

Sonja Birr

From: Curtis Hall
Sent: Thursday, January 21, 2021 12:39 PM
To: 'Jim Kettler'
Cc: Dan Koski; Sonja Birr; Jeremiah Novak
Subject: RE: External: Signage

Hi Jim,

We should probably run this through Public Infrastructure Committee as a formality. I think you can start fabrication, it shouldn't be a problem, I will add it to the Feb. 3rd agenda as an FYI.

I think we should have some additional signage throughout the Little Manitowoc watershed area. How many additional locations were you thinking? I think we could put two more locations in, one by the zoo lot and another in the wetland area along the future Bayshore trail. I can send a visual if needed.

Perhaps we can make the signs double sided or mount one on each side of the posts so that we can position them in a location that can be seen/read from the path and water. From my perspective one of the main reasons we included the Little Manitowoc Watershed in the Water Trail scope of work was to highlight all of these improvements, so yes, we should include this in the water trail plan.

We can install the signs as long as they are a simple post hole/4x4 design. What were you thinking of mounting them on? We will be doing a lot of other sign updates in spring.

Thanks,



Curtis Hall | City of Manitowoc
Parks and Recreation Division Manager
3330 Custer Street
Manitowoc, WI 54220
Phone: (920) 686-3061

Our Mission: The Manitowoc Parks and Recreation Divisions are committed to improving the quality of life for all Manitowoc's residents and visitors. This is accomplished by providing and promoting well maintained parks, facilities, and public open spaces as well as offering a variety of lifelong recreational opportunities and special events for people of all ages.

From: Jim Kettler [<mailto:jim@lnrp.org>]
Sent: Thursday, January 21, 2021 7:24 AM
To: Curtis Hall
Subject: External: Signage

Hi Curtis...

Looking forward to the meeting today at 5:00 pm.

I wanted to check in on the Little Manitowoc signage and whether we need formal approval prior to fabrication?

And if so, wondering whether we should consider additional signage using the same themes throughout the Little Manitowoc watershed?

And finally, whether we would want to integrate any elements of the signage for the Water Trail Map?

Look forward to hearing from you.

p.s. Can we rely on City staff for the installation?

--

James Kettler
Director of Projects
Lakeshore Natural Resource Partnership
www.lnrp.org
www.facebook.com/4lnrp/
920-304-1919



Be Alert !

This is External or System generated Email. Please verify before opening any links or attachments.

Sonja Birr

From: Jim Kettler <jim@Inrp.org>
Sent: Thursday, January 21, 2021 2:20 PM
To: Curtis Hall
Cc: Sonja Birr; Dan Koski; Jeremiah Novak
Subject: External: Re: FW: Little Manitowoc video
Attachments: Little Manitowoc Restoration Project Interpretive Sign Schematic.pdf; Little Manitowoc Partner Banner 4x23 Final.pdf; Final Little Manitowoc 40x20.pdf; Final Little Manitowoc 36x48 QR placeholder.pdf

Attached are the drafts.

On Thu, Jan 21, 2021 at 12:42 PM Curtis Hall <chall@manitowoc.org> wrote:

Sonja, Can you please add a "request for approval of the sign proofs" on the link below to the Feb. PI Agenda?

Thanks,



Curtis Hall | City of Manitowoc

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From: Jim Kettler [mailto:jim@lnrp.org]
Sent: Friday, December 18, 2020 6:52 AM
To: Curtis Hall; Dan Koski
Subject: Little Manitowoc video

Hey guys...

We found a typo in the Little Manitowoc video so I've uploaded a revised version in the Google drive.

Here is the link:

<https://drive.google.com/drive/folders/1FQJx8iWy9Mb05EwzQjgkBg-A84P60QLM>

Please use this version for viewing and delete the older version.

Dan... Mentioned to Curt that we'll be reaching out in the new year with our Coastal Resiliency Project. Hoping we can set up a meeting in early January.

More soon!

--

James Kettler

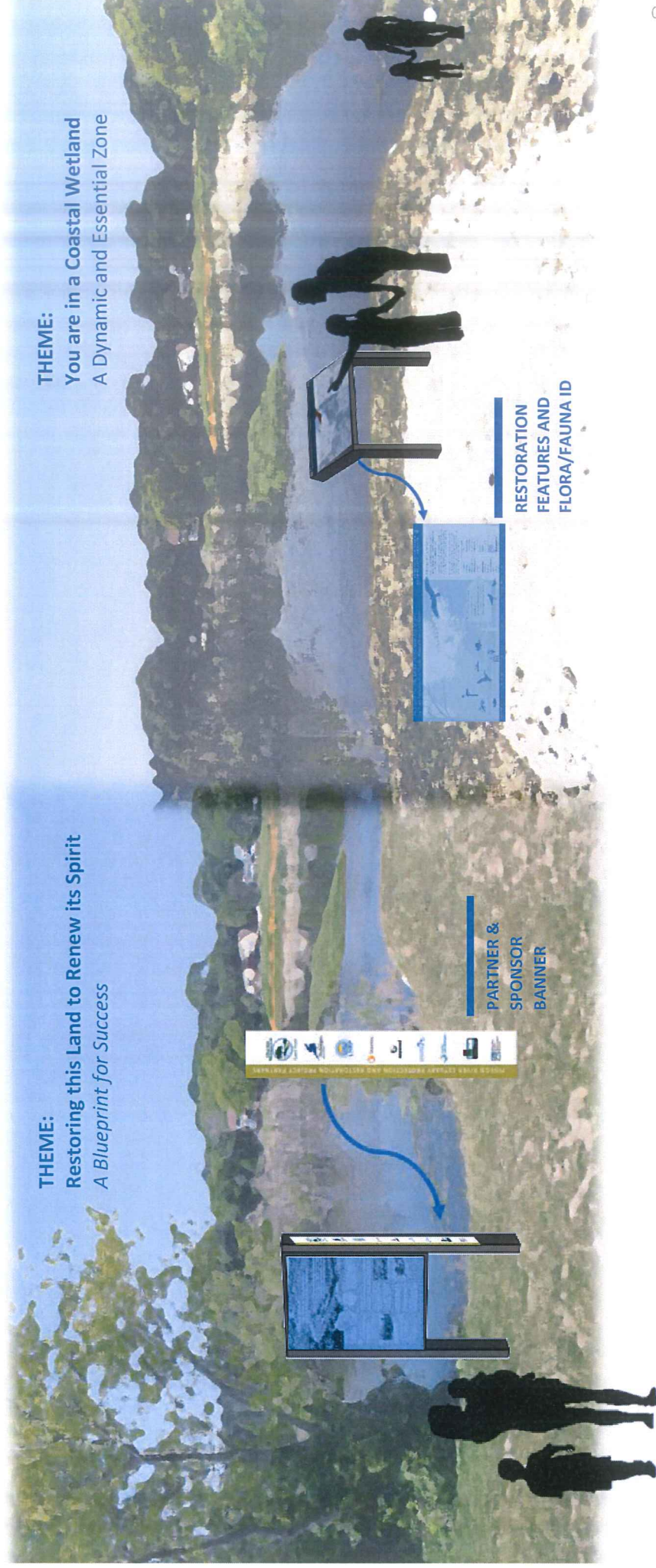
Director of Projects

Lakeshore Natural Resource Partnership

www.lnrp.org

THE LITTLE MANITOWOC RIVER

Estuary Restoration Project | Interpretive Panel Schematic



TRAILSIDE ORIENTATION PANEL

36x48

CONTENT SUMMARY

Panel Objective: to highlight the broader conceptual framework of the restoration project by taking visitors through a historical timeline of the land, pre-settlement to the process of restoring the stream bed and wetlands, returning the land to a naturally functioning and diverse system.

OVERLOOK LOW PROFILE PANEL

40x24

CONTENT SUMMARY

Panel Objectives: to connect visitors to *this* landscape and the broader concept of the Lake Michigan Flyway and to highlight specific aspects of the restoration process that include native plantings, osprey platforms, riffle structures, plant and animal identification and recreational stewardship opportunities.

RESTORING THIS COASTAL WETLAND

Dynamic and Essential Migratory Corridor

Plants native to Wisconsin coastal wetlands were selected for restoration efforts along this critical migratory corridor



Discover the Magic of Coastal Wetlands

Our Great Lakes Coastal wetlands provide critical, ever-changing habitat for a diversity of plants and animals. Habitat loss is a pressing concern.

This wetland is an important: water purifier; feeding, resting and nesting site; fish spawning grounds; and wildlife habitat.

Many animals are "wetland dependent" needing access to this ecosystem for survival during seasonal cycles and migrations.

Gaze Out Across the Landscape

This 38 acre coastal wetland was once a stagnant, overgrown mudflat filled with invasive grasses.

Search for these Wetland Restoration Clues

- | | |
|--------------------------|------------------------|
| 1. Fish Jumping | 7. Shorebirds |
| 2. Deep Pools | 8. Wildlife Watchers |
| 3. Log and Stump Habitat | 9. Migrating Birds |
| 4. Osprey Platform | 10. Dragonflies |
| 5. Waterfowl | 11. Beaver and Muskrat |
| 6. Nests | 12. Native Grasses |

A Blueprint for Success

Explore the River Corridor Restoration Project

The natural character and function of this river and wetlands were altered for nearly a century

Watch As Nature Reclaims This Area

TODAY AND TOMORROW

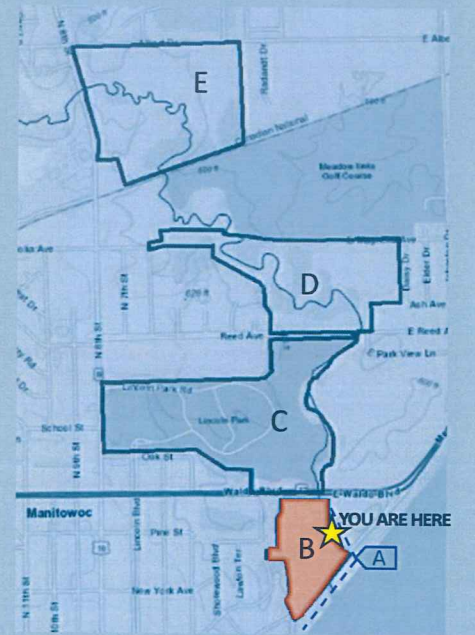
- The historic meander of the riverbed has been re-established
- Native plantings replace invasive species
- Mud and silt dredged to expose the buried, natural wetland soils
- Riffles, deep pools and sedge meadow created for fish and wildlife
- Continue to restore, maintain and then monitor this coastal system, to ensure that native plants and wildlife habitats thrive.

THE VISION

Develop a comprehensive watershed restoration plan along 2.5 miles of the Little Manitowoc River, from Indian Creek Park to the Lake Michigan shore.

Goals Include:

- Create an unfragmented habitat corridor
- Expand recreational opportunities
- Protect and improve shorebird habitat



Project Restoration Area and Map of Greater Conservation Vision

- A. Little Manitowoc River Walkway
- B. Coastal Wetland Restoration
- C. Lincoln Park Zoo
- D. Lincoln Park Conservancy
- E. Indian Creek Park

This River and Coastal Wetland are in Restoration to conserve and ensure a naturally functioning and diverse system for fish, for wildlife and for people.

THE LITTLE MANITOWOC RIVER

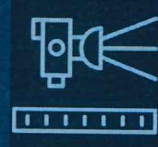
Timeline Of This Landscape

The waters of the Little Manitowoc once created a rare coastal estuary that balanced where the land meets the lake...

THIS IS AN ECOSYSTEM IN RESTORATION

This landscape will once again: support critical habitat for wildlife, re-establish fish access, and restore natural floodplain storage and function.

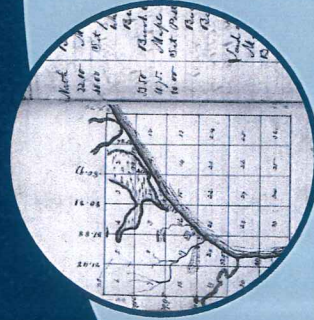
Over time, human impacts have changed the natural form and function of this river and coastal wetlands habitat.



1835

Land Survey

Field notes and maps drawn prior to European settlement illustrate the stream meandering through sedge meadow and wetland.



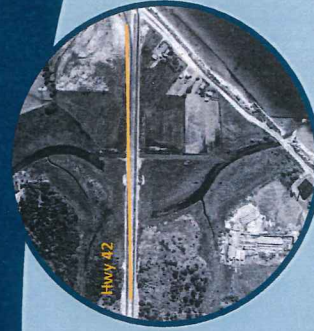
1835 Original Land Survey Notebook Sketch of the Coastal Wetland Complex



1938

Forward Progress

The natural meander of the river is removed when a channel is dug to accommodate the installation of a road that is now highway 42. This structural change alters the natural system.



1938 Aerial of New Road Bisecting the River



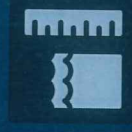
1970's

Cattail Takeover

Over time, the waterway is only inches deep, and begins to pond due to the alteration of its natural flow and function. Invasive cattails and reed canary grass move in to dominate the once native wetland and meadow.



1975 First Aerial Photo of the Beginnings of 'Ponded' Water



2008

Then the Flood

On June 12th an extreme storm event caused the river to rise 4.5 feet in less than 24 hours. The wetland area before you was washed out and turned in to an exposed mud flat. This barren landscape was an invitation for invasive plants once again.



2008 Aerial Photo Shows that Flood Leaves Behind Mudflats Invaded by Cattails, Knotweed and Phragmites



Today

Taking Action

The Little Manitowoc Coastal Restoration Project began in 2012 bringing people together to re-protect this unique ecosystem. Through the restoration process the stream has returned to its meander, 38 acres of coastal wetland will once again provide critical habitat for migratory birds, spawning fish and a healthy diversity of plants.



STEWARDSHIP TODAY, FOR THE FUTURE
Partners will continue to restore and monitor this coastal system, ensuring that native plants and wildlife habitats thrive for today and future generations.



Learn More!



Want a Bird's-Eye View?

Take a look at the river from an Osprey's perspective in this amazing drone video



Join Us

The Friends of the Manitowoc River Have Adopted The Little Manitowoc River Conservancy Project
We welcome you to share your voice, time and talents.
Help increase awareness and conservation of this special place.

LITTLE MANITOWOC RIVER COASTAL WETLAND RESTORATION PROJECT PARTNERS

