & Vision

Capitalize on the full potential to "Face the River" by improving river health and creating connected and unified public spaces and access points

DOWNTOWN PUBLIC OPEN SPACE & RECREATION NETWORK



RIVER RESTORATION STRATEGY



PLAN ACTIONS:

A RIVERBANK

- Clean & revegetate
- Joint plantings (Shaw's & new bridge abutments)

B RIVER CHANNEL CLEAN UP

- Remove trash
- C RIVER CHANNEL RESTORATION (North Branch)
 - Remove Rat Dam
- D RIVER CHANNEL RESTORATION (Winooski River)
 - Remove Bailey Dam

E RIVER CHANNEL WATER QUALITY

 Remove Combined Sewer Overflow (CSO)





THANKYOU

Gage Readings	ID	Date	Time	Sampler	Gage1 Height (feet)	Gage2 Height (feet)	EL (ft NAVD88)
	1	4/15/2019	4:00 PM	Roy	N/A	N/A	513
	2	5/20/2019	11:14 AM	Richarda	N/A	N/A	511
	3	6/19/2019	5:22 PM	Roy	0.70	N/A	506.37
	4	6/19/2019	5:32 PM	Roy	0.75	N/A	506.42
	5	6/20/2019	4:08 PM	Roy	Submerged	N/A	512
	6	6/25/2019	8:28 AM	Roy	1.15	N/A	506.82
	7	6/26/2019	8:22 AM	Roy	2.79	N/A	508.46
	8	6/27/2019	8:30 AM	Roy	2.00	N/A	507.67
	9	7/5/2019	4:15 PM	Roy	0.50	N/A	506.17

Water Levels

Preliminary Data Collection