

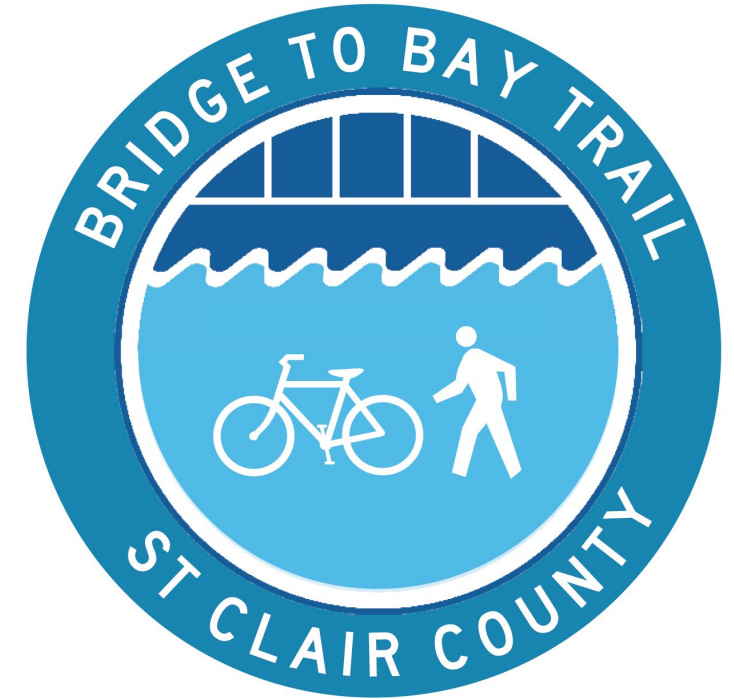
# Bridge to Bay Trail Sign Kick-off Meeting

Monday, October 17, 2022

10am to 11:30am

## Agenda:

- Introductions
- Overview
- Kiosk Orders
- Sign Orders
- Timeline and Next Steps



The **Greenway**  
Collaborative, Inc.





# Overview

- Signage and Wayfinding Guide completed in 2020-2021
- Six Kiosks installed in 2022
  - St Clair, East China, Marysville
- Volunteer Installed Stencils in 2022
- Grant from Community Foundation of Southeast Michigan to purchase additional kiosks, signs, confidence markers, and stencils in 2022-2023
- Website and draft brochure



**General Materials Preliminary Cost Estimate for Budgeting**  
February 15, 2023

ITEM	ALGOMA		BURTONVILLE		CHINA TWP	
	MATERIALS	# COST	# COST	# COST	# COST	# COST
PRINCIPAL KIOSK & GRAPHICS	\$ 7,500	2	\$ 15,000	1	\$ 7,500	\$ -
SECONDARY KIOSK & GRAPHICS	\$ 3,000	1	\$ 3,000	1	\$ 3,000	\$ 3,000
DIRECTIONAL SIGN, POST, & BASE	\$ 250	1	\$ 250	\$ -	\$ -	\$ -
TRAIL MARKING SIGN, POST, & BASE	\$ 125	2	\$ 250	\$ -	\$ -	\$ -
SERVICE SIGN, POST, & BASE	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -
ROUTE, PLACER(S), POST, & BASE	\$ 350	18	\$ 2,700	\$ -	\$ -	\$ 800
CONNECTING ROUTES, PLACER, POST, & BASE	\$ 125	\$ -	\$ -	\$ -	\$ -	\$ -
REGULATORY/SAFETY, POST	\$					
STICKERS	\$					

**Sign Schedule and Preliminary Budget Estimates**



# Meeting Goals:

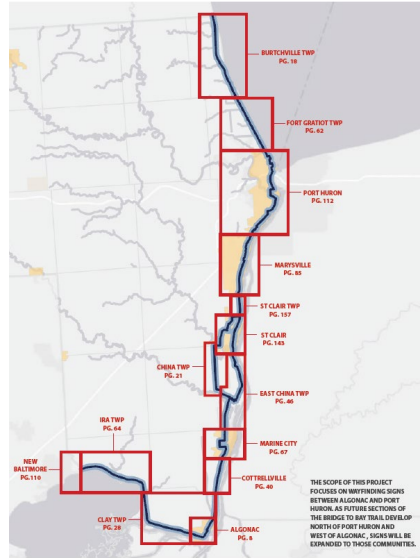
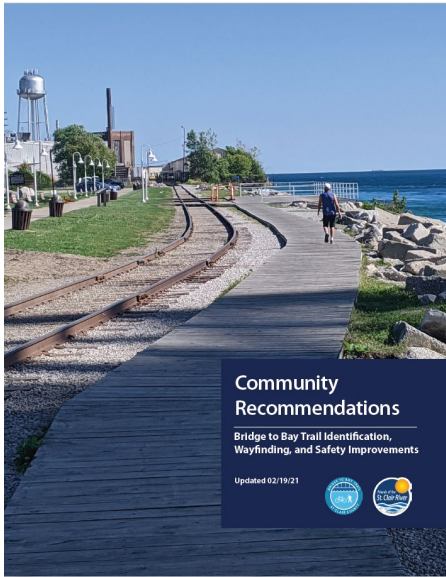
- Determine Who Will Be Participating
- Review Order Forms
- Discuss Timing
- Roles and Responsibilities
- Schedule Community Meetings







# Signage and Wayfinding Guide completed in 2020



## Principal Kiosk at Lions Club Park

- Large Roofed Sign
- 36" Tall x 64" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Terrabit 2-Post Classic Kiosk
- Front of sign: Bridge to Bay Trail map with local trail information facing West
- Back of sign: Option to add additional information, such as water trail or other recreation opportunities.
- Viewing Surface: Provide a 15'x 6' concrete pad in front of sign. If the sign is two-sided a 16'x 10' concrete pad should be installed so both sides of the sign are wheelchair accessible.



Locate kiosk near bicycle repair station

## Algonac

Web meeting with the Downriver Advisory Committee held on October 20, 2020.

### Action Items for Near Term Routes

- Initiate road diet study with MDOT on M-29 between Nook Road and Liberty Street to incorporate bikeway within the existing curbs
- Initiate lane narrowing study with MDOT on M-29 between Liberty Street and State Street to incorporate bikeway within the existing curbs
- Explore options for providing local inland bicycle route through Algonac and Clay Twp providing a by-pass to M-29 and a loop route in the City
- Provide alternative Bridge to Bay Trail route along M-29 when the trail to Algonac State Park floods

Responsible Agency:

City of Algonac and MDOT

City of Algonac and MDOT

City of Algonac and Clay Twp

City of Algonac and Clay Twp

### Kiosk Locations and Trail Parking

- Algonac Waterfront Park - Principal Kiosk
- Smith Recreation Field - Secondary Kiosk
- Algonac Lions Park - Principal Kiosk and Trail Parking

Responsible Agency:

Algonac

Algonac

Algonac

### Safety Issues

- Detectable warnings are required at every intersection with a roadway and desirable at every major driveway. The sign schedule notes locations where detectable warnings should be included.
- Numerous vegetation encroachments noted during fieldwork. See the Analysis Document for details.

## Algonac Sign Schedule

The following pages layout recommendations for signs along the Bridge to Bay Trail in Algonac. These sign location have also been inventoried in a GIS database. Contact Sheri Faust for access to the data.

When implementing the sign schedule, please note the following:

- Older practices often included signs that were not warranted. These signs are not inherently problematic or dangerous, but unnecessary. In many cases the existing signage was close enough to proposed guidelines that they are preserved in place. To reduce sign clutter and unnecessary costs, at the end of life these signs should be removed and replaced with recommended signs from the signage and wayfinding guide.
- Do the ongoing upkeep of pavement markings, whether they are currently existing or not.

The scope of this project focuses on wayfinding signs between Algonac and Port Huron. As future sections of the Bridge to Bay Trail develop north of Port Huron and west of Algonac, signs will be expanded to those communities.



Recommendations for the Algonac section include:



- 167 Pages of implementation directions
- Recommendations for each community
- Reviewed by communities, County Road Commission, State Parks, and MDOT
- Includes list of key action items and summary of sign quantities



# Bridge to Bay Trail - Signs and Kiosks

## Heads-up Navigation on the Trail



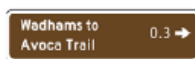
## Regulatory Signs



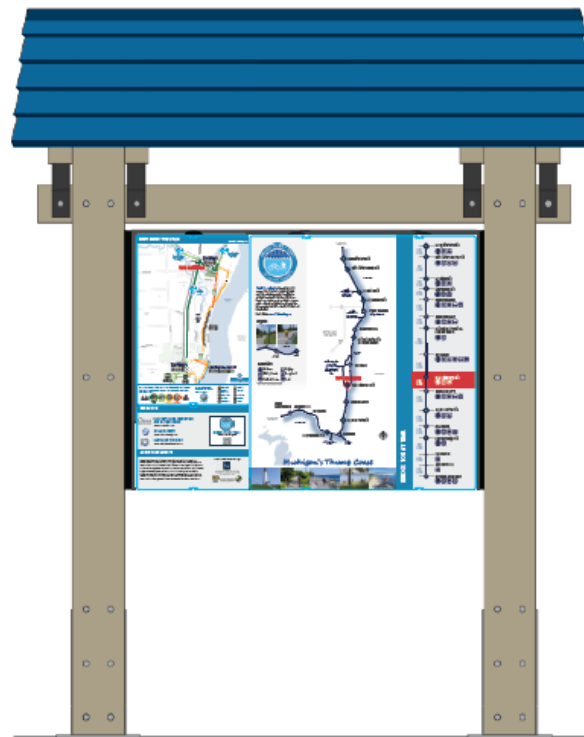
## Connecting to Other Routes



## Services & Parking



## Information Kiosk



## Stencils



## Trail Branding and Identification



[illegible]

- Excel Spreadsheet of the 124 standard and custom signs
- Unique signs grouped by community
- Will be the foundation for future sign orders
- Preliminary budget for materials – About \$250,000



Kiosks



Destination Signs



Trail Parking Signs



Route Signs



Connecting Route Signs



Service Signs



Regulatory & Safety Signs



Stencils/  
Stickers

<b>Algonac</b> Has some existing signs in Algonac State Park	<b>3</b>	<b>1</b>	<b>2</b>	<b>18</b>	<b>-</b>	<b>-</b>	<b>7</b>	<b>2</b>
<b>Burtchville Twp</b> Waiting on future trail connections	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>China Twp</b> Existing signs installed 2014	<b>1</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>-</b>
<b>Clay Twp</b> Wait on M-29 construction?	<b>5</b>	<b>1</b>	<b>-</b>	<b>10</b>	<b>-</b>	<b>2</b>	<b>10</b>	<b>-</b>
<b>Cottrellville Twp</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>12</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>East China Twp</b> Existing signs installed 2014	<b>①</b> Add Kiosk at Manor Park?	<b>4</b>	<b>3</b>	<b>12</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6</b>
<b>Fort Gratiot Twp</b> Waiting on future trail connections	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Ira Twp</b> Wait on M-29 construction?	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Marine City</b> Existing signs installed 2014	<b>6</b>	<b>2</b>	<b>2</b>	<b>11</b>	<b>33</b>	<b>2</b>	<b>2</b>	<b>4</b>
<b>Marysville</b> Signs installed with new construction?	<b>③</b>	<b>4</b>	<b>2</b>	<b>46</b>	<b>5</b>	<b>1</b>	<b>26</b>	<b>22</b>
<b>New Baltimore</b> Wait on M-29 construction?	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Port Huron</b>	<b>8</b>	<b>7</b>	<b>4</b>	<b>66</b>	<b>16</b>	<b>-</b>	<b>5</b>	<b>68</b>
<b>St Clair</b> Existing signs installed 2014	<b>②</b>	<b>2</b>	<b>4</b>	<b>17</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>4</b>
<b>St Clair Twp</b> Has some existing signs	<b>-</b>	<b>1</b>	<b>-</b>	<b>7</b>	<b>-</b>	<b>-</b>	<b>16</b>	<b>-</b>





# Signage and Wayfinding Implementation Budget

- \$250,000 total budget with lots of buy-in
  - \$50K Friends of the St Clair River
  - \$60K St Clair County Parks
  - Additional match from Bridge to Bay Trail communities
- Support from the Blue Water Convention and Visitor's Bureau for implementation coordination, custom artwork, and marketing materials







# Kiosks

- 3 different sizes
- Roofed Kiosk require footings
- Option for local information on back
- Installation, concrete pad and custom artwork are additional cost
- Vendor: [www.terrabilt.com](http://www.terrabilt.com)

## Terrabilt 2-Post Mini Kiosk

*Larger with Roof*



- Large Roofed Sign
- 48" Tall x 36" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Provide a 15' x 6' concrete pad in front of sign. If the sign is two-sided a 16' x 10' concrete pad should be installed so both sides of the sign are wheelchair accessible.
- The panel includes an overview map of the trail with areas for customized information on the local community, including options for encased bulletin boards and a brochure holder.

**\$7,000 - 8,000**

Installation, concrete pad, and development of custom graphics are additional costs.

## Terrabilt Trailhead Kiosk

*Smaller with Roof*



- Smaller Roofed Sign
- 32" Tall x 36" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Provide a 5' x 5' concrete pad in front of sign. If sign is two-sided, turn perpendicular to pathway and a 10' x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.
- This kiosk includes an overview map of the trail on the front panel. There is an option to provide customized local information on the back side of the panel.

**\$6,000 - 7,000**

Installation, concrete pad, and development of custom graphics are additional costs.

## Terrabilt Double Post Outboard

*Smaller and No Roof*



- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Single or Double Sided
- Direct Embedment or Surface Mount
- Provide a 5' x 5' concrete pad in front of sign. If sign is two-sided, turn perpendicular to pathway and a 10' x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.
- This kiosk includes an overview map of the trail on the front panel. There is an option to provide customized local information on the back side of the panel.

**\$2,000 - 3,000**

Installation, concrete pad, and development of custom graphics are additional costs.





# Kiosks Installed in 2022



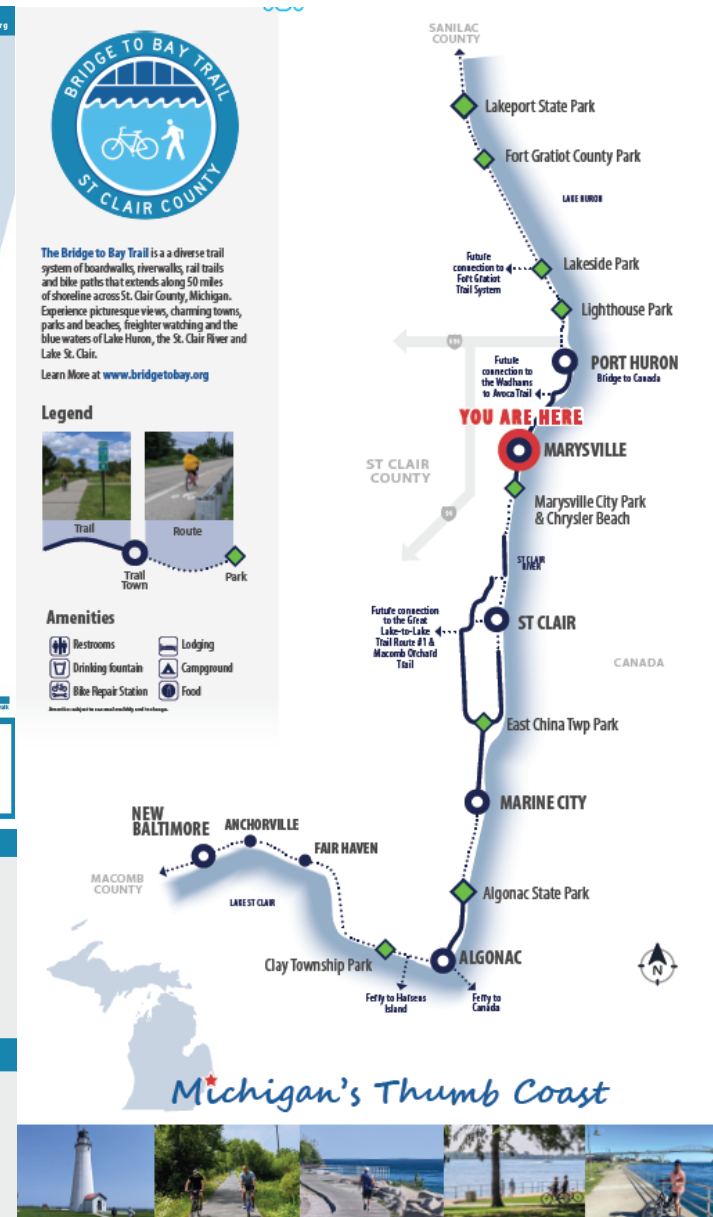




# Front Side of Kiosk

Artwork provided for front side of Kiosk

- Bridge to Bay Trail Overview Map
- Local Map of Bridge to Bay Trail Route
- Website Links to local resources and acknowledgements



Mini Kiosk

Double Post and Trail Head Kiosk





# Backside of Kiosk

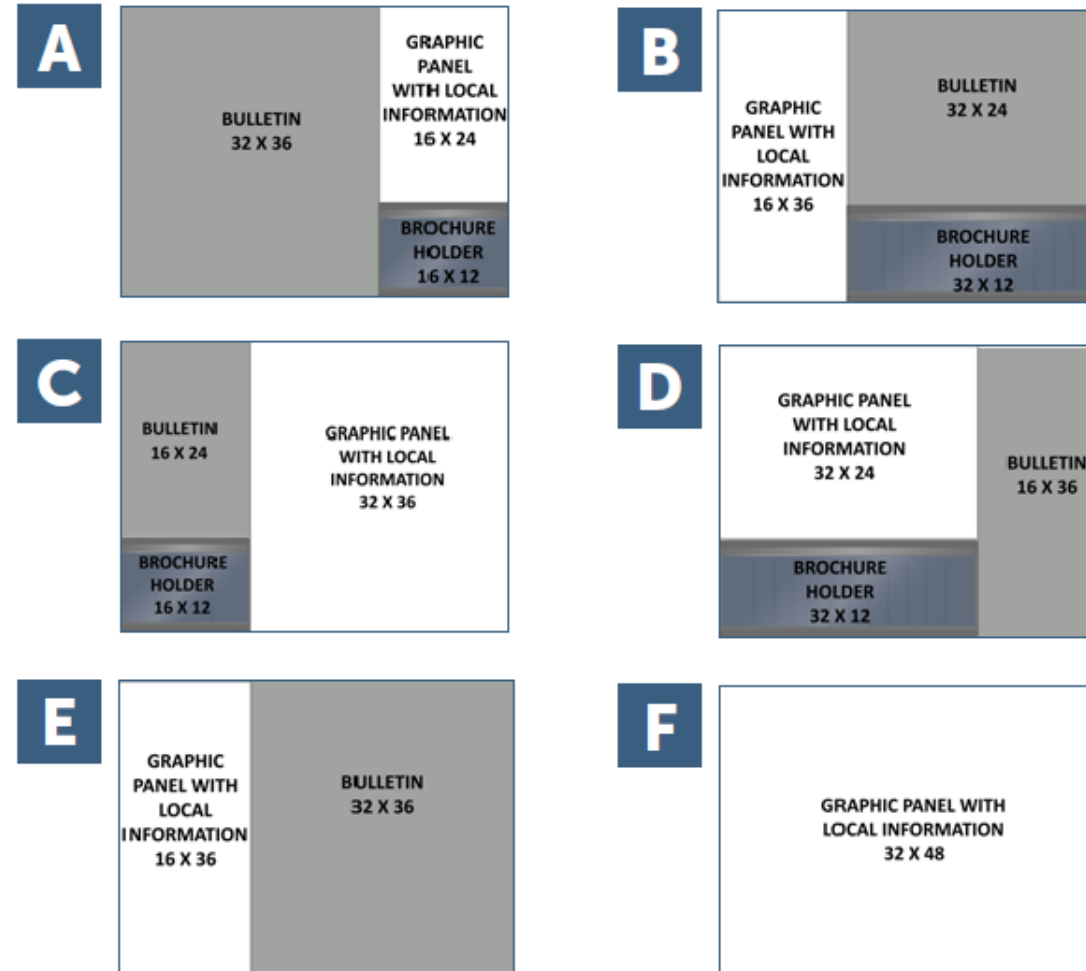
## Options:

- Keep it blank
- Duplicate the front
- Provide local information, custom artwork, bulletin boards, and brochure holders
- Coordinate with Convention Bureau on online resources

## Modular Panels

### Example Layouts for Back Panel 48" x 36"

Modular panels allow local communities to customize the back side panel of the kiosk. There are options to include brochure holders and bulletins. Below are some examples of layout options for the back panel.



## Bulletin Case Sizes



## Bulletin Board Sizes



## Brochure Holder Sizes





# Kiosks Orders and Installation

- Wayfinding grant covers kiosk structure
- Local Community/DPW responsible for installation of kiosk and concrete pad
- Most custom community artwork supported by BWCVB
- Timeline
  - Prepare artwork and order in 2022
  - Installation in 2023 and 2024



Who needs to involved in the discussions?

What kiosks are installed in 2023 vs 2024?



# Phase 2 Kiosk Map

## Algonac

Riverfront Park - Mini Kiosk  
Skate Park - Double Post Kiosk  
Lions Club Park - Double Post Kiosk

## Burtchville

Lakeport State Park Day Area - Mini Kiosk

## China Twp

Belle River Park - Double Post Kiosk

## Clay Twp

Pearl Beach Pier - Double Post Kiosk  
Clay Twp Park - Double Post Kiosk  
Brown's Field, Harsen's Island - Mini Kiosk  
Future County Park - Mini Kiosk  
**PHASE 2** Algonac State Park - Mini Kiosk

## Cottrellville Twp

None Planned

## East China Twp

**PHASE 1** East China Twp Park - Existing Mini Kiosk  
**PHASE 2** Manor Park - Double Post Kiosk  
(In-place of Rotary Park in St Clair)

## Fort Gratiot Twp

Fort Gratiot Twp Park - Mini Kiosk

## Ira Twp

Ira Twp Park - Mini Kiosk  
Waterworks Park - Double Post Kiosk

## Marine City

Mariner Park - Double Post Kiosk  
Lighthouse Park - Double Post Kiosk  
Belle River Kayak Launch/River Ave -

Double Post Kiosk  
King Road Park - Double Post Kiosk  
**PHASE 2** Library - Mini Kiosk  
Metropolis Street - Double Post Kiosk

## Marysville

**PHASE 1** Chrysler Beach - Existing Double Post Kiosk (double-sided)  
**PHASE 1** Marysville City Park - Existing Double Post Kiosk (double-sided)  
**PHASE 1** Morton Park - Existing Mini Kiosk

## New Baltimore

Walter & Mary Burke Park - Double Post Kiosk

## Port Huron

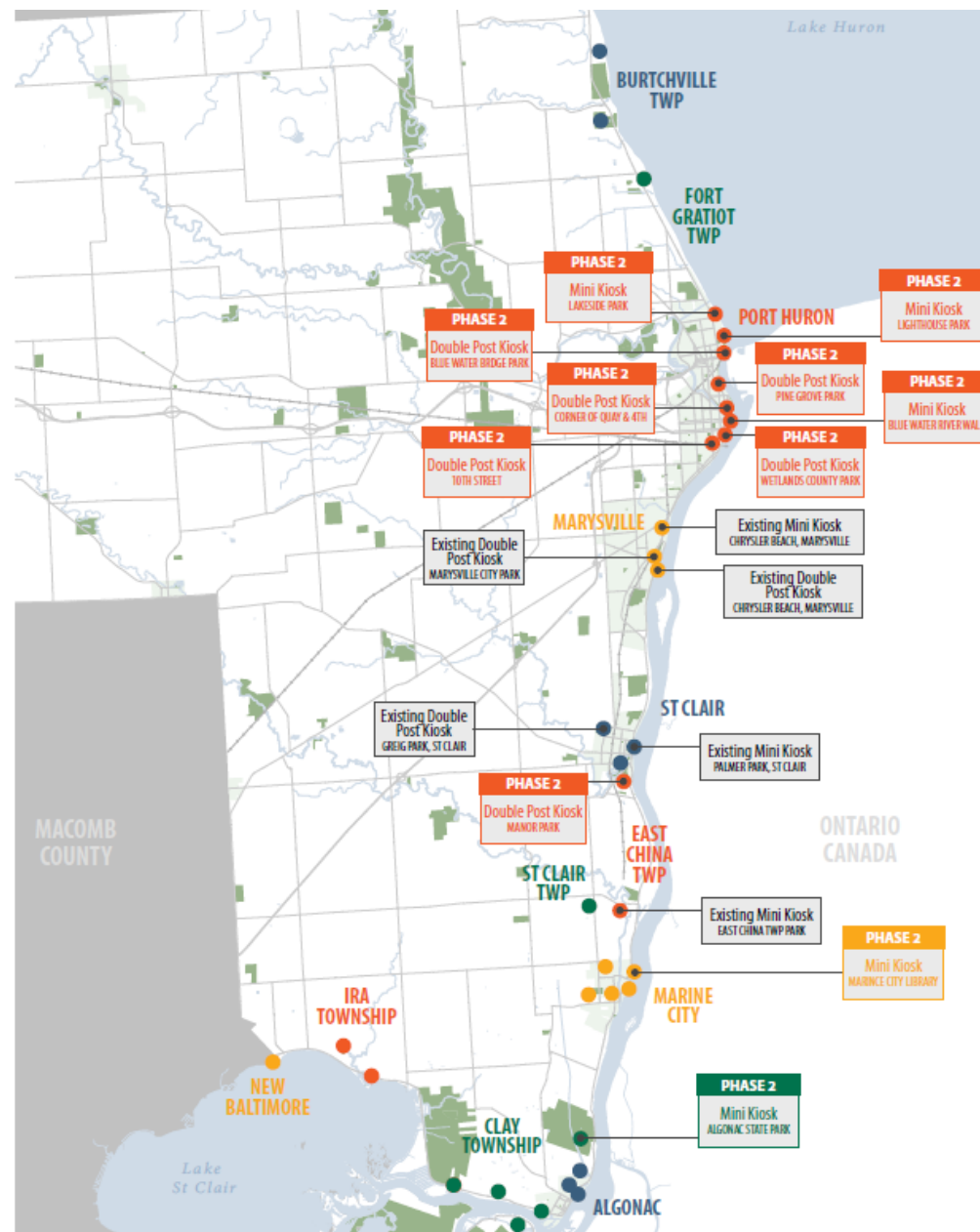
**PHASE 2** 10th Street - Double Post Kiosk  
**PHASE 2** Wetlands County Park - Double Post Kiosk  
**PHASE 2** Blue Water River Walk - Mini Kiosk  
**PHASE 2** Corner of Quay Street & 4th Street - Double Post Kiosk  
**PHASE 2** Pine Grove Park - Double Post Kiosk  
**PHASE 2** Blue Water Bridge Park - Double Post Kiosk  
**PHASE 2** Lighthouse Park - Mini Kiosk  
**PHASE 2** Lakeside Park - Mini Kiosk

## St Clair

**PHASE 1** Palmer Park - Existing Mini Kiosk  
**PHASE 1** Greig Park - Existing Double Post Kiosk (single-sided)  
~~Rotary Park - Double Post Kiosk~~  
(Change to Manor Park in East China)

## St Clair Twp

None Planned







# Kiosk Form

## BRIDGE TO BAY TRAIL KIOSK CHECKLIST

### 1. Kiosk Location

Location Name / Address:

### 2. Kiosk Type - Choose one

☐ **Terrabilt 2-Post Mini Kiosk**  
Larger with roof



Requires footing and a 15'x 6' concrete pad in front of sign.  
If the sign is two-sided a 16'x 10' concrete pad should be installed so both sides of the sign are wheelchair accessible.

#### Concrete Pad:

☐ NEW 15'x 6' pad (One-sided Kiosk) ☐ NEW 16'x 10' pad (Two-sided Kiosk) ☐ Existing Pad

#### Footing:

Footing are required for Terrabilt 2-Post Mini Kiosk. Please check the box if you would like to receive the template to install the footing ahead of the kiosk delivery.

☐ Install footing prior to kiosk delivery

☐ **Terrabilt Trailhead Kiosk**  
Smaller with roof



Requires footing and a 5'x 5' concrete pad in front of sign.  
If the sign is two-sided a 10'x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.

#### Concrete Pad:

☐ NEW 5'x 5' pad (One-sided Kiosk) ☐ NEW 10'x 12' pad (Two-sided Kiosk) ☐ Existing Pad

#### Footing:

Footing are required for Terrabilt Trailhead Kiosk. Please check the box if you would like to receive the template to install the footing ahead of the kiosk delivery.

☐ Install footing prior to kiosk delivery

☐ **Terrabilt Double Post Outboard**  
Small and no roof



Direct embedment or baseplate mount of posts and a 5'x 5' concrete pad in front of sign. If sign is two-sided, turn perpendicular to pathway and a 10'x12' concrete pad should be installed so both sides of the sign are wheelchair accessible.

#### Concrete Pad:

☐ NEW 5'x 5' pad (One-sided Kiosk) ☐ NEW 10'x 12' pad (Two-sided Kiosk) ☐ Existing Pad

#### Footing:

☐ Direct Embedment (Secondary Kiosk) ☐ Surface Mount (Secondary Kiosk)



# Kiosk Form

**3. Panel Material** - All products are rigid and 1/8" thick substrates. Vinyl on aluminum is the least resistant to vandalism but may be a good solution when changing information over a shorter period of time.

☐ High Pressure Laminate (HPL)  
10 year warranty

☐ ImageLOC (Power coated image on aluminum)  
10 year warranty

☐ Printed Vinyl on Aluminum  
7 year warranty

**4. Laminate Coating** - The laminate coating provides protection against UV and graffiti. A matte finish will be less reflective and easier to read in an outdoor application.

☐ High Gloss Finish  
7 year warranty

☐ Matte Finish  
5 year warranty

## 5. Artwork

What local website link would you like to use on the FRONT of the kiosk?

One website link may be provided for local resources on the Front Panel



What type of inset map would you like to use on the FRONT side of the Kiosk?

☐ Use existing trail town map from website

☐ Use existing bike ride map from website

☐ Use custom artwork

A trail map displayed in a kiosk should be sized and designed to be easily viewed at between 24" and 30" when standing to read the kiosk information. Maps that have already been created for the website may be used for the local inset map (16" x 24") on the front of the kiosk. Local unit of government would be responsible for any other custom artwork.



Will your kiosk have artwork on the BACK?

☐ Leave Blank

☐ Duplicate Front

☐ Provide custom local information

If providing local information on the BACK...

a.) Do you want to include any of the following:

☐ Bulletin Case

☐ Bulletin Board

☐ Brochure Holder

b.) If you would like to use one of the example layouts from Page 7 or 10 please write the letter (A - L) here: \_\_\_\_\_



# Kiosk Form

## 6. Contact Information

*Who will be the main point of contact handling the kiosk order?*

Name:

Organization:

Email:

Phone Number:

## 7. Kiosk Delivery Information

*The lumber kits arrive on a pallet weighing in the 800 lb range. There will be additional pancakes with receiver panels, baseplates, brackets, templates and graphic panels.*

Name:

Address:

Instructions:

## 8. Billing Information

*A 50% down payment will be required at time of order*

Name:

Address:

Instructions:

## CONTACT AND VENDOR INFORMATION:

### THE GREENWAY COLLABORATIVE, INC

102 Nickels Arcade  
Ann Arbor, MI 48104  
[www.greenwaycollab.com](http://www.greenwaycollab.com)

Carolyn Prudhomme  
Arwork and implementation assistance  
[carolyn@greenwaycollab.com](mailto:carolyn@greenwaycollab.com)  
734-668-8848 ex.2

Norm Cox  
Billing  
[Norm@greenwaycollab.com](mailto:Norm@greenwaycollab.com)  
734-668-8848 ex.1

### TERRABILT, INC

532 North State Road  
Briarcliff Manor, NY 10510  
[www.terrabilt.com](http://www.terrabilt.com)

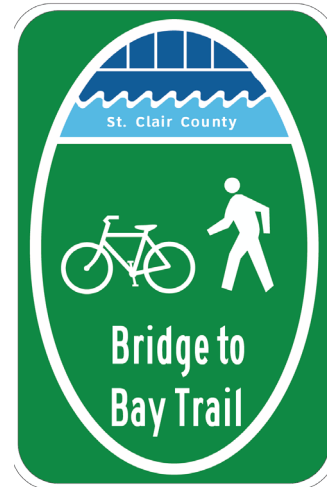
Chris O'Hara  
Kiosk Orders and Customer Service  
[chris@terrabilt.com](mailto:chris@terrabilt.com)

Greg LaGuardia  
Billing  
[billing@terrabilt.com](mailto:billing@terrabilt.com)  
914-341-1500





# Signs Materials



- Current plan is to do a single large order of signs, posts, and bases
- Can include some extra general signs for repairs and future work
- Can include some sign blanks for those agencies that have their own sign shops and who would like them





# Proposed Roles and Responsibilities



## Based on Previous Discussions:

- County Road Commission – Install Along County Roads and MDOT Trunklines
- Local DPW and MDNR – Install along local roads, off-road trails, boardwalks, and parks
- Integrate pavement marking into MDOT, County, and Local pavement marking contracts
- Friends of the St. Clair River to coordinate Confidence Marker Stencils and/or stickers
- Some demo of old signs will be required





# Stencils Installed in 2022







- Wayfinding grants covers sign material costs and coordination with manufacturer
- County Road Commission and Local Communities are responsible for installation
- Timeline
  - Update plans and order signs in 2022
  - Installation in 2023 and 2024

## Who needs to be involved in the discussions?

## What signs are being installed as part of trail construction projects?







# Sign Order Questions

**We will follow-up with individual communities to work out the details**

- Do sign locations or quantities need to be adjusted based on recent route changes or planned construction?
- Are any signs included in upcoming construction projects?
- Confidence marker stencils or stickers?
- Sorting signs by agency responsible for installation and demo
- Who is the main point of contact?
- Delivery address and instructions?





# Timing and Next Steps

## Fall 2022

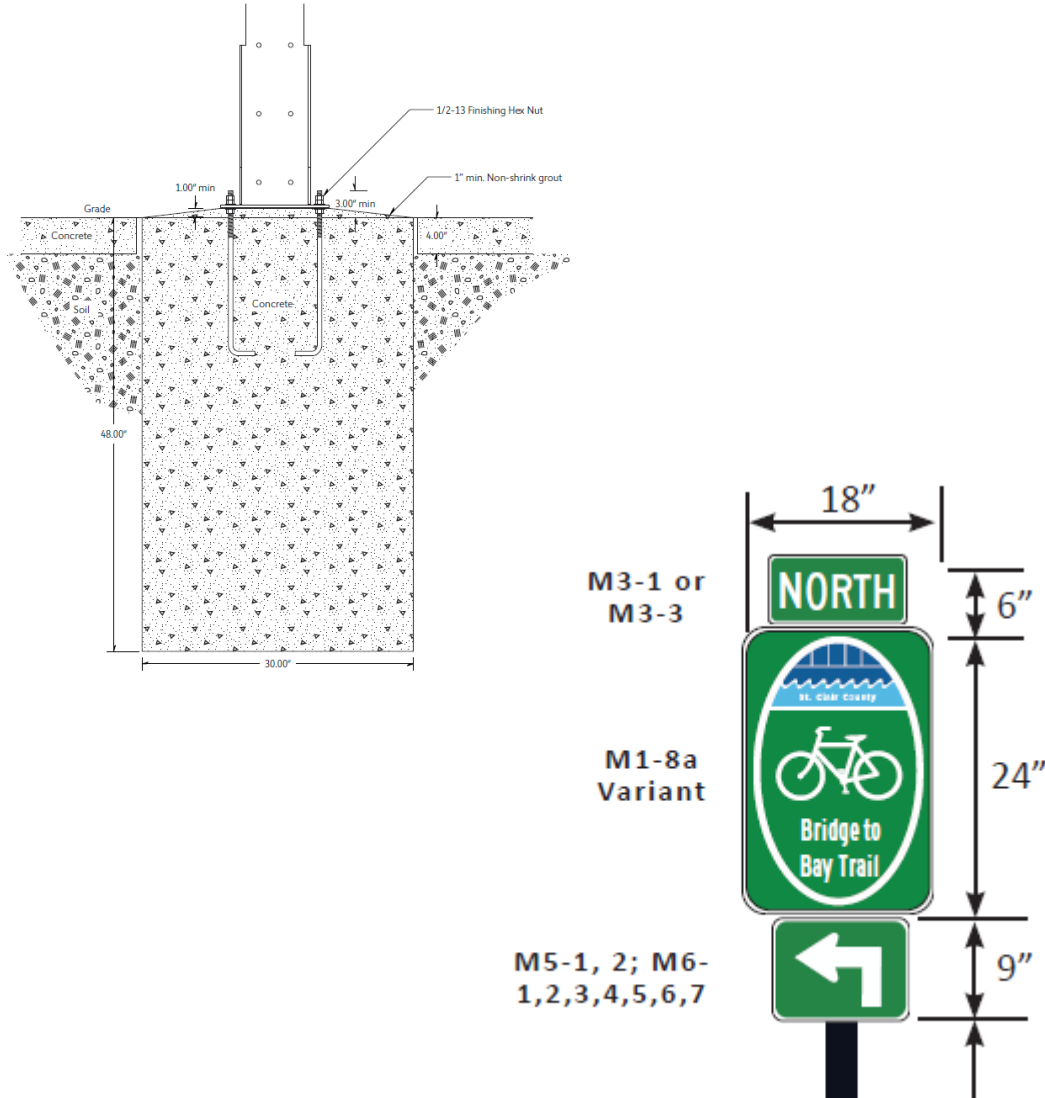
- Set up individual meetings with communities to flush out details
- Update sign plans and prepare custom artwork for kiosks if needed
- Order kiosks and signs
- Communities to set up PO's and provide down payment

## Spring through Fall 2023

- Install majority of signs and kiosks

## Through Summer 2024

- Install any remaining signs and kiosks







# Follow-up Meetings

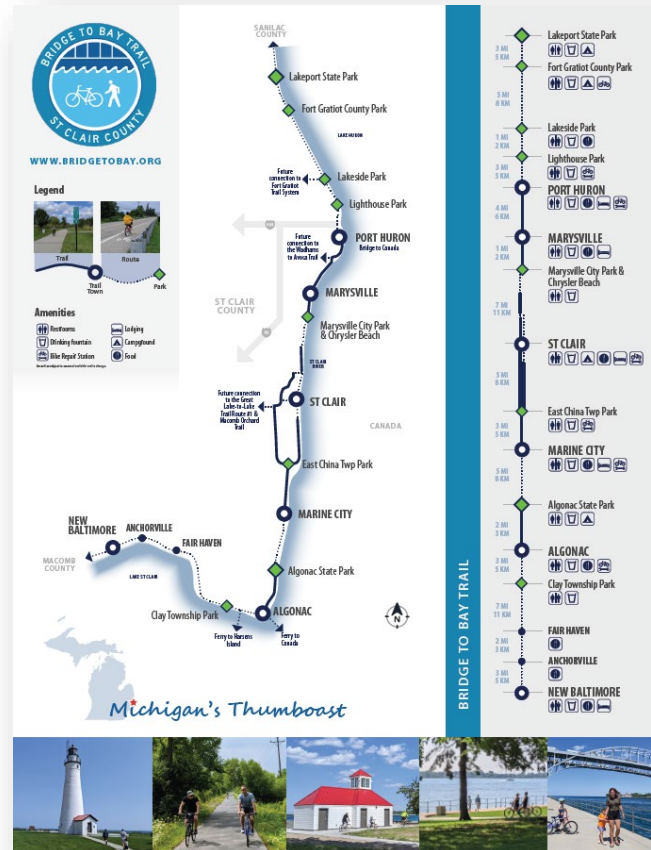
- Who is the point person?
- Who else should be involved?
  - Planning & Approvals
  - Installation
  - Purchasing
- Tentative dates:
  - October 27, anytime
  - October 27, morning
  - November 2, afternoon
  - November 7, between 3 pm and 5 pm
  - November 9, afternoon
  - November 10, morning
  - November 14, between 3 pm and 5 pm







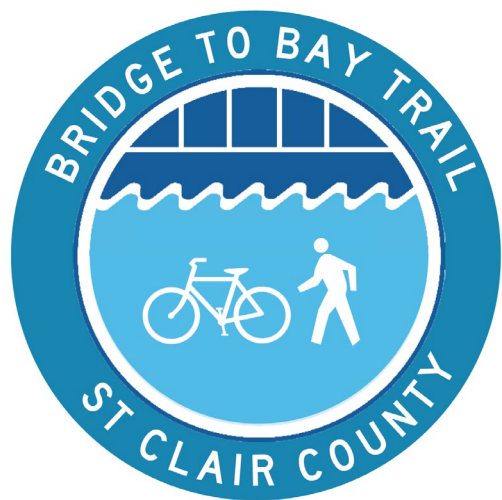
# Bridge to Bay Trail Promotional Items



Is there interest in:

- Water Bottles
- Mugs, Cups, or Glasses
- Large Display Banners
- Logo Stickers
- Logo Magnets
- Tote Bags
- Hats
- T-Shirts
- Bike Jerseys
- Other?





**Thank You!**

