

PROJECT ID # 1

**THREE-YEAR HARBOR DEVELOPMENT
STATEMENT OF INTENTIONS**

MANITOWOC

Harbor Name

CITY OF MANITOWOC

Responsible Local Unit of Government
(County, City, Village or Town)

Due: April 1

Send to: WisDOT

Bureau of Railroads & Harbors

P. O. Box 7914

Madison, Wisconsin 53707-7914

Improvements Proposed in Calendar Year 2023

Instructions: Complete one of these sheets for each project contemplated in each of the next three years. Include only those projects that benefit COMMERCIAL TRANSPORTATION. Examples include dredging, dredge disposal and dock wall construction.

PART I Project Description and Objective(s)

- A. A concrete assembly platform including an additional load-out ramp, to perform load-outs of large material requiring water transport. This additional platform will allow for multiple cranes and multiple crane configurations to be assembled and tested in parallel.

PART II Project Resources

PART III Rank & Probability

<u>Expected Funding Sources</u> (All types)	<u>Amount</u>
(b) PRIVATE	\$ 800,000
(c) Wis DOT	\$ 3,200,000
(d)	
	Total
	\$4,000,000

- (a) Of the projects listed for the year noted above, this project (a) is of 1 priority to the applicant.
- (b) The estimated probability of this project being started in year noted above is:
(Circle One) High
Medium
Low

Prepared By: PAUL BRAUN

Date: March 1, 2023

PROJECT ID #2

**THREE-YEAR HARBOR DEVELOPMENT
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PART I Project Description and Objective(s)

A – Dredge river at seawall adjacent to Travelift well, inside of Travelift well and downstream of Travelift well to allow Burger to accommodate vessels with deeper draft for service work, as well as, to allow for the Burger to accommodate the launching and mooring of larger vessels constructed at our shipyard.

PART II Project Resources

PART III Rank & Probability

Expected Funding Sources (All types) Amount

(b) PRIVATE \$ 140,000

(c) Wis DOT \$ 560,000

(d) Other

Total

\$ 700,000

(a) Of the projects listed for the year noted above, this project (a) is of 2 priority to the applicant.

(b) The estimated probability of this project being started in year noted above is:

(Circle One) High
 Medium
 Low

Prepared By: PAUL BRAUN

March 1, 2023

Date: _____

PROJECT ID #3

**THREE-YEAR HARBOR DEVELOPMENT
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MANITOWOC
Harbor Name

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Improvements Proposed in Calendar Year 2024

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PART I Project Description and Objective(s)

A – Throughout the Manitowoc River, Inner Harbor and Outer Harbor there are locations where general maintenance is needed to preserve the existing infrastructure. Sheet wall caps, sheet wall systems, escape ladders and other infrastructure are in need of maintenance. In addition, there are areas of erosion occurring behind the sheet wall system which is weakening the structural integrity of the sheet wall.

B – The City of Manitowoc and Harbor Commission are interested in the development of a Harbor Master Plan to guide future infrastructure investments and developments.

PART II Project Resources

PART III Rank & Probability

<u>Expected Funding Sources</u> (All types)	<u>Amount</u>
(b) PRIVATE	\$75,000
(c) WIS DOT	\$250,000
(d)	
	<u>Total</u>
	\$325,000

(a) Of the projects listed for the year noted above, this project (a) is of 1 priority to the applicant.

(b) The estimated probability of this project being started in year noted above is:

(Circle One) High
Medium
Low

Prepared By: PAUL BRAUN

Date: March 1, 2022

PROJECT ID #4

**THREE-YEAR HARBOR DEVELOPMENT
STATEMENT OF INTENTIONS**

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MANITOWOC
Harbor Name

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PART I Project Description and Objective(s)

- A – The short timber wall on the starboard side of the Badger carferry is used for alignment in adverse weather conditions. The current wall moves significantly, which is an indication of broken vertical poles below the water line.
- B – When water levels are extremely low or high the vehicular loading ramp is too steep and there is difficulty moving vehicles onto and off of the car ferry. The loading ramp may need to be redesigned to address the problem. In addition the loading ramp counter weight system is in need of replacement, the counter weights are original.
- C – ADA accessibility onto the car ferry is limited, there are plans to construct an ADA lift to provide better accessibility on to and off of the car ferry. Improve public amenities and access to Lakefront in addition to stabilizing the shoreline to prevent erosion.
- D – The City and S.S. Badger are in the process of having a full structural inspection performed on the dock apron, based on that report structural elements may need to be fixed.

PART II Project Resources

PART III Rank & Probability

<u>Expected Funding Sources (All types)</u>	<u>Amount</u>
(b) Private	\$ 400,000
(c) Wis DOT	\$ 2,000,000
(d)	
	<u>Total</u>
	\$ 2,400,000

(a) Of the projects listed for the year noted above, this project (a) is of 2 priority to the applicant.

(b) The estimated probability of this project being started in year noted above is:

(Circle One) High
Medium
Low

Prepared By: PAUL BRAUN

Date: March 1, 2023

PROJECT ID #5

**THREE-YEAR HARBOR DEVELOPMENT
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Harbor Name

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Improvements Proposed in Calendar Year 2024

Instructions: Complete one of these sheets for each project contemplated in each of the next three years. Include only those projects that benefit COMMERCIAL TRANSPORTATION. Examples include dredging, dredge disposal and dock wall construction.

PART I Project Description and Objective(s)

A – Dredging to allow for sailboats and other vessels to navigate in the marina area and the outer harbor. When Lake Michigan water levels are low vessels are close to not having enough draft to safely use the marina facility. Larger boats would be unable to access the marina area and cannot be “wintered” in the existing boat storage building.

B – The project would protect the private and public infrastructure enabling the continued use of the existing facilities. Modifications to the existing pier structures and other infrastructure will also be required due to cyclical water levels and aging infrastructure.

C – Phased replacement and/or repair of deteriorated pier structures to provide better ADA accessibility and ability to moor and service larger transient boats.

PART II Project Resources

PART III Rank & Probability

<u>Expected Funding Sources</u> (All types)	<u>Amount</u>
(b) Private	\$ 500,000
(c) Wis DOT	\$ 1,000,000
(d) Other	\$ 500,000
	Total
	\$ 2,000,000

(a) Of the projects listed for the year noted above, this project (a) is of 3 priority to the applicant.

(b) The estimated probability of this project being started in year noted above is:

(Circle One) High
Medium
Low

Prepared By: PAUL BRAUN

Date: March 1, 2023

PROJECT ID #6

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Harbor Name

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(County, City, Village or Town)

Improvements Proposed in Calendar Year 2025

Instructions: Complete one of these sheets for each project contemplated in each of the next three years. Include only those projects that benefit COMMERCIAL TRANSPORTATION. Examples include dredging, dredge disposal and dock wall construction.

PART I Project Description and Objective(s)

A – Dredging of the Manitowoc River to allow for safe access of larger marine vessels. Update and repair approximately 900 lineal feet of dock/sheet wall along the east bank of the Manitowoc River between the existing railroad bridge and a recently removed railroad bridge. The increased river depth from the dredging would require the existing sheet wall to be increased in depth to prevent undermining. Increased river depths would allow greater access to the river for larger vessels and yachts.

B – In addition to the dredging and sheet wall improvements other landward infrastructure is planned. These improvements would enable an existing company the ability to construct larger vessels. These potential improvements would include boat lift equipment, crane pads and dry dock facilities.

PART II Project Resources

PART III Rank & Probability

Expected Funding Sources (All types) Amount

(b) Private \$ 500,000

(c) Wis DOT \$ 2,250,000

(d) Other \$ 100,000

Total
\$2,850,000

(a) Of the projects listed for the year noted above, this project (a) is of 1 priority to the applicant.

(b) The estimated probability of this project being started in year noted above is:

(Circle One) High
 Medium
 Low

Prepared By: PAUL BRAUN

Date: March 1, 2023

PROJECT ID # 7

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PART I Project Description and Objective(s)

A – McMullen & Pitz – Construct 1,000 feet of dockwall to be able to use the site as a transload facility.

PART II Project Resources

PART III Rank & Probability

<u>Expected Funding Sources</u> (All types)	<u>Amount</u>
(b) Private	\$ 300,000
(c) Wis DOT	\$ 1,500,000
(d)	

	Total
	\$1,800,000

(a) Of the projects listed for the year noted above, this project (a) is of 2 priority to the applicant.

(b) The estimated probability of this project being started in year noted above is:

(Circle One) High
Medium
Low

Prepared By: PAUL BRAUN

Date: March 1, 2023

PROJECT ID 8

**THREE-YEAR HARBOR DEVELOPMENT
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Instructions: Complete one of these sheets for each project contemplated in each of the next three years. Include only those projects that benefit COMMERCIAL TRANSPORTATION. Examples include dredging, dredge disposal and dock wall construction.

PART I Project Description and Objective(s)

A – City of Manitowoc’s proposed dock wall improvements along an 1,800 foot length of bulkhead abutting the Manitowoc River. The City purchased the blighted property from the Canadian National Railroad in 2019. The project would accommodate the needs of a water-orientated mixed-used development. The project would also provide additional public access to the river.

B - Harbor improvements would be an integral piece in redeveloping a very under-utilized parcel in the downtown area. The mixed-use development would increase the tax base, create jobs, provide downtown living options and redevelop a blighted downtown site. The project would address a “key redevelopment/catalytic” site as stated in the City’s Comprehensive Plan.

PART II Project Resources

PART III Rank & Probability

Expected Funding Sources (All types) Amount

(b) PRIVATE \$ 400,000

(c) Wis DOT \$ 2,000,000

(d) Other

Total
\$2,400,000

(a) Of the projects listed for the year noted above, this project (a) is of 3 priority to the applicant.

(b) The estimated probability of this project being started in year noted above is:

(Circle One) High
 Medium
 Low

Prepared By: PAUL BRAUN

Date: March 1, 2023

PROJECT ID #9

**THREE-YEAR HARBOR DEVELOPMENT
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PART I Project Description and Objective(s)

A – This project entails the construction of a sheet wall system with the development of an adjacent river walk adding public access to the river. Project length is roughly 2,200 lineal feet, 600 l.f. is currently sheet wall with the remaining 1,600 l.f. having no sheet wall leaving the shoreline unprotected. Prop wash from small and large vessels, some which are over 500 feet in length, are continually eroding the shoreline causing sedimentation on the river's bottom and increasing the chances of failure of the adjacent steep slopes.

B – The objective of the project is to: increase the berthing locations along the inner harbor, protect the shoreline and erosion hazard area along the river's edge, protect the existing infrastructure in the area, improve water quality by reducing erosion, and increase public access to fisherman, pedestrians and bikers by opening an underutilized corridor along the Manitowoc River. By eliminating shoreline erosion in the area the need to dredge the adjacent river should be reduced, saving costs by reducing the frequency of dredging.

PART II Project Resources

PART III Rank & Probability

<u>Expected Funding Sources</u> (All types)	<u>Amount</u>
(b) PRIVATE	\$ 400,000
(c) Wis DOT	\$ 3,600,000
(d) Other	\$ <u>600,000</u>
	Total
	\$4,600,000

(a) Of the projects listed for the year noted above, this project (a) is of 4 priority to the applicant.

(b) The estimated probability of this project being started in year noted above is:

(Circle One) High
Medium
Low

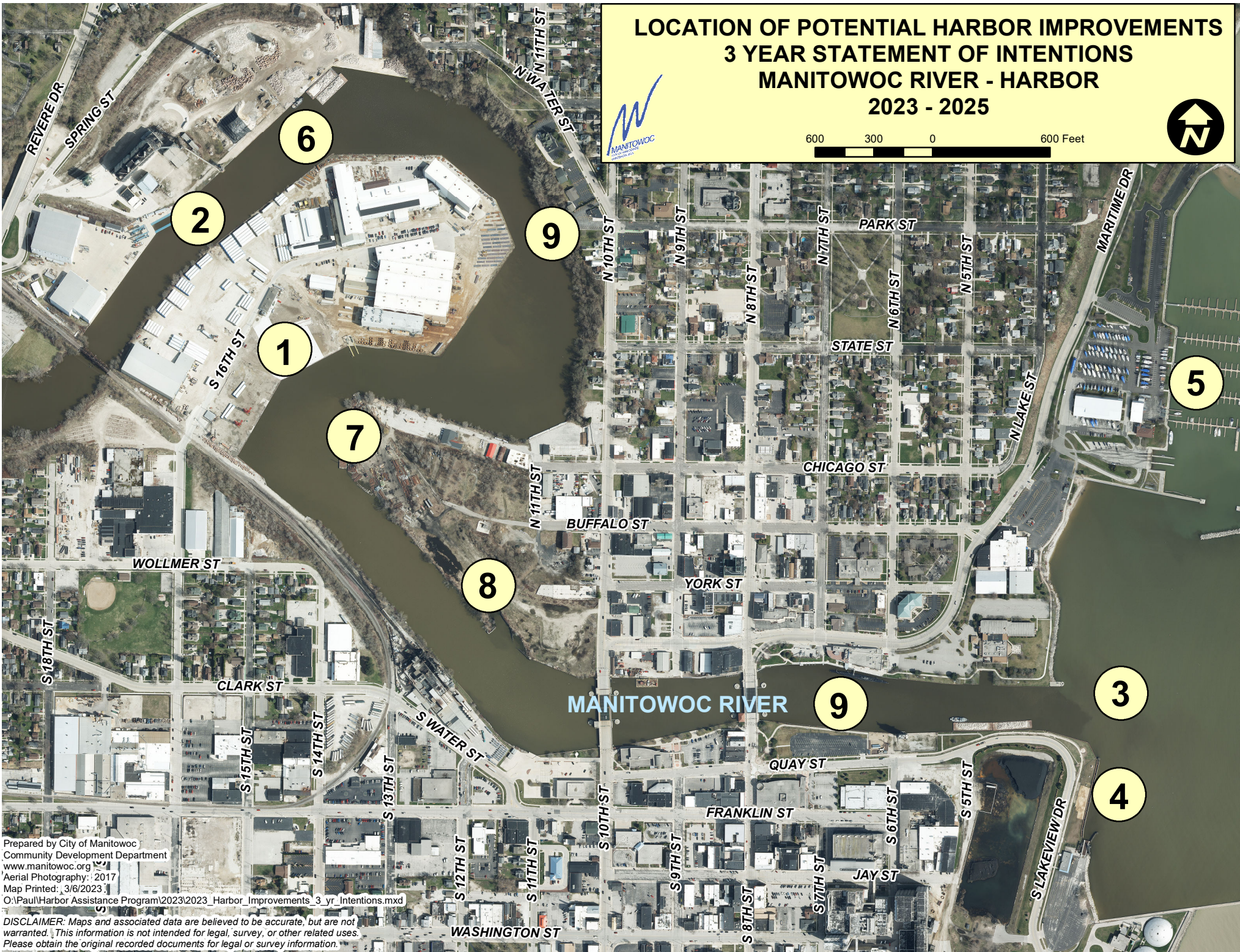
Prepared By: PAUL BRAUN

Date: March 1, 2023

LOCATION OF POTENTIAL HARBOR IMPROVEMENTS 3 YEAR STATEMENT OF INTENTIONS MANITOWOC RIVER - HARBOR 2023 - 2025



600 300 0 600 Feet



Prepared by City of Manitowoc
Community Development Department
www.manitowoc.org
Aerial Photography: 2017
Map Printed: 3/6/2023
O:\Paul\Harbor Assistance Program\2023\2023_Harbor_Improvements_3_yr_Intentions.mxd

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