

Community Recommendations

**Bridge to Bay Trail Identification,
Wayfinding, and Safety Improvements**

Updated 10/29/21

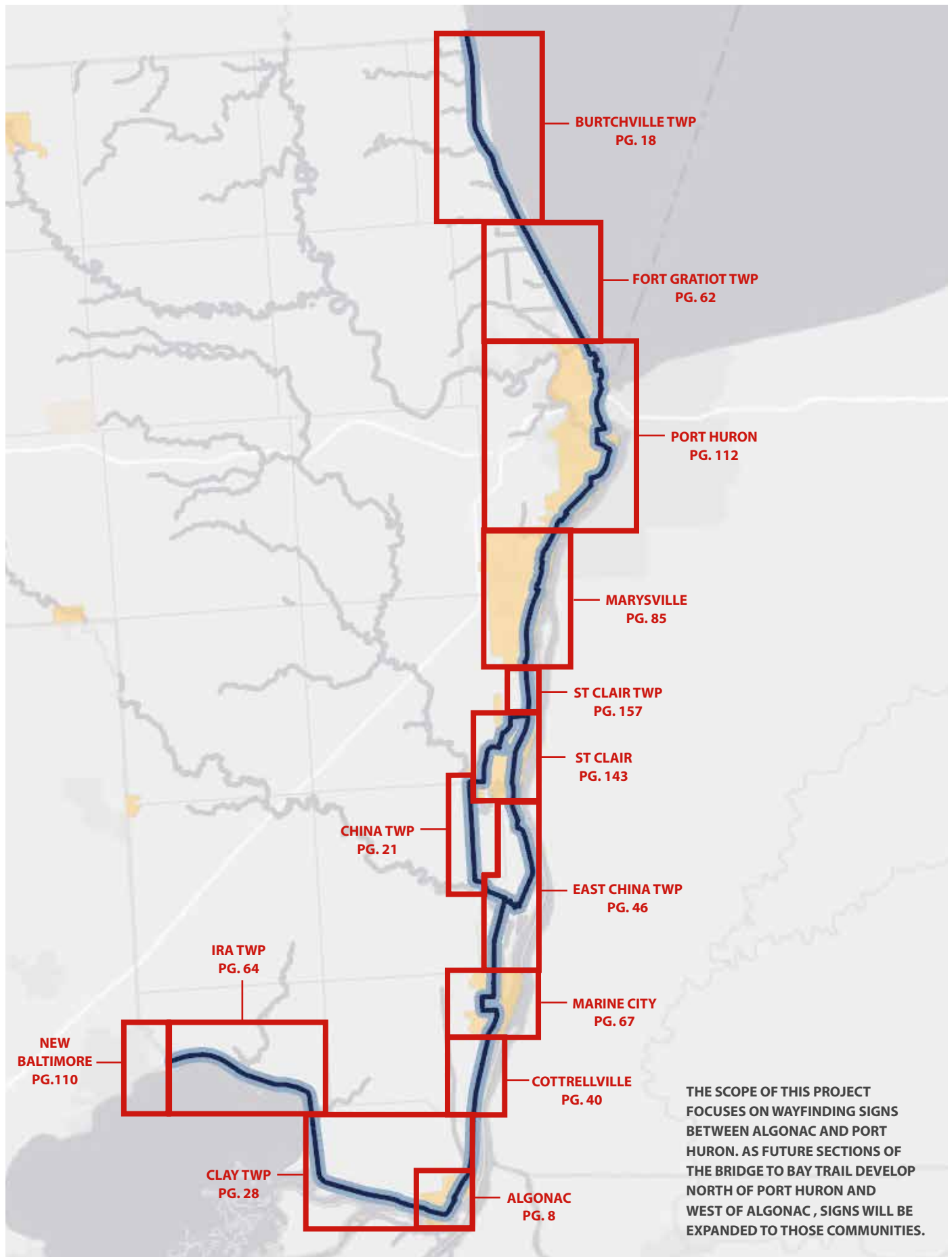




This Bridge to Bay Trail Wayfinding, Signage and Safety Plan is the result of a nine-month process guided by Friends of the St Clair River, five local trail advisory groups and a steering committee with representation from local, regional and state agencies. Project funding was provided by the Ralph C. Wilson, Jr. Foundation, St Clair County Parks and Recreation Commission and St. Clair County Metropolitan Planning Commission.

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Introduction

This document summarizes recommendations based on meetings with project staff, the steering committee and advisory committees. During these meetings, community stakeholders discussed near-term trail routing, destination sign locations, principal and secondary kiosk locations, and trail parking.

Below is an overview of signs and kiosk discussed.



Principal Kiosk

- Large Roofed Sign
- 36" Tall x 48" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Terrabilt 2-Post Classic Kiosk

The more substantial principal kiosks would be located in trail towns and major parks. 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.



Secondary Kiosk

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Single or Double Sided
- Direct Embedment of Posts
- Terrabilt Double Post Outboard

The secondary kiosk would be located at points of interest along the trail, such as parks, and would include an overview map of the trail on the front panel. There is also an option to provide customized local information on the back side of the panel.



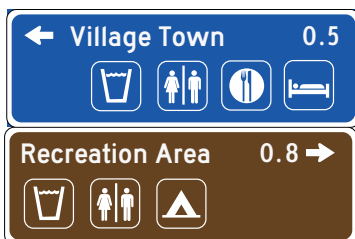
Destination Sign

- Head-up Navigation While On Trail
- Shows Next Three Trail Towns or Major Parks
- Lists Distances and Amenities
- Used Sparingly (when exiting a major park or trail town)



Trail Parking

- Designated areas in trail towns and major parks for motorists to park and access the trail
- Easy access to the trail
- Ample parking available
- Access to amenities such as restrooms, drinking fountains and bicycle repair stations would be ideal



Services

- Support Services Near the Trail
- Places to Access the Trail

TRAIL TOWNS & MAJOR PARKS



Routes

- Branding
- Directions
- Route Reinforcement
- Many Different Types



Riverwalk sections



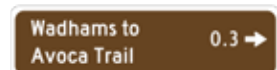
MMUTCD
compliant signs
for road Right-of-
Ways



Confidence markers
and stencils for
sidewalks and
pathways

Connecting Routes

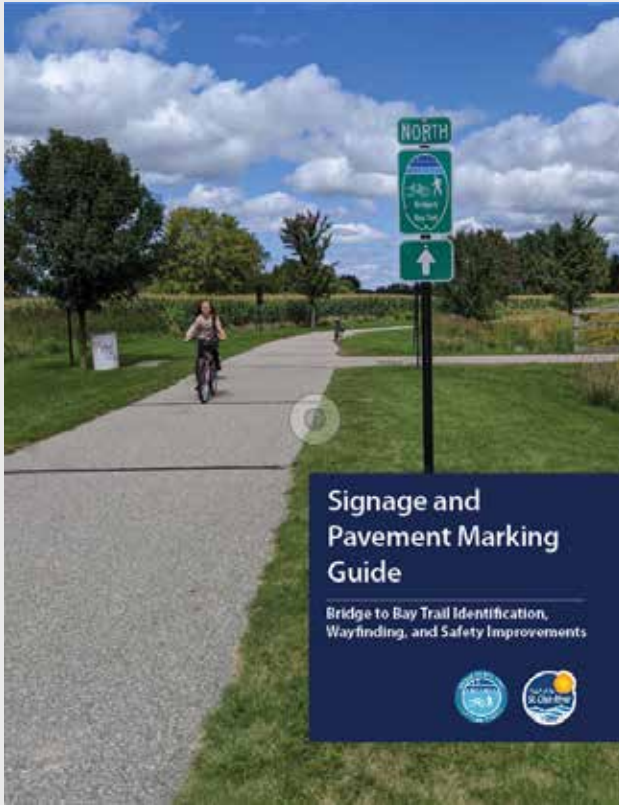
- Local Bike Routes
- Directions to Nearby Regional Trails



Regulatory & Safety

- Signs and Pavement Markings
- Focus on Interactions Between Motorists and Trail Users
- Primarily at Intersections
- Many Different Types





For additional information on signs, see the [Signage and Pavement Marking Guide](#).

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

Kiosk Locations and Trail Parking

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

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 to be included.
- Numerous vegetation encroachments noted during fieldwork. See the Analysis Document for details.

Responsible Agency:

City of Algonac and MDOT

City of Algonac and MDOT

City of Algonac and Clay Twp

City of Algonac and Clay Twp

Responsible Agency:

Algonac

Algonac

Algonac

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, this plan notes all 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:

2

PRINCIPAL
KIOSKS

1

SECONDARY
KIOSKS

1

DESTINATION
SIGNS

2

TRAIL PARKING
SIGNS

18

ROUTE
SIGNS

7

REGULATORY/
SAFETY SIGNS

2

STENCILS/
STICKERS

Principal Kiosk at Riverfront Park

- Large Roofed Sign
- 36" Tall x 48" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Terrabilt 2-Post Classic Kiosk
- Front of sign: Bridge to Bay Trail map with local trail information facing North
- 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.

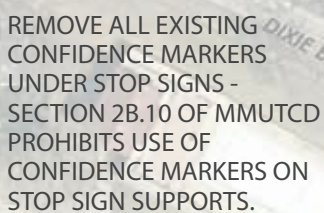


Secondary Kiosk at Pine Grove Park

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail Map facing Southeast
- Back of sign: Option to add local information
- Viewing Surface: 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.







PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

trailhead
parking



PRIMARY KIOSK
SEE NEXT PAGE

LIONS CLUB
PARK

M1-8a
variant with
bike symbol
(18"x24")

M3-3
(12"x6")



POST A

MAPLE ST

MICHIGAN ST

POST 9

M3-1
(12"x6")

M1-8a
variant with
bike symbol
(18"x24")

MDOT JURISDICTION

Trailhead
Parking
(42"x30")

Trailhead
Parking
(42"x30")

POST 4

DIXIE BLVD

SAINT CLAIR RIVER DR

POST 7

VENETIAN WAY

Trailhead
Parking
(42"x30")

MDOT JURISDICTION



○ BREAKAWAY METAL POST

☐ COMPOSITE LUMBER POST (4"X4")

Principal Kiosk at Lions Club Park

- Large Roofed Sign
- 36" Tall x 48" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Terrabilt 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.



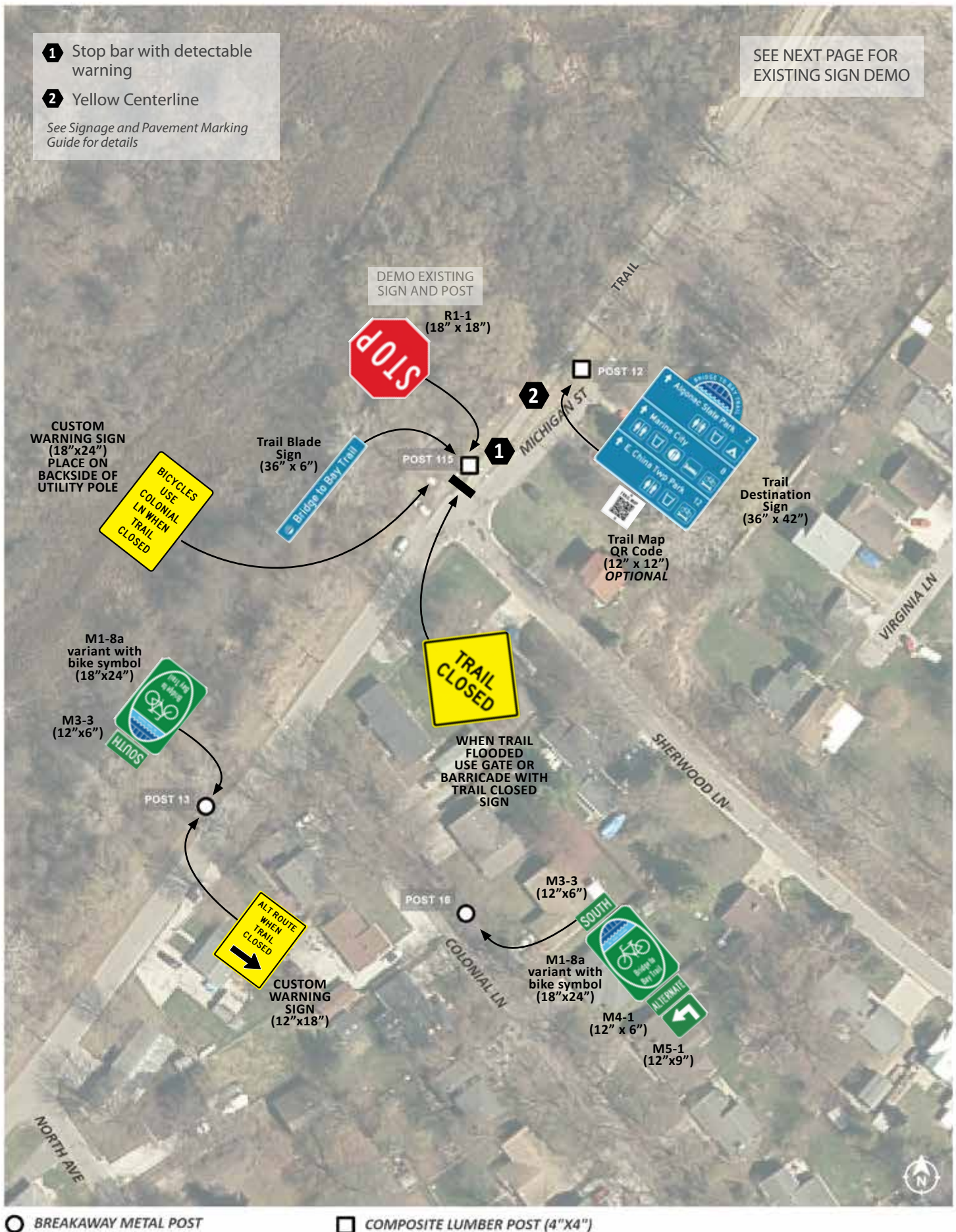
Locate kiosk near bicycle repair station

1 Stop bar with detectable warning

2 Yellow Centerline

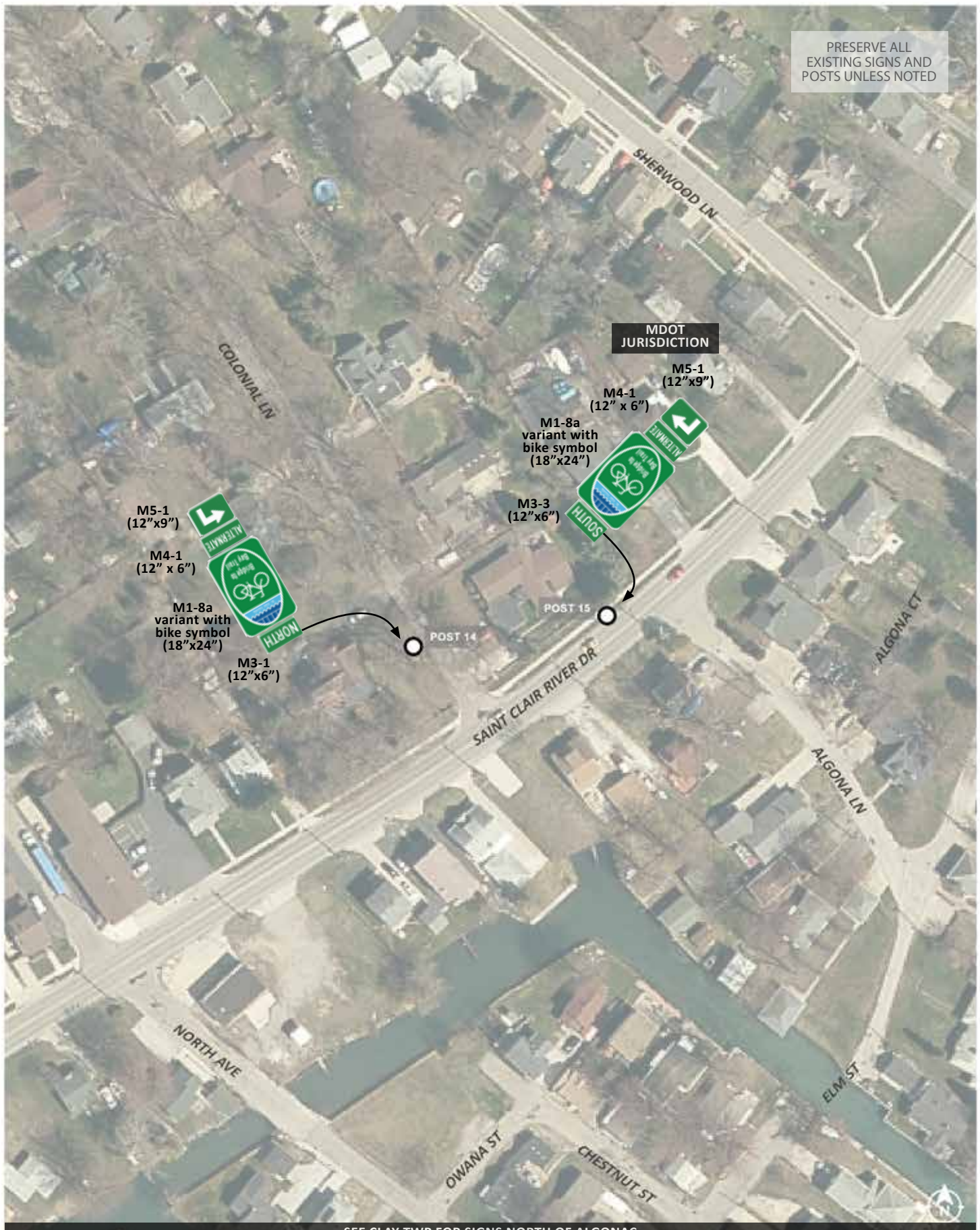
See Signage and Pavement Marking Guide for details

SEE NEXT PAGE FOR EXISTING SIGN DEMO





PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



SEE CLAY TWP FOR SIGNS NORTH OF ALGONAC

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

Burtchville Twp

No meetings have taken place with Burtchville Township. Recommendations have been verified with Township.

Action Items for Near Term Routes

- Where the paved shoulder is designated as a bike route, modify the edge line markings at intersections to be consistent with typical bike lane markings. Specifically, remove radius markings and eliminate paved shoulders to the right of designated right turn lanes.
- Explore options for providing nonmotorized connection along utility corridor between Lakeport State Park Campground and North Lakeport (Lakeshore Rd)
- Explore options for providing nonmotorized connection between Lakeport State Park Day Area and the shared use path on State Road

Kiosk Locations and Trail Parking

- Lakeport State Park Day Use Area - Principal Kiosk
- Lakeport State Park Campground - Kiosk type and locations TBD until trail route becomes more defined
- Burtchville Park - Secondary Kiosk

Note: If trail parking signs are used for the State Park, need to indicate that passport is required

Burtchville Twp Sign Schedule

The following pages layout recommendations for Kiosk in Burtchville Twp. These kiosk location have also been inventoried in a GIS database. Contact Sheri Faust for access to the data.

Recommendations for the Burtchville Twp section include:

1

PRINCIPAL
KIOSKS

1

SECONDARY
KIOSKS

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.

Responsible Agency:

MDOT

Burtchville Twp & MDNR

Burtchville Twp & MDNR

Responsible Agency:

MDNR

MDNR

Burtchville Twp

LOCATION MAP





Principal Kiosk at Lakeport State Park Day Area

- Large Roofed Sign
- 36" Tall x 48" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Terrabilt 2-Post Classic Kiosk
- Front of sign: Bridge to Bay Trail map with local trail information facing East
- 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.





Secondary Kiosk at Burchville Park

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail Map facing North
- Back of sign: Option to add local information
- Viewing Surface: Place along pathway or 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.



China Twp

No meetings have taken place with China Township. Recommendations have been verified with Township.

Action Items for Near Term Routes

- Explore options for providing trail connection to China Township Belle River Park on King Road, would require road crossing on King Road

Kiosk Locations and Trail Parking

- China Township Belle River Access Park - Secondary Kiosk
- Parking lot at northeast corner of King Road and Recor Road - Secondary Kiosk and Trail Parking
- Fred Moore Hwy and King Road - Secondary Kiosk (decision point for Great Lake to Lake Trail, US Bike Route 20 and Bridge to Bay Trail)

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 to be included.

Responsible Agency:

China Twp

Responsible Agency:

China Twp

China Twp

China Twp

China Twp Sign Schedule

The following pages layout recommendations for signs along the Bridge to Bay Trail in China Twp. 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, this plan notes all pavement markings, whether they are currently existing or not.



Recommendations for the China Twp section include:

1

SECONDARY
KIOSKS

2

ROUTE
SIGNS

2

REGULATORY/
SAFETY SIGNS

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



○ BREAKAWAY METAL POST

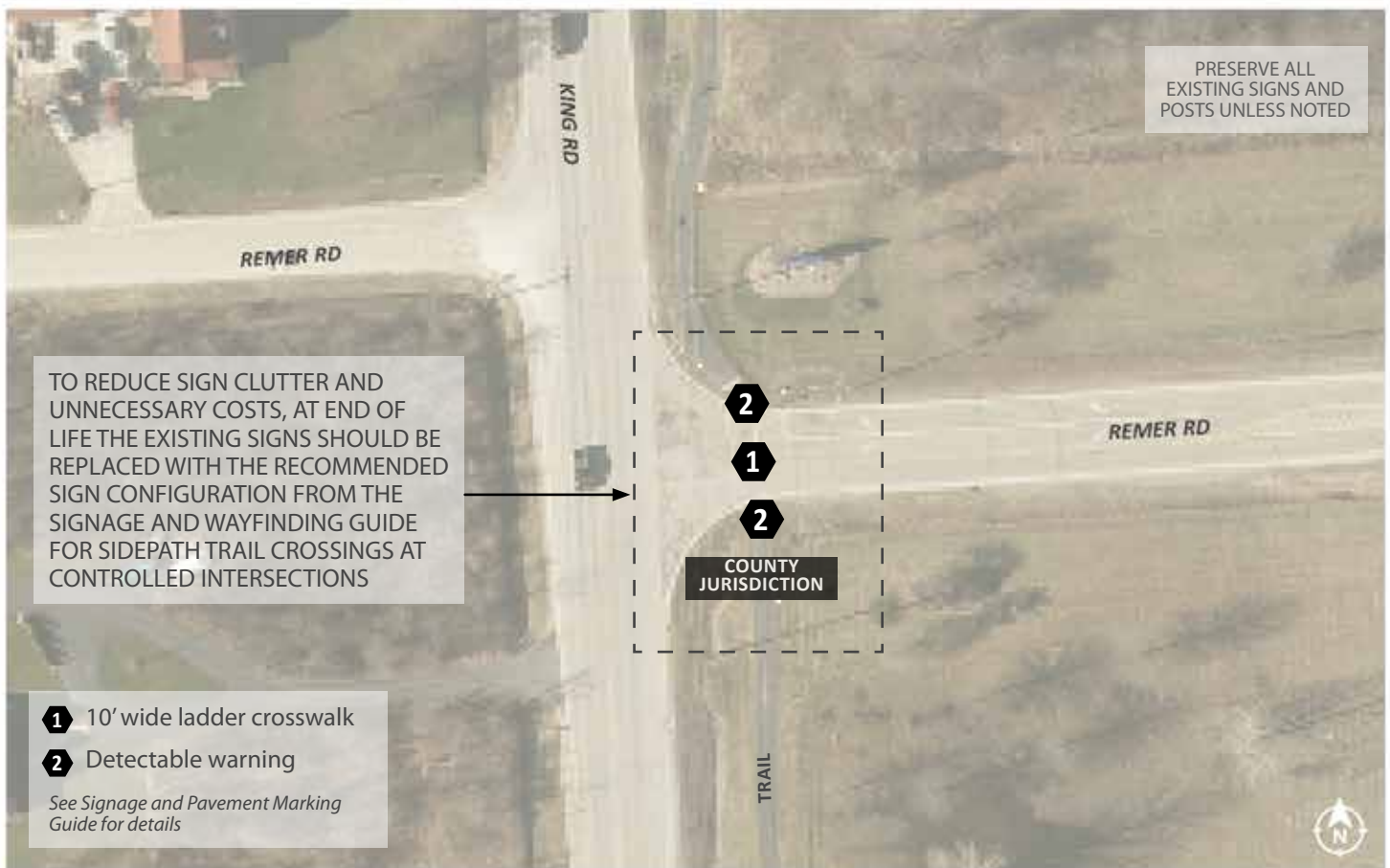
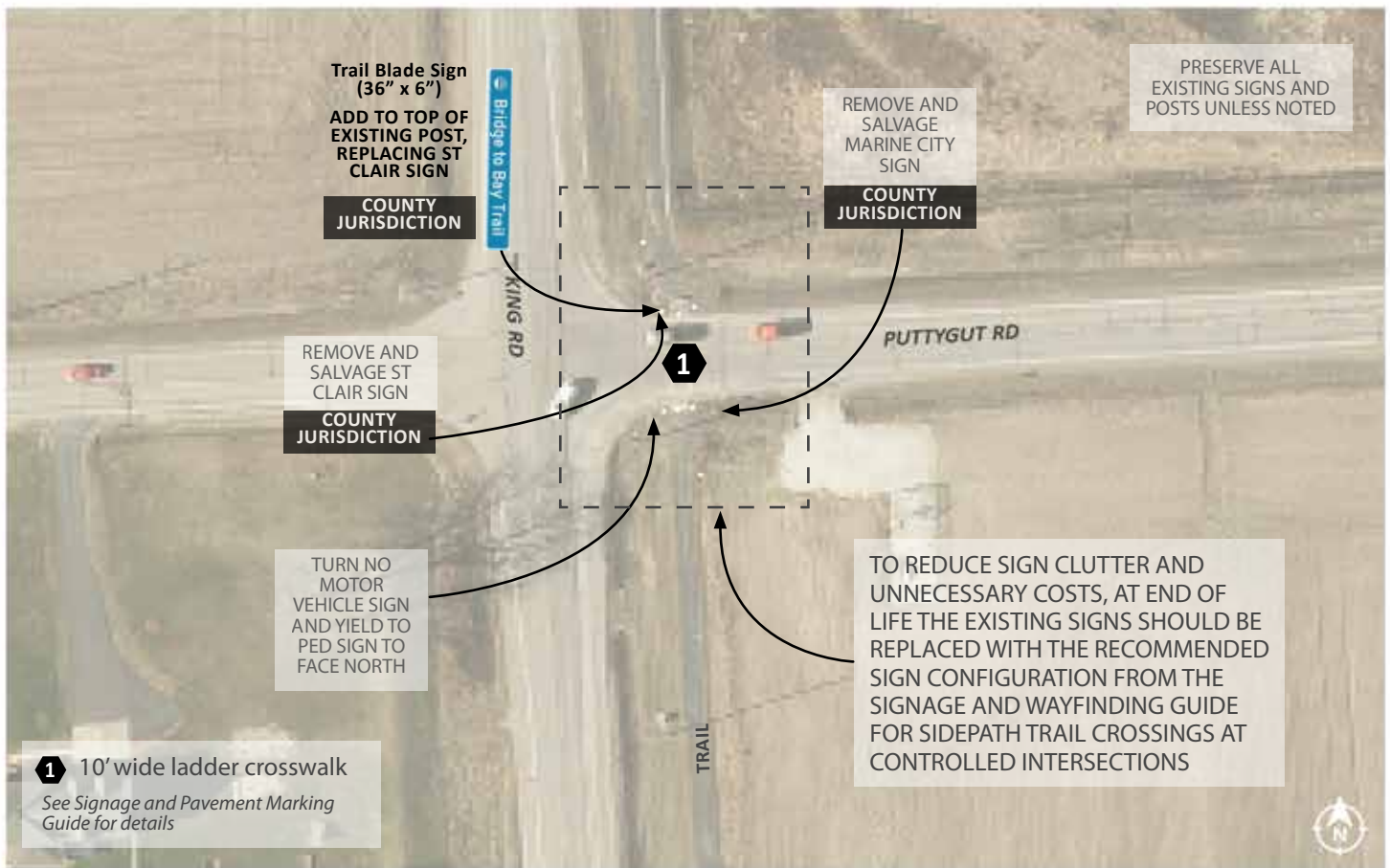
□ COMPOSITE LUMBER POST (4"X4")

Secondary Kiosk at China Twp Belle River Park

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail Map facing North
- Back of sign: Option to add local information
- Viewing Surface: Place along pathway or 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.



Explore options for providing trail connection to China Township Belle River Park on King Road, would require road crossing on King Road



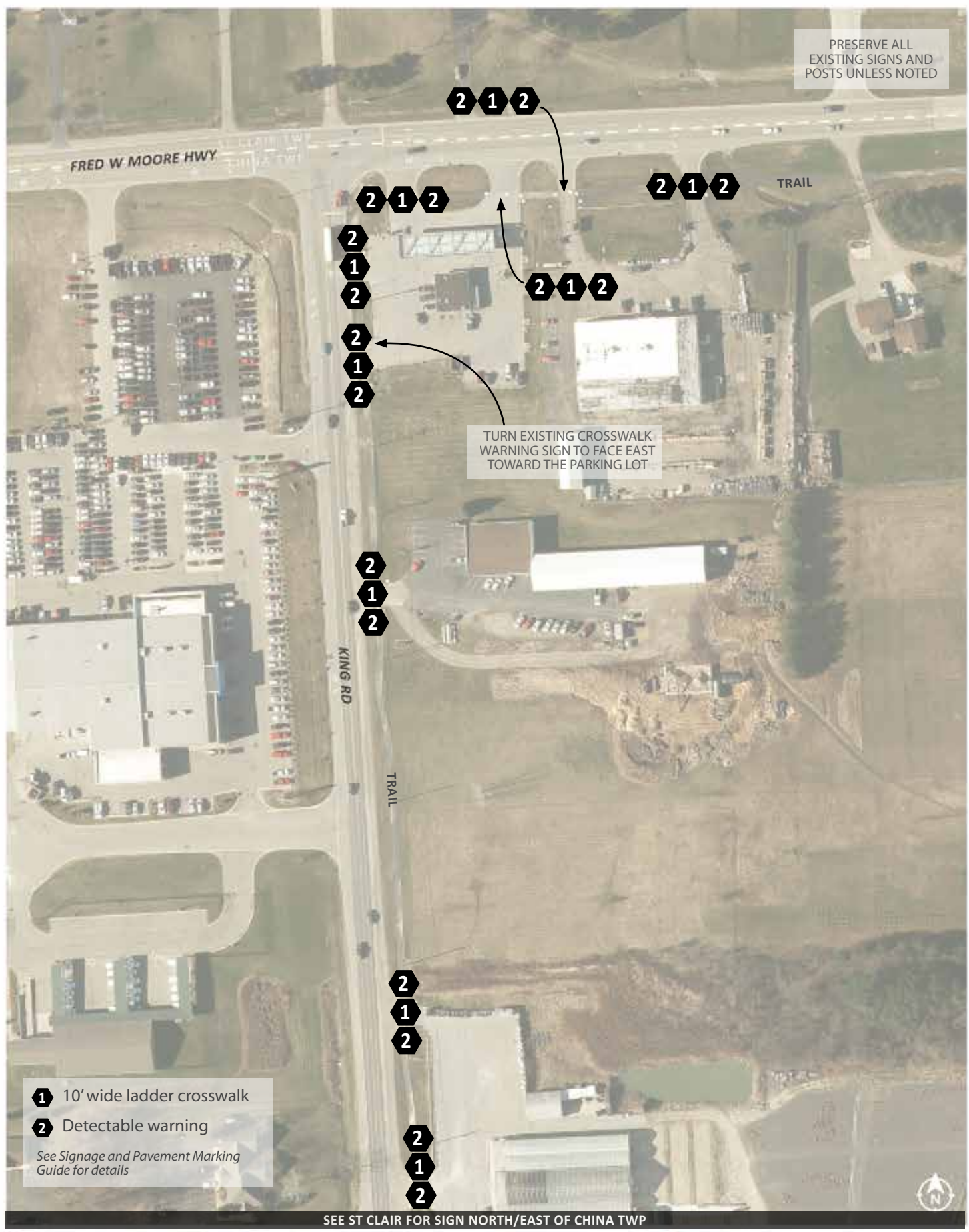
○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



- 1 10' wide ladder crosswalk
 - 2 Detectable warning
- See Signage and Pavement Marking Guide for details

SEE ST CLAIR FOR SIGN NORTH/EAST OF CHINA TWP

 BREAKAWAY METAL POST

 COMPOSITE LUMBER POST (4"X4")

Clay Twp

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

Action Items for Near Term Routes

- 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
- Explore options for providing local bike route on Harsens Island
- Coordinate with new county park in Clay Twp to provide amenities for bicycles, such as a bicycle repair station and drinking fountains
- Where the paved shoulder is designated as a bike route, modify the edge line markings at intersections to be consistent with typical bike lane markings. Specifically, remove radius markings and eliminate paved shoulders to the right of designated right turn lanes.

Kiosk Locations and Trail Parking

- Pearl Beach Pier - Secondary Kiosk
- Clay Township Park - Secondary Kiosk and Trail Parking
- New County Park in Clay Twp - Principal Kiosk (Future)
- Brown's Field (Harsens Island) - Principal Kiosk
- Algonac State Park - Principal Kiosk

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 to be included.
- Numerous vegetation encroachments noted during fieldwork. See the Analysis Document for details.

Responsible Agency:

City of Algonac and Clay Twp

City of Algonac and Clay Twp

Clay Twp

Clay Twp and St Clair County

MDOT

Responsible Agency:

Clay Twp

Clay Twp

St Clair County Parks

Clay Twp

MDNR

Clay Twp Sign Schedule

The following pages layout recommendations for signs along the Bridge to Bay Trail in Clay Twp. 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, this plan notes all 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 Clay Twp section include:

3

PRINCIPAL
KIOSKS

2

SECONDARY
KIOSKS

1

DESTINATION
SIGNS

2

SERVICE
SIGNS

10

ROUTE
SIGNS

10

REGULATORY/
SAFETY SIGNS



Secondary Kiosk at Pearl Beach Pier

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail map facing North
- Back of sign: Option to add local information
- Viewing Surface: Place along edge of path or provide 5' x 5' concrete pad in front of sign. If sign is two-sided a 10' x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.





Secondary Kiosk at Clay Township Park

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail map facing East
- Back of sign: Option to add local information
- Viewing Surface: Place along edge of path or provide a 5' x 5' concrete pad in front of sign. If sign is two-sided a 10' x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.





Principal Kiosk Brown's Field on Harsen's Island

- Large Roofed Sign
- 36" Tall x 48" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Terrabilt 2-Post Classic Kiosk
- Front of sign: Bridge to Bay Trail map with local trail information facing South
- 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.





Principal Kiosk in future County Park

- Large Roofed Sign
- 36" Tall x 48" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Terrabilt 2-Post Classic Kiosk
- Front of sign: Bridge to Bay Trail map with local trail information
- 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.

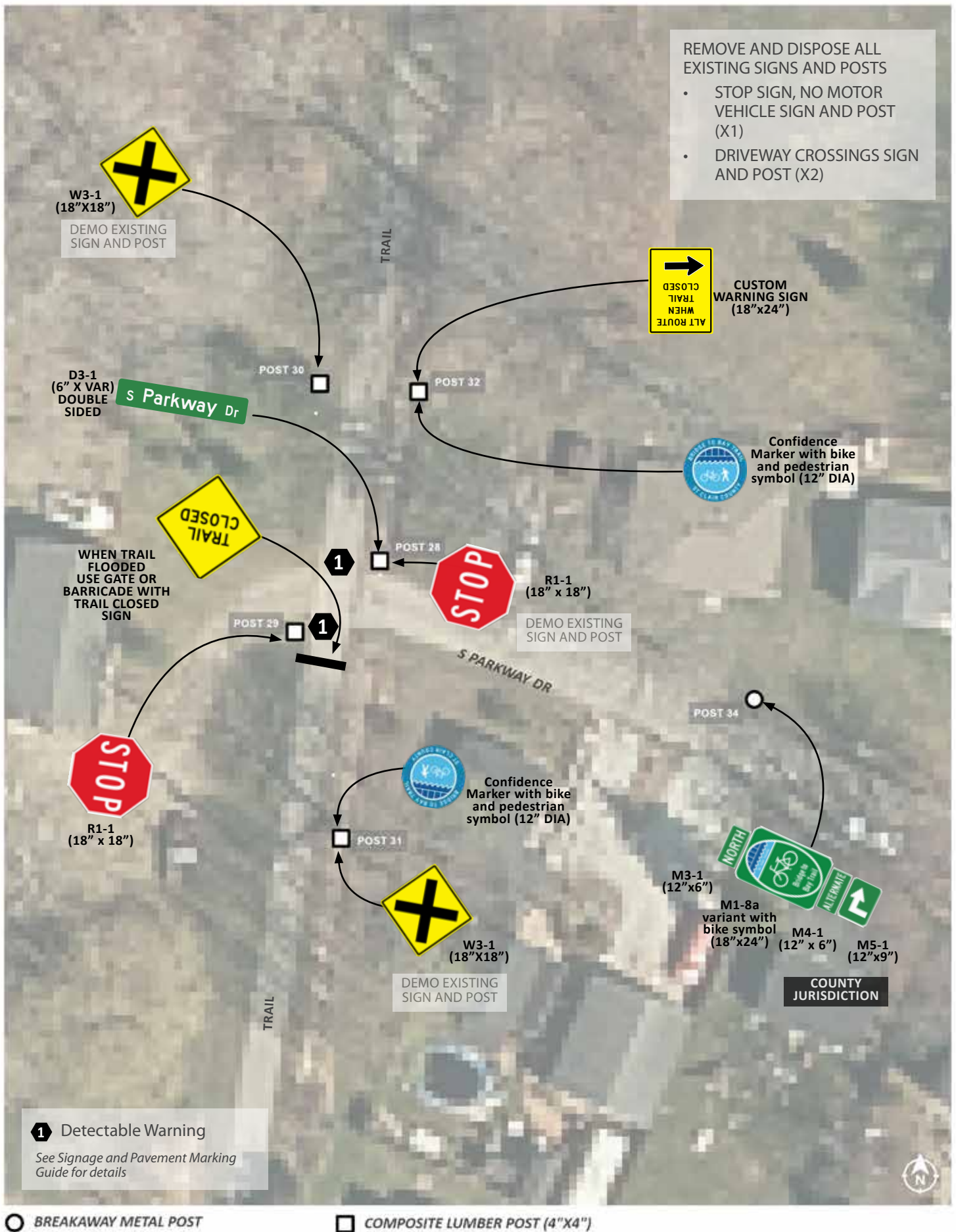


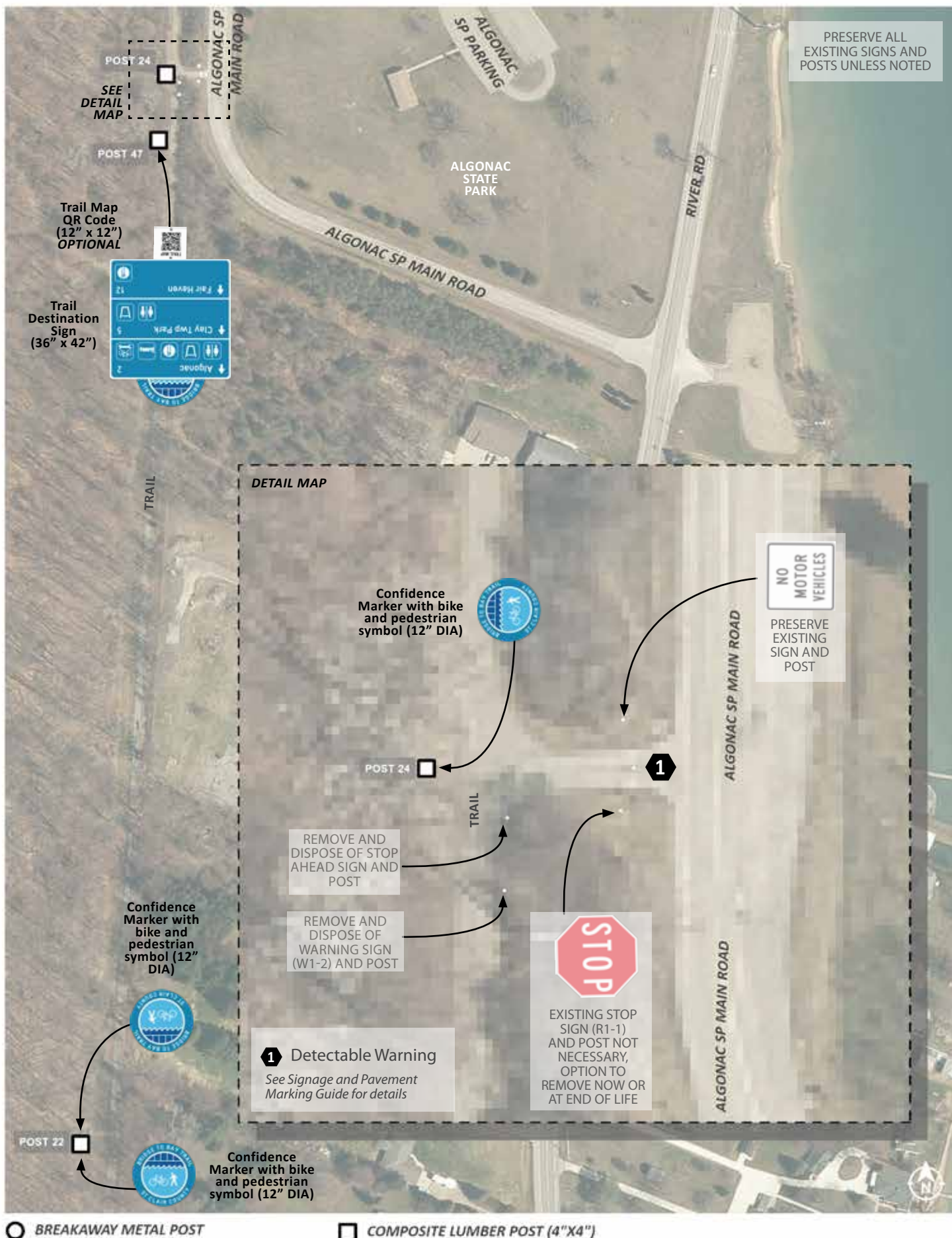
Location to be determined based on future park design



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"x4")







Principal Kiosk in Algonac State Park

- Large Roofed Sign
- 36" Tall x 48" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Terrabilt 2-Post Classic Kiosk
- Front of sign: Bridge to Bay Trail map with local trail information facing East
- 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.



- 1 10' wide ladder crosswalk
- 2 Detectable warning
- 3 Stop bar
- 4 Yellow centerline

See Signage and Pavement Marking Guide for details

PRESERVE
EXISTING
SIGN AND
POST



PRESERVE ALL
EXISTING SIGNS AND
POST UNLESS NOTED

W11-15
(30" x 30")



W16-7P
(24" x 12")



Trail Blade
Sign
(36" x 6")
ADD TO TOP
OF EXISTING
POST



4

TRAIL

3

2

NO
MOTOR
VEHICLES

PRESERVE
EXISTING
SIGN AND
POST

POST 38

POST 42



W16-9P
(24" x 12")



W11-15
(30" x 30")

POST 43

POST 39

ALGONAC
STATE
PARK

PRESERVE
EXISTING
SIGN AND
POST

NO
MOTOR
VEHICLES

2

3

POST 44

4

TRAIL

W11-15
(30" x 30")



W16-7P
(24" x 12")

ALGONAC SP MAIN ROAD

POST 41



W11-15
(30" x 30")



W16-9P
(24" x 12")



PRESERVE
EXISTING
SIGNS AND
POST

TRIM VEGETATION TO
IMPROVE VISIBILITY OF
CROSSWALK

SEE COTTRELLVILLE FOR SIGNS NORTH OF CLAY TWP

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

Cottrellville Twp

No meetings have taken place with Cottrellville Township. Recommendations have been verified with Township.

Action Items for Near Term Routes

- Where the paved shoulder is designated as a bike route, modify the edge line markings at intersections to be consistent with typical bike lane markings. Specifically, remove radius markings and eliminate paved shoulders to the right of designated right turn lanes.

Kiosk Locations and Trail Parking

- None

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 to be included.
- Numerous vegetation encroachments noted during fieldwork. See the Analysis Document for details.

Responsible Agency:

MDOT

Cottrellville Twp Sign Schedule

The following pages layout recommendations for signs along the Bridge to Bay Trail in CottrellvilleTwp. 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, this plan notes all pavement markings, whether they are currently existing or not.



Recommendations for the Cottrellville Twp section include:

1

DESTINATION
SIGNS

12

ROUTE
SIGNS

- 1 Detectable warning
- 2 Stop bar
- 3 Yellow centerline

See Signage and Pavement Marking Guide for details

PRESERVE ALL EXISTING SIGNS AND POST UNLESS NOTED

COUNTY JURISDICTION

PRESERVE EXISTING SIGNS AND POST

AT END OF LIFE THE NO MOTOR VEHICLE SIGN SHOULD BE REPLACED WITH MMUTCD STANDARD SIGN R5-3



COUNTY JURISDICTION

Double sided Trail Blade Sign (36" x 6")
ADD TO TOP OF EXISTING POST



COUNTY JURISDICTION

M1-8a variant with bike symbol (18"x24")



M3-1 (12"x6")

M1-8a variant with bike symbol (18"x24")

M5-1 (12"x9")



CONLEY DR

TRAIL



Trail Destination Sign (36" x 42")

Trail Map QR Code (12" x 12") OPTIONAL



M5-1 (12"x9")

M1-8a variant with bike symbol (18"x24")

M3-1 (12"x6")

COUNTY JURISDICTION

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"x4")

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



M1-8a
variant with
bike symbol
(18"x24")

M3-3
(12"x6")

MDOT
JURISDICTION



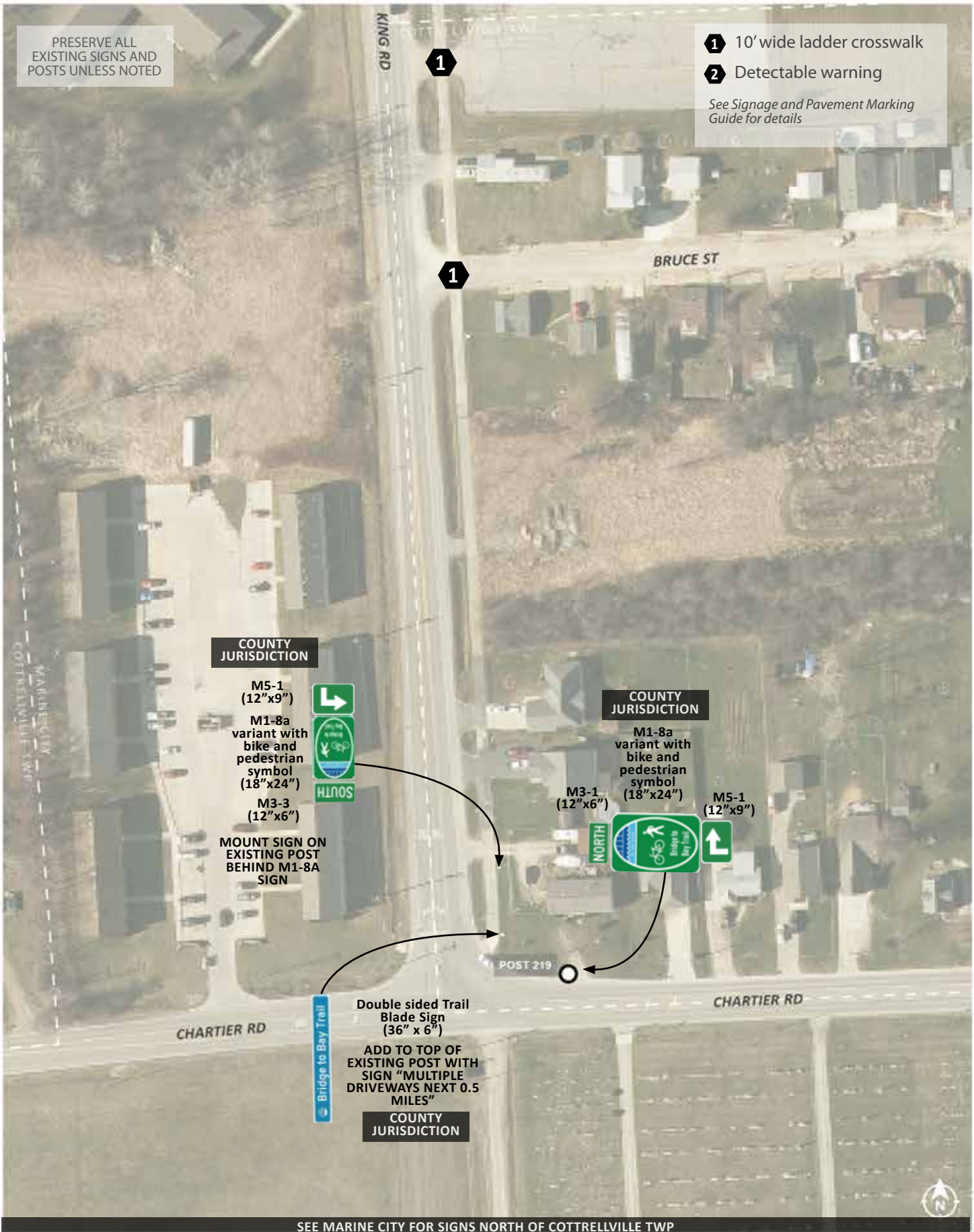
M3-1
(12"x6")

M1-8a
variant with
bike symbol
(18"x24")

MDOT
JURISDICTION

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"x4")



PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

- 1 10' wide ladder crosswalk
 - 2 Detectable warning
- See Signage and Pavement Marking Guide for details

COUNTY JURISDICTION

M5-1 (12"x9")
M1-8a variant with bike and pedestrian symbol (18"x24")
M3-3 (12"x6")
MOUNT SIGN ON EXISTING POST BEHIND M1-8A SIGN

COUNTY JURISDICTION

M1-8a variant with bike and pedestrian symbol (18"x24")
M3-1 (12"x6")
M5-1 (12"x9")

Double sided Trail Blade Sign (36" x 6")
ADD TO TOP OF EXISTING POST WITH SIGN "MULTIPLE DRIVEWAYS NEXT 0.5 MILES"
COUNTY JURISDICTION

SEE MARINE CITY FOR SIGNS NORTH OF COTTRELLVILLE TWP

- BREAKAWAY METAL POST
- COMPOSITE LUMBER POST (4"x4")

East China Twp

No meetings have taken place with East China Township. Recommendations have been verified with Township.

Action Items for Near Term Routes

- Repair topcoat seem on M-29 shoulder south of St Clair
- Work with St Clair to Explore options for providing local bike route on S Riverside Ave north of Bree Road as an alternative bike route to M-29 paved shoulders

Kiosk Locations and Trail Parking

- East China Twp Park - Principal Kiosk and Trail Parking

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 to be included.

Responsible Agency:

MDOT

East China Twp and St Clair

Responsible Agency:

East China Twp

East China Twp Sign Schedule

The following pages layout recommendations for signs along the Bridge to Bay Trail in East China Twp. 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, this plan notes all pavement markings, whether they are currently existing or not.



Recommendations for the East China Twp section include:

1

PRINCIPAL
KIOSKS

4

DESTINATION
SIGNS

3

TRAIL PARKING
SIGNS

12

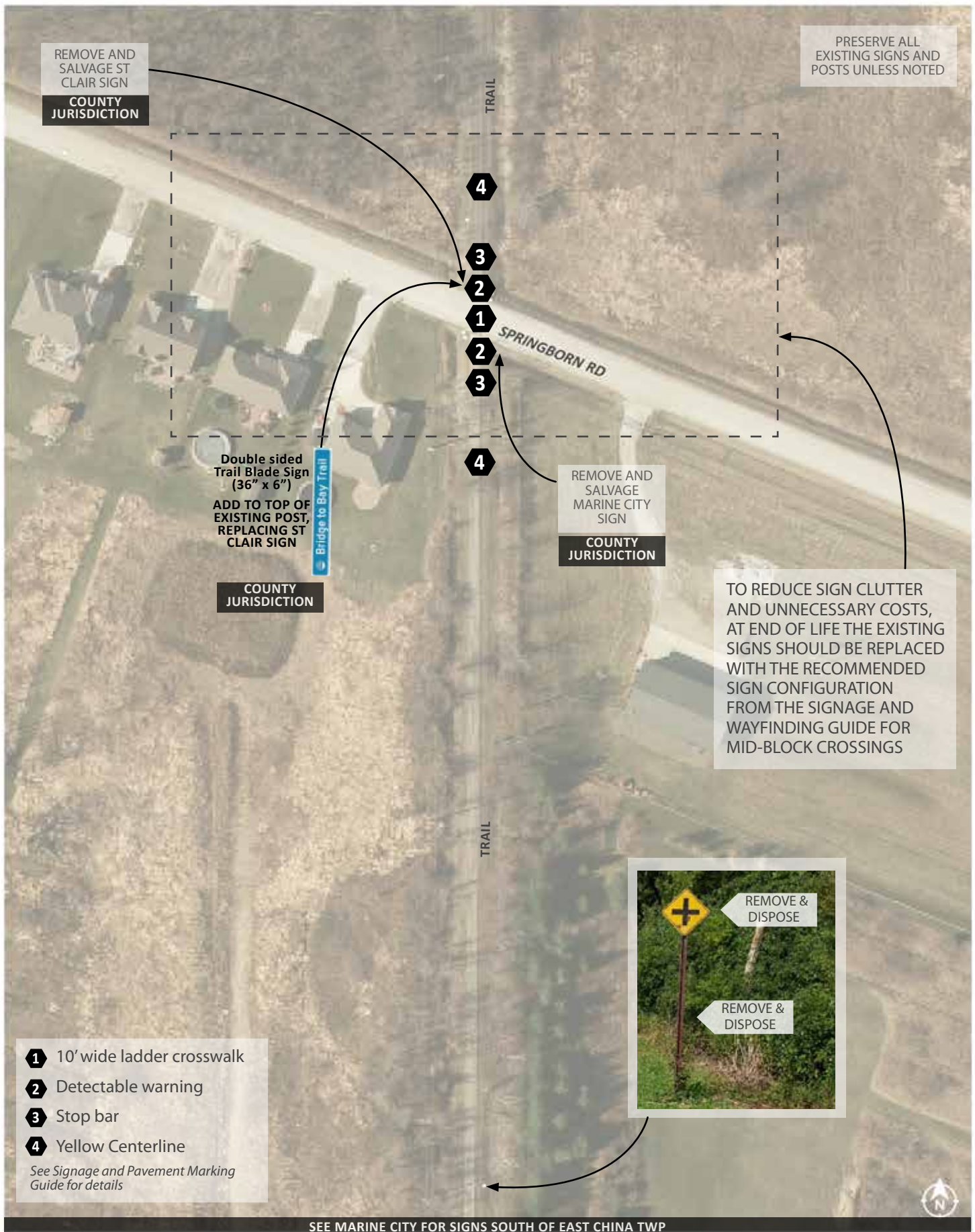
ROUTE
SIGNS

8

REGULATORY/
SAFETY SIGNS

6

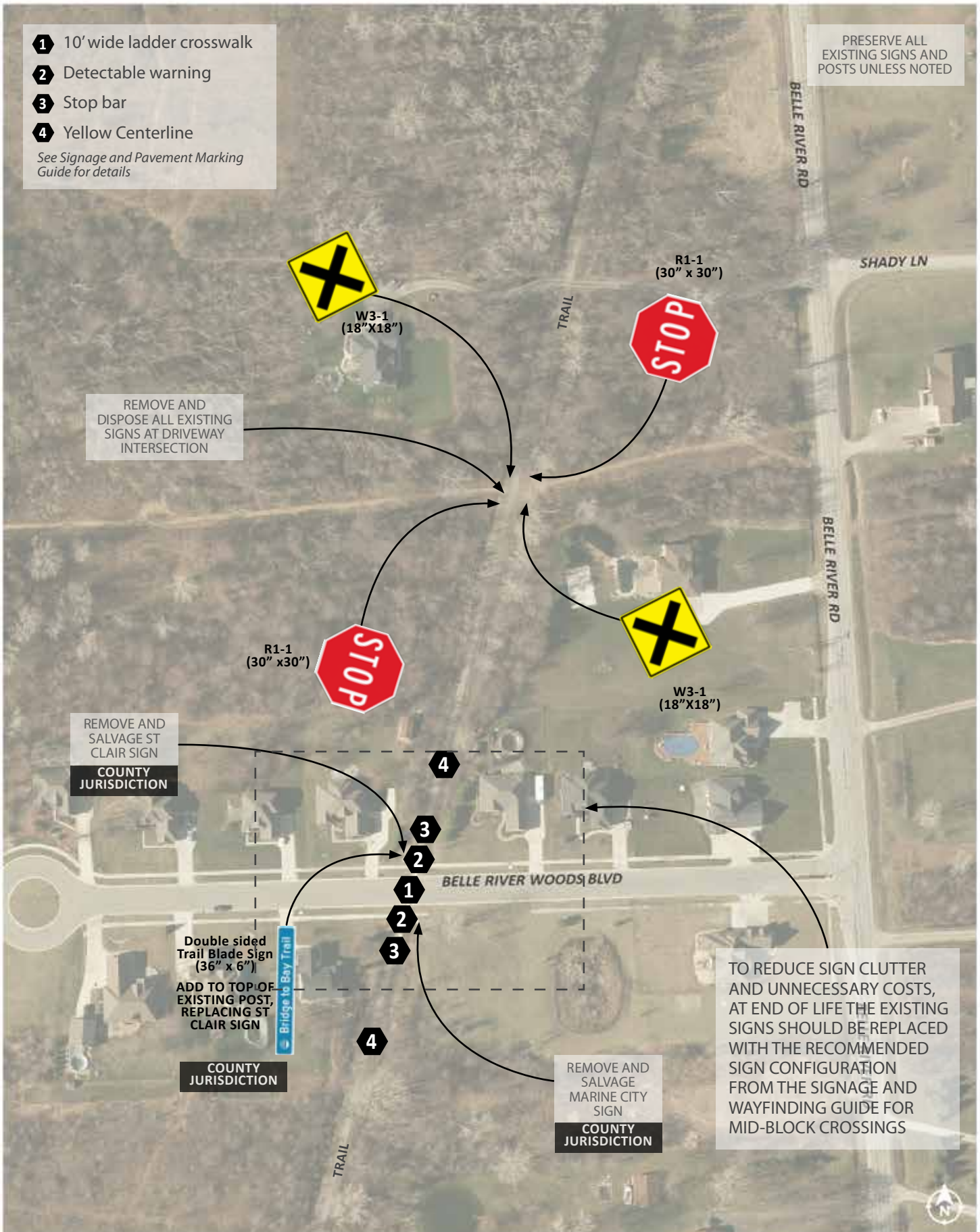
STENCILS/
STICKERS

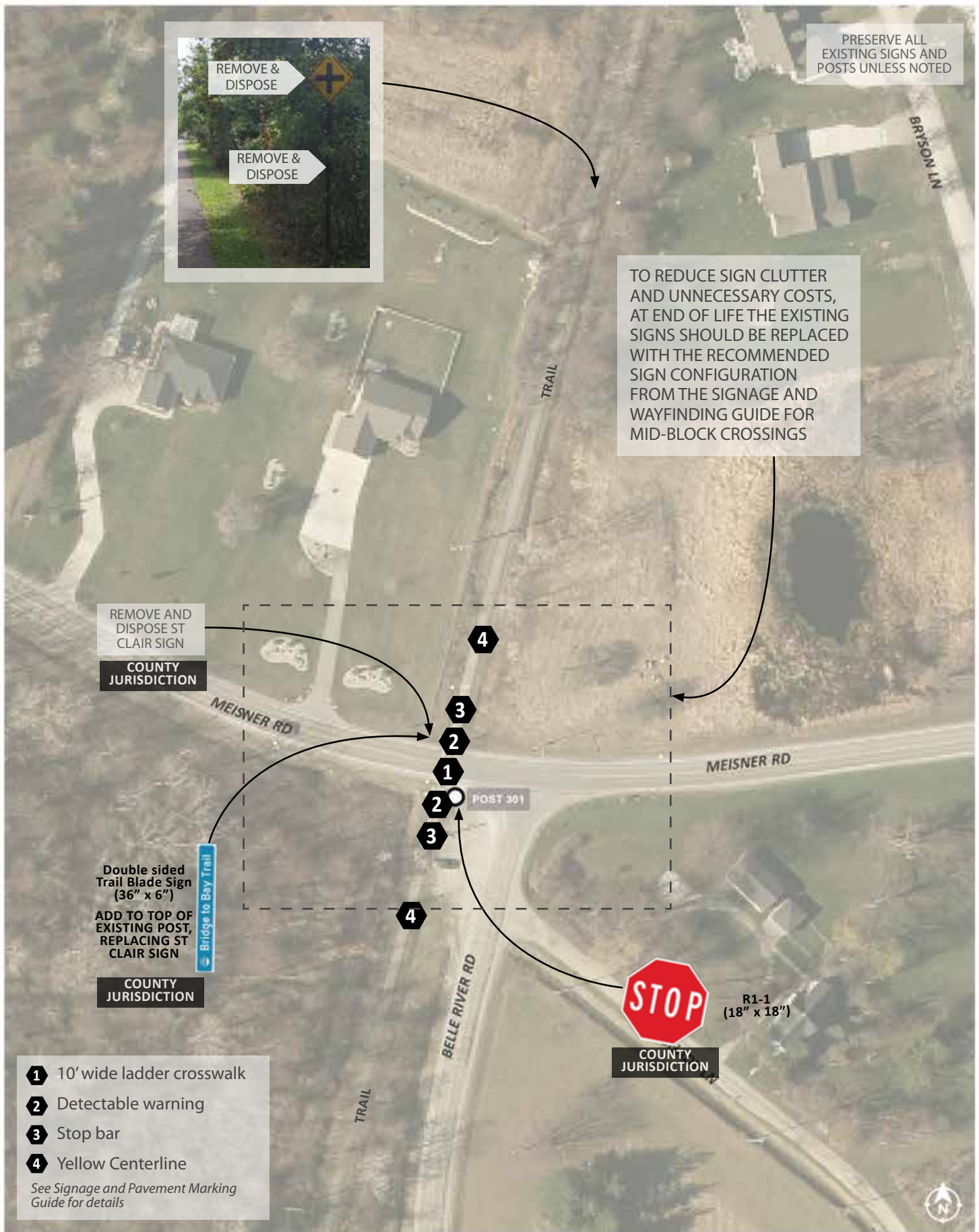


- 1 10' wide ladder crosswalk
- 2 Detectable warning
- 3 Stop bar
- 4 Yellow Centerline

See Signage and Pavement Marking Guide for details

PRESERVE ALL EXISTING SIGNS AND POSTS UNLESS NOTED





○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



TO REDUCE SIGN CLUTTER
AND UNNECESSARY COSTS,
AT END OF LIFE THE EXISTING
SIGNS SHOULD BE REPLACED
WITH THE RECOMMENDED
SIGN CONFIGURATION
FROM THE SIGNAGE AND
WAYFINDING GUIDE FOR
SIDEPATHS TRAIL CROSSINGS
AT DRIVEWAYS AND PRIVATE
ROADS

REMOVE AND
SALVAGE ST
CLAIR SIGN

Double sided
Trail Blade Sign
(36" x 6")
ADD TO TOP OF
EXISTING POST,
REPLACING ST
CLAIR SIGN



REMOVE AND
SALVAGE
MARINE CITY
SIGN

1 Detectable warning
See Signage and Pavement Marking
Guide for details

BREAKAWAY METAL POST

COMPOSITE LUMBER POST (4"X4")



PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



COUNTY JURISDICTION



Trail
Destination
Sign
(36" x 42")

Trail Map
QR Code
(12" x 12")
OPTIONAL

PLACE
SIGN ON
EXISTING
POST



Trail
Destination
Sign
(36" x 42")

PLACE
SIGN ON
EXISTING
POST

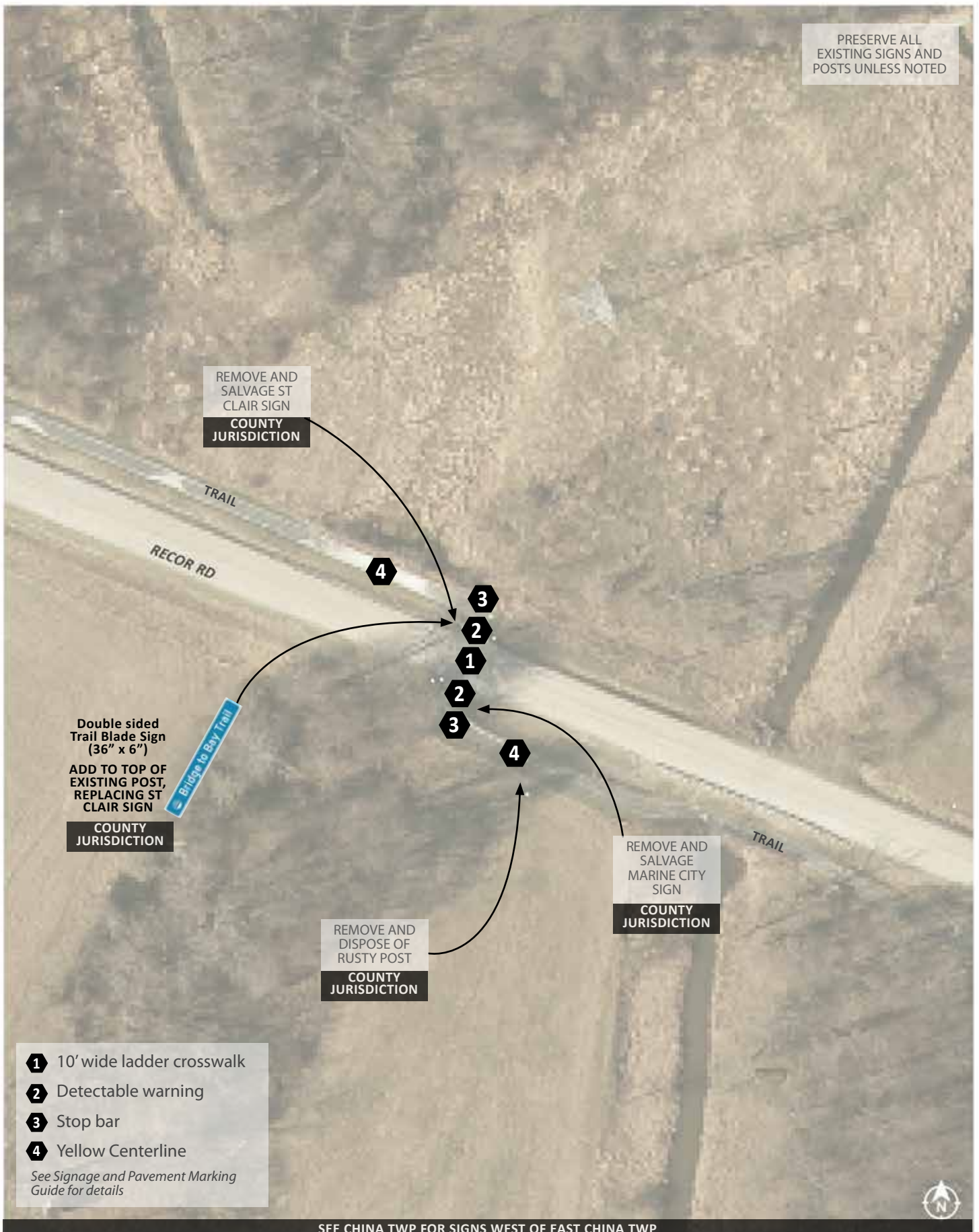
EAST
CHINA
TWP PARK



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

**Trailhead
Parking
(42"x30")**

**COUNTY
JURISDICTION**

COUNTY JURISDICTION

**Confidence
Marker stencil
or sticker with
arrow***

**PLACE ON MAIN
PATHWAY**

TRAIL

POST 346

**Confidence
Marker stencil
or sticker with
arrow***

**PLACE ON MAIN
PATHWAY**

REC'D RD

EAST
CHINA
TWP PARK

**Confidence
Marker stencil
or sticker with
arrow***

PLACE ON MAIN

**PRINCIPAL
KIOSK
SEE NEXT PAGE**

**Confidence
Marker with bike
and pedestrian
symbol (12" DIA)**

**Confidence
Marker with bike
and pedestrian
symbol (12" DIA)**

**Confidence
Marker stencil
or sticker with
arrow***

**PLACE ON MAIN
PATHWAY**

○ BREAKAWAY METAL POST

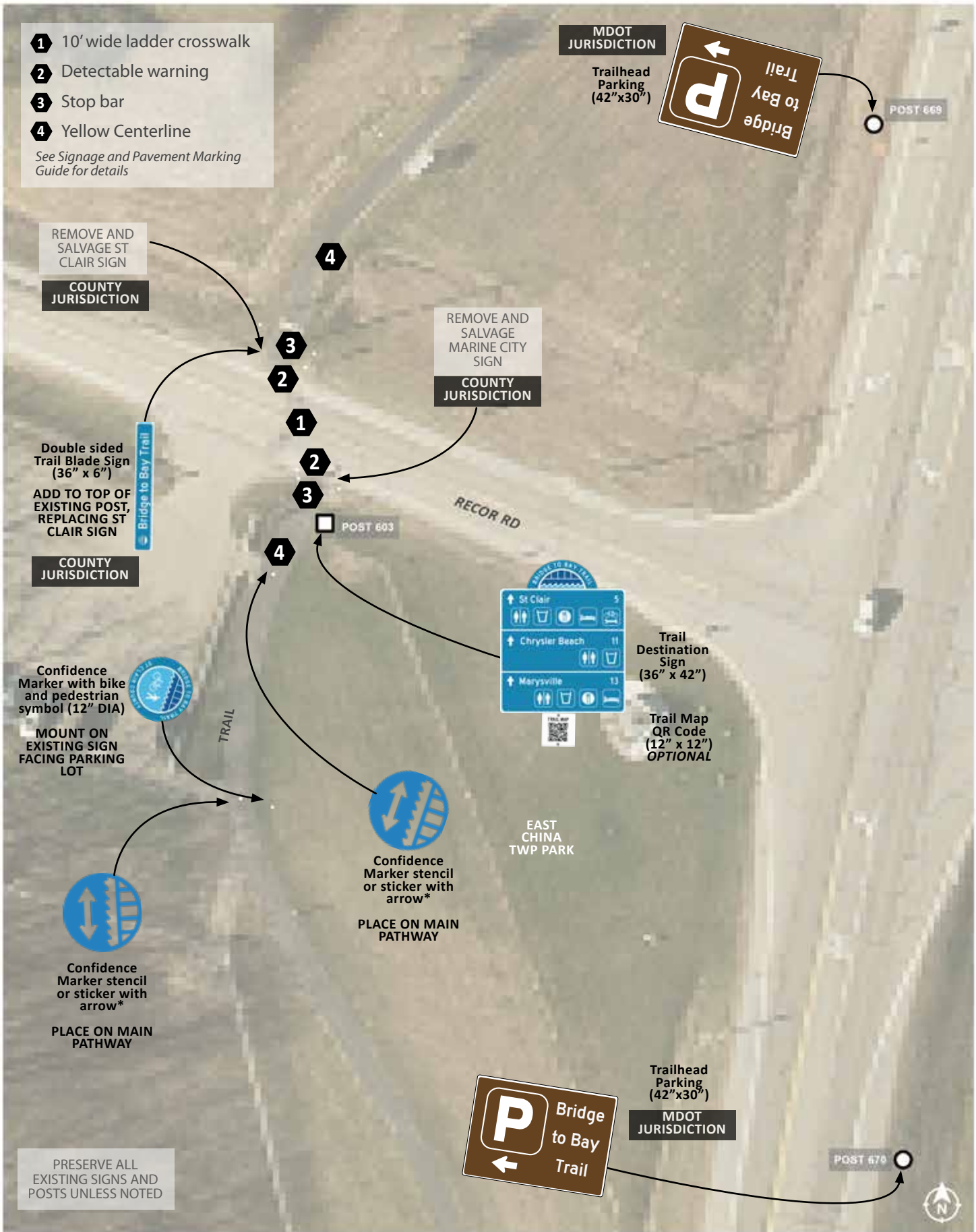
☐ COMPOSITE LUMBER POST (4"X4")

***Option to use 24" stencils or 12" stickers**

Principal Kiosk in East China Twp Park

- Large Roofed Sign
- 36" Tall x 48" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Terrabilt 2-Post Classic Kiosk
- Front of sign: Bridge to Bay Trail map with local trail information facing South
- 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.





○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

W3-1
(18"X18")
MDOT
JURISDICTION



TRAIL

POST 370

REMOVE AND
DISPOSE OF
ALL EXISTING
TRAIL SIGNS
AND POSTS

MDOT
JURISDICTION

RIVER RD

EDISON PLANT DR

POST 372

W16-7P
(24" x 12")

MDOT
JURISDICTION

W11-15
(30" x 30")



W3-1
(18"X18")
MDOT
JURISDICTION

POST 371

1 Detectable warning

See Signage and Pavement Marking
Guide for details

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

TO REDUCE SIGN CLUTTER
AND UNNECESSARY
COSTS, AT END OF LIFE THE
EXISTING SIGNS SHOULD
BE REPLACED WITH THE
RECOMMENDED SIGN
CONFIGURATION FROM THE
SIGNAGE AND WAYFINDING
GUIDE FOR SIDEPATH TRAIL
CROSSINGS AT SIGNALIZED
INTERSECTIONS

REMOVE AND
SALVAGE STOP
SIGN (R1-1)

Bridge to Bay Trail

Trail Blade
Sign
(36" x 6")
ADD TO TOP
OF EXISTING
POST
MDOT
JURISDICTION

RIVER RD

REMER RD

- 1 10' wide ladder crosswalk
- 2 Detectable warning
- 3 Yellow Centerline

See Signage and Pavement Marking
Guide for details

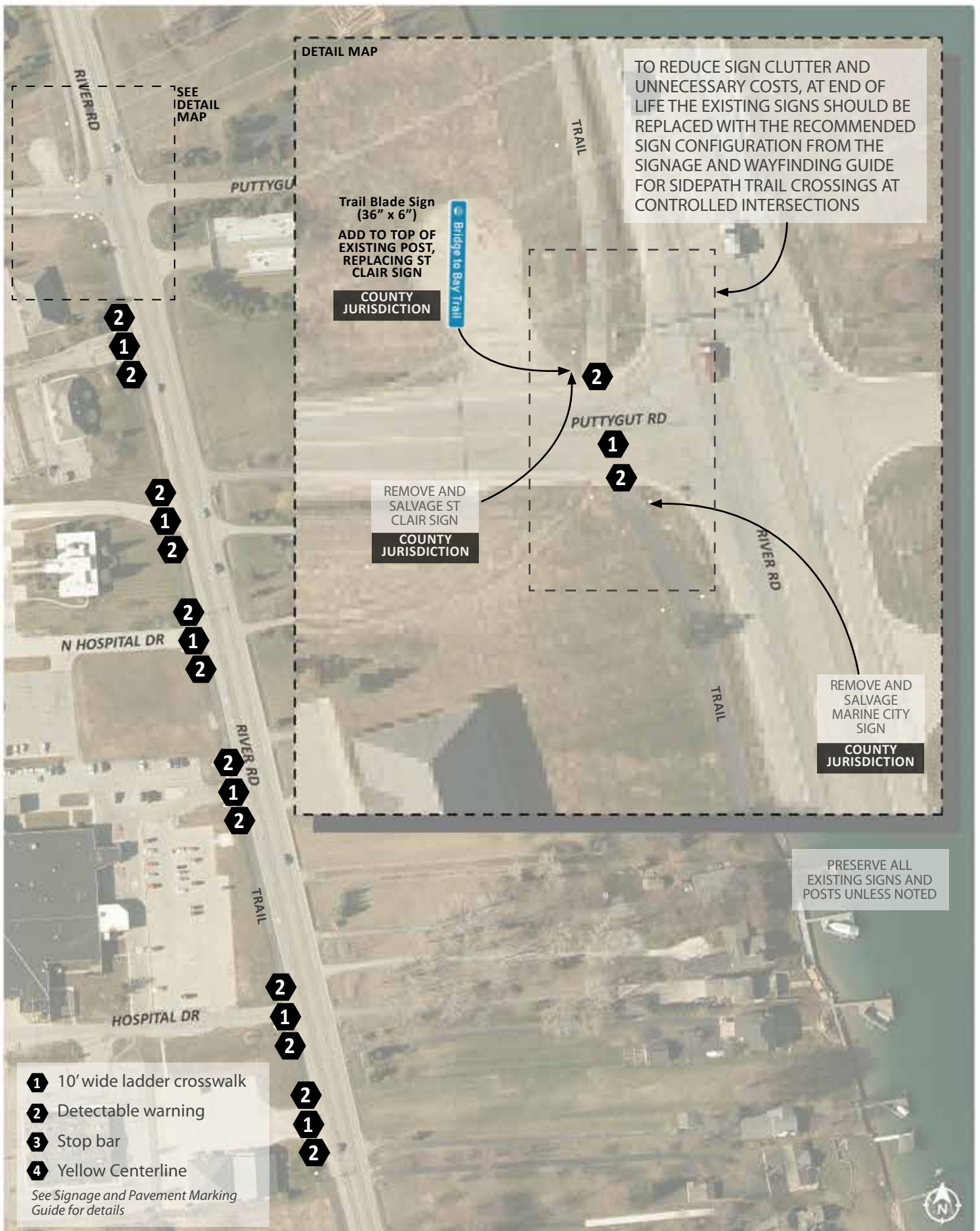
REMOVE AND
SALVAGE STOP
SIGN (R1-1)

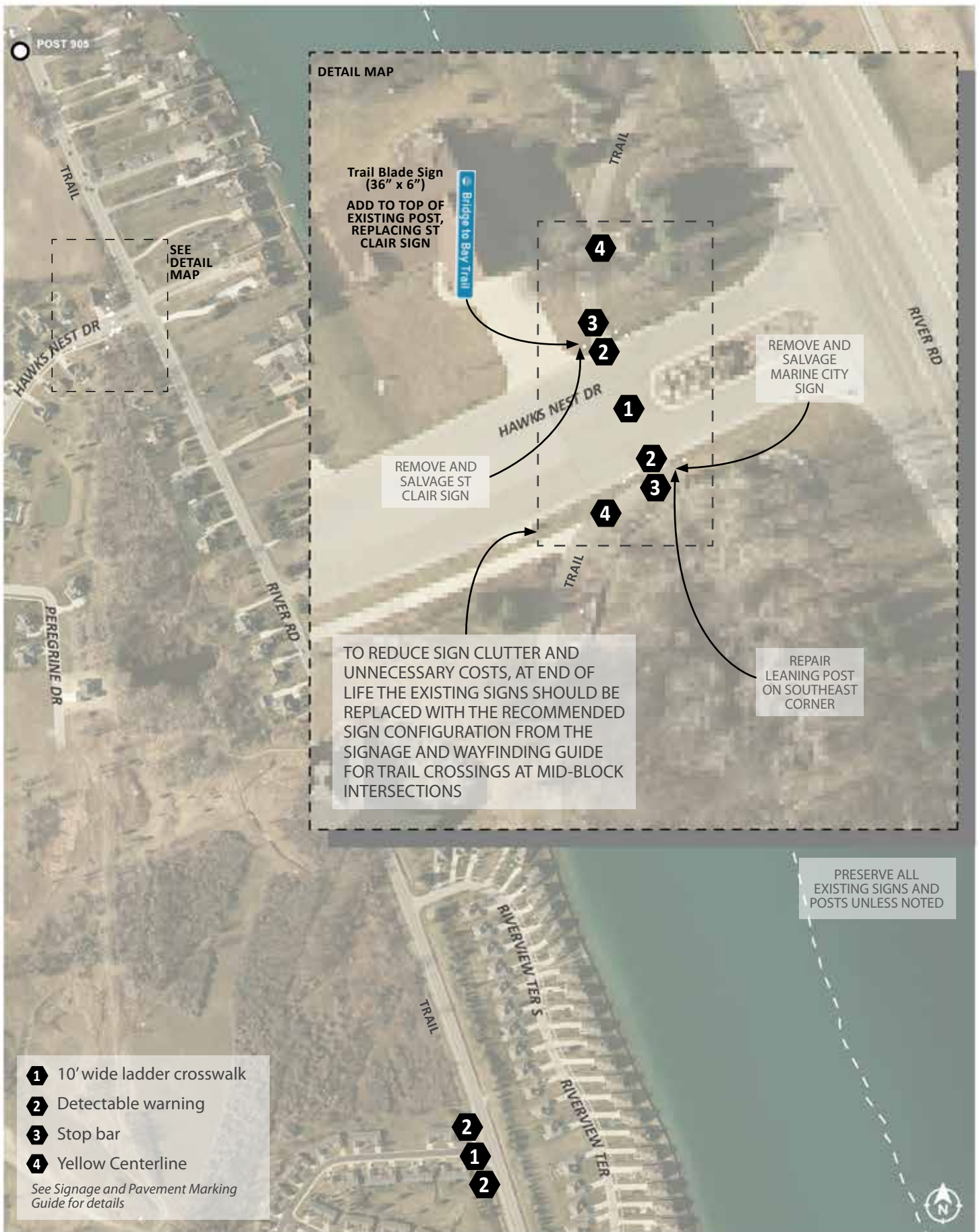
TRAIL



 BREAKAWAY METAL POST

 COMPOSITE LUMBER POST (4"X4")





○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

SAINT
SHORES BLVD

SAINT CLAIR PL

MAIN ST

BREE RD

BREE RD

SAINT CLAIR SHORES BLVD

RIVER RD

TRAIL

Trail
Destination
Sign
(36" x 42")



MDOT
JURISDICTION

POST 905

- 1 10' wide ladder crosswalk
- 2 Detectable warning
- 3 Stop bar
- 4 Yellow Centerline

See Signage and Pavement Marking
Guide for details

SEE ST CLAIR FOR SIGNS NORTH OF EAST CHINA TWP

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")



Fort Gratiot Twp

No meetings have taken place with Fort Gratiot Township. Recommendations have been verified with Township.

Action Items for Near Term Routes

- Continue seeking funding for pathway connections along Black River Run and Kraft Road
- Provide wayfinding signs between Fort Gratiot Trails and Bridge to Bay Trail once pathway connection complete
- Continue to pursue an off-road trail connection to connect existing trails south of Cardigan Road to existing trails north of Metcalf Road (this will become the main Bridge to Bay Trail Route when complete)
- Reconfigure lane markings to provide paved shoulder on M-25 from intersection of Lakeshore Rd and 24th Ave 850 feet north to existing paved shoulder on M-25.

Kiosk Locations and Trail Parking

- Fort Gratiot County Park - Principal Kiosk

Fort Gratiot Sign Schedule

The following pages layout recommendations for Kiosk in Fort Gratiot Twp. These kiosk location have also been inventoried in a GIS database. Contact Sheri Faust for access to the data.

Recommendations for the Fort Gratiot Twp section include:

1

PRINCIPAL
KIOSKS

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.

Responsible Agency:

Fort Gratiot Twp

Fort Gratiot Twp

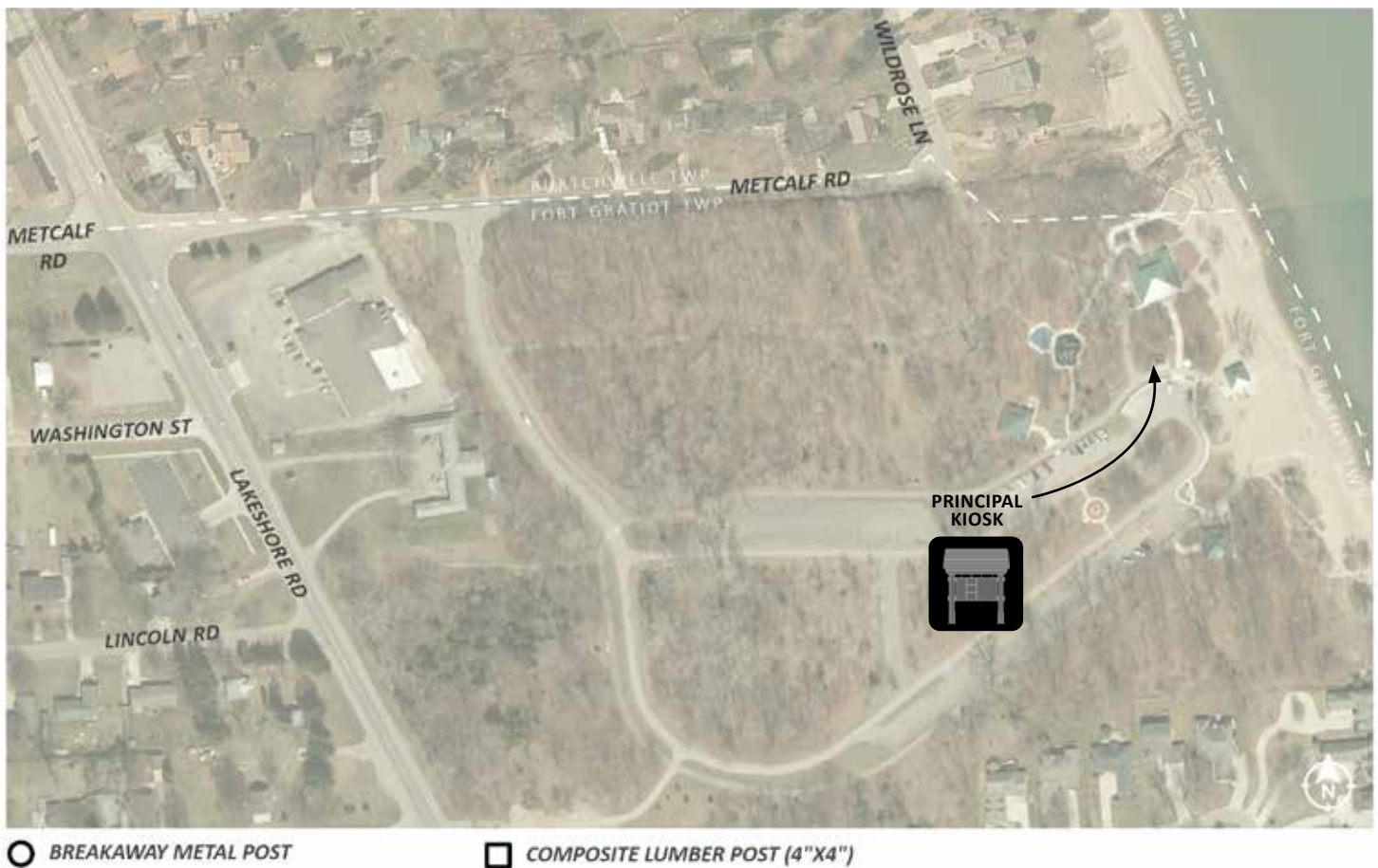
Fort Gratiot Twp

MDOT

Responsible Agency:

St Clair County Parks





Principal Kiosk at Fort Gratiot County Park

- Large Roofed Sign
- 36" Tall x 48" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Terrabilt 2-Post Classic Kiosk
- Front of sign: Bridge to Bay Trail map with local trail information facing South
- 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.



Ira Twp

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

Action Items for Near Term Routes

- Where the paved shoulder is designated as a bike route, modify the edge line markings at intersections to be consistent with typical bike lane markings. Specifically, remove radius markings and eliminate paved shoulders to the right of designated right turn lanes.

Kiosk Locations and Trail Parking

- Ira Township Park - Principal Kiosk and Trail Parking
- Waterworks Park - Secondary Kiosk

Ira Twp Sign Schedule

The following pages layout recommendations for Kiosk in Ira Twp. These kiosk location have also been inventoried in a GIS database. Contact Sheri Faust for access to the data.

Recommendations for the Ira Twp section include:

1

PRINCIPAL
KIOSKS

1

SECONDARY
KIOSKS

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.

Responsible Agency:

MDOT

Responsible Agency:

Ira Twp

Ira Twp





Principal Kiosk at Ira Township Park

- Large Roofed Sign
- 36" Tall x 48" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Terrabilt 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 signs. If the sign is two-sided a 16' x 10' concrete pad should be installed so both sides of the sign are wheelchair accessible.





Secondary Kiosk at Clay Township Park

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail Map facing South
- Back of sign: Option to add local information
- Viewing Surface: Place along edge of path or provide a 5' x 5' concrete pad in front of sign. If sign is two-sided it should be turned so it is perpendicular to the pathway and a 10' x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.



Marine City

Met with community stakeholders to discuss city bike loop and trail wayfinding on September 18, 2020.

Action Items for Near Term Routes

- Sign local bike route to downtown
- Coordinate trail kiosk with new water trailhead at S Belle River Ave and the Belle River

Kiosk Locations and Trail Parking

- King Road Park - Secondary Kiosk
- Marine City Library - Principal Kiosk and Trail Parking
- Mariner Park - Secondary Kiosk
- Lighthouse Park - Secondary Kiosk
- Metropolis Street - Secondary Kiosk (may need to coordinate with St Clair County Road Commission to use property adjacent to the trail)

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 to be included.

Responsible Agency:

Marine City

Marine City

Responsible Agency:

Marine City

Marine City

Marine City

***Marine City and St Clair
County Road Commission***

Marine City Sign Schedule

The following pages layout recommendations for signs along the Bridge to Bay Trail in Marine City. 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, this plan notes all pavement markings, whether they are currently existing or not.



Recommendations for the Marine City section include:

1

PRINCIPAL
KIOSKS

5

SECONDARY
KIOSKS

2

DESTINATION
SIGNS

2

TRAIL PARKING
SIGNS

2

SERVICE
SIGNS

11

ROUTE
SIGNS

33

CONNECTING
ROUTE SIGNS

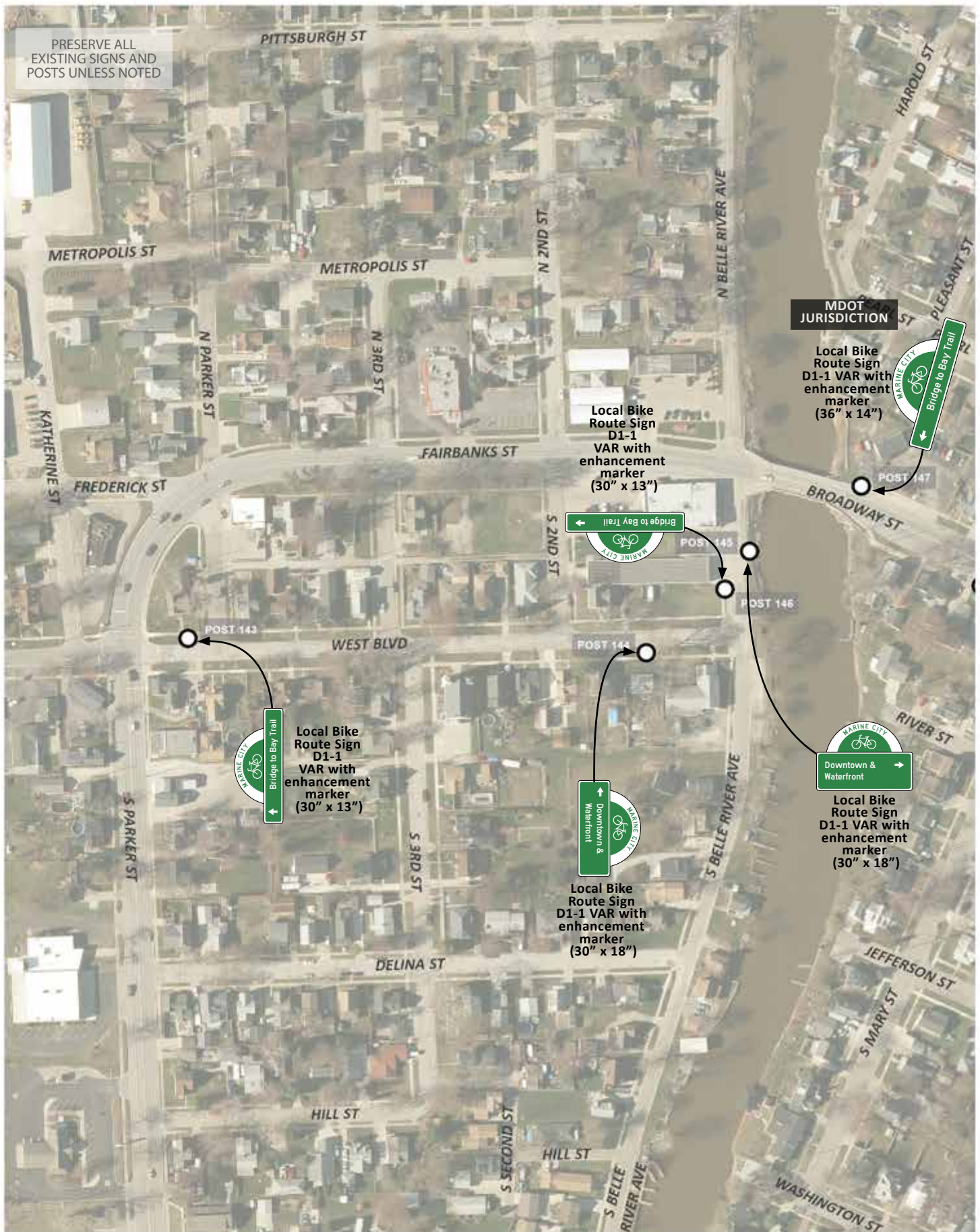
2

REGULATORY/
SAFETY SIGNS

4

STENCILS/
STICKERS

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

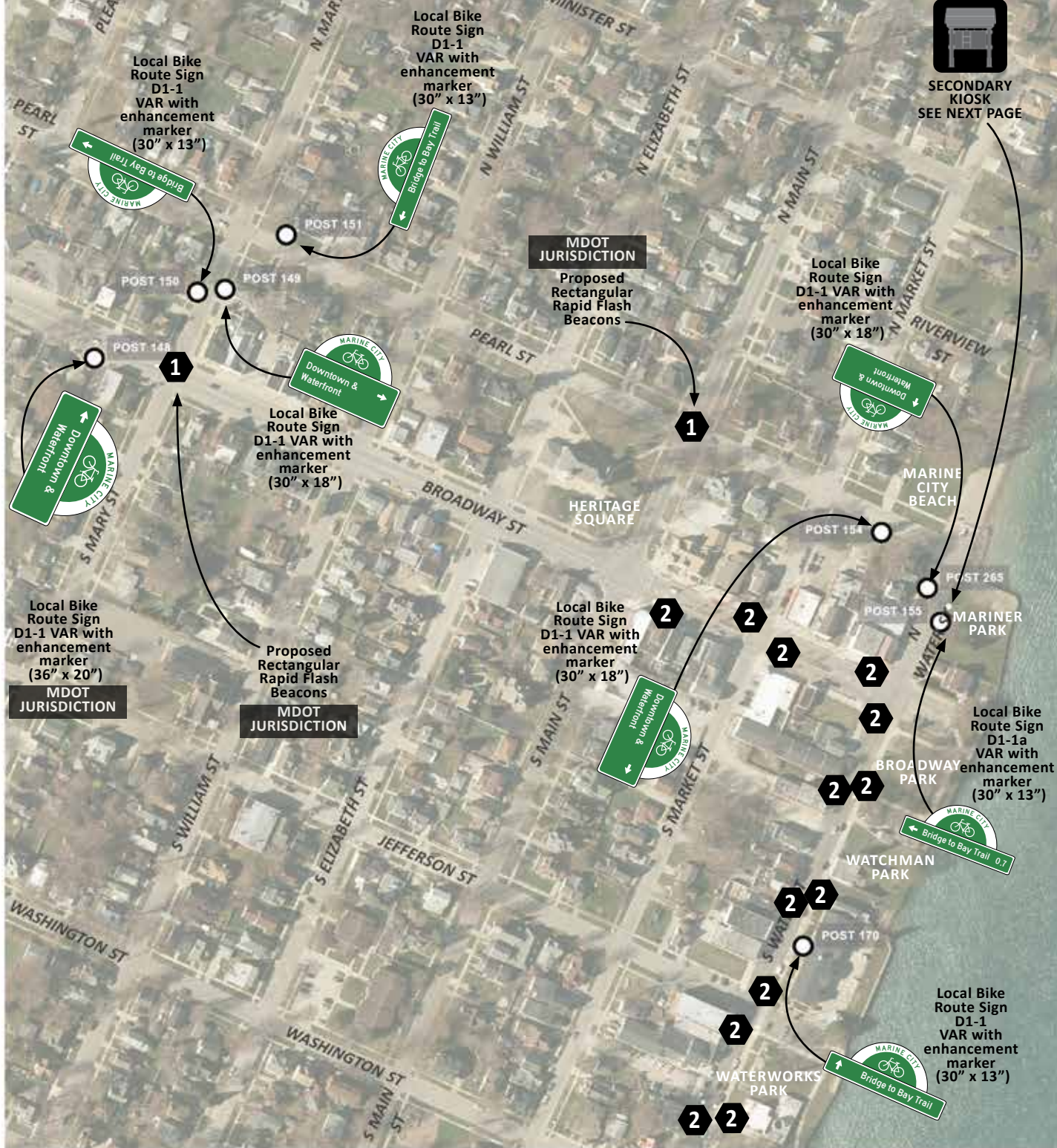
PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

- 1 10' wide ladder crosswalk
- 2 Shared lane marking

See Signage and Pavement Marking
Guide for details



SECONDARY
KIOSK
SEE NEXT PAGE



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

Secondary Kiosk at Mariner Park

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail Map facing South
- Back of sign: Option to add local information
- Viewing Surface: Place along edge of path or provide a 5' x 5' concrete pad in front of sign. If sign is two-sided, turn so it is perpendicular to path and a 10' x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.



Secondary Kiosk at Lighthouse Park

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail Map facing West
- Back of sign: Option to add local information
- Viewing Surface: Place along edge of path or provide a 5' x 5' concrete pad in front of sign. If sign is two-sided a 10' x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.

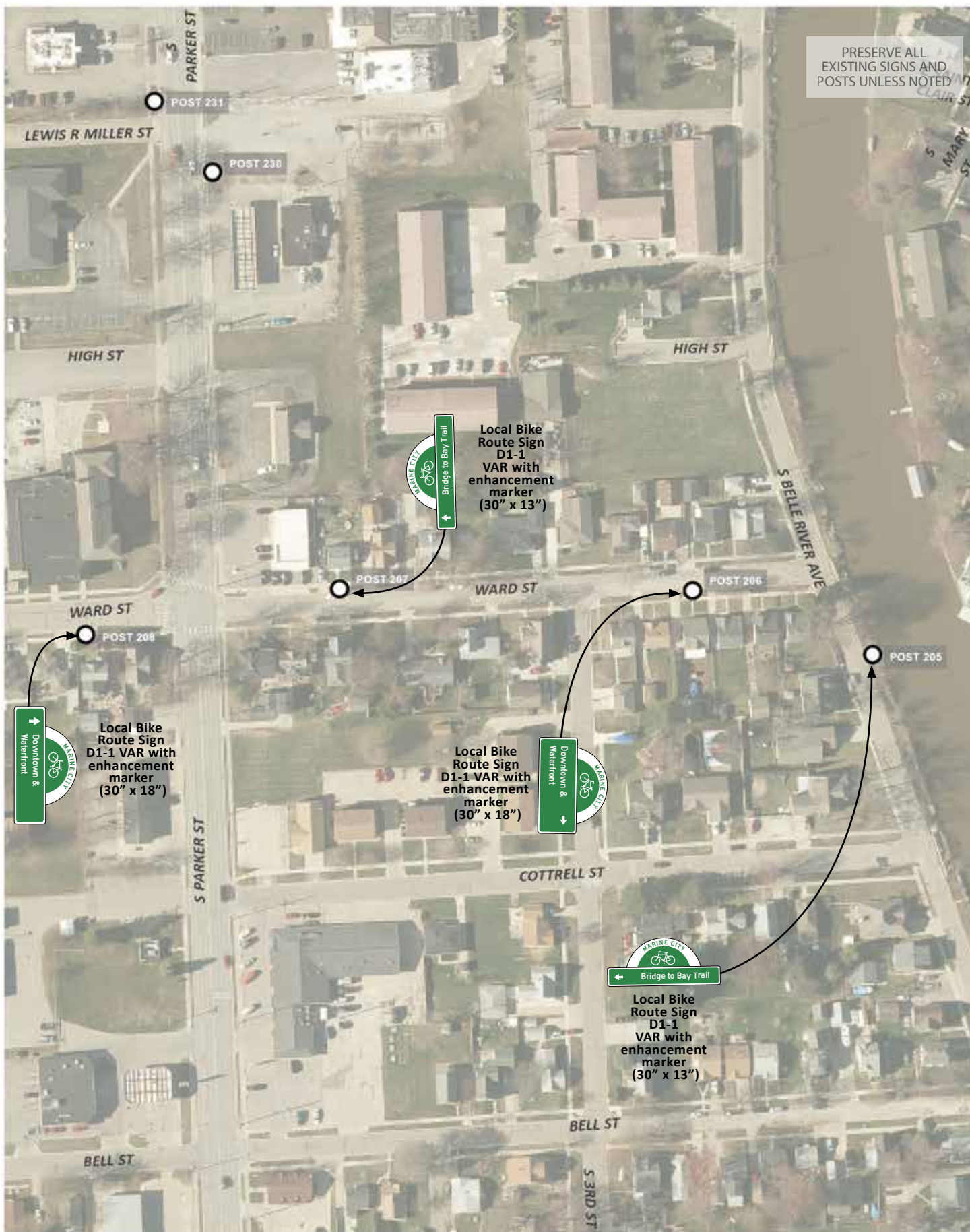


Secondary Kiosk at Future Kayak Launch Site off Belle River Ave north of bridge

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail Map facing West
- Back of sign: Option to add local information
- Viewing Surface: Place along edge of path or provide a 5' x 5' concrete pad in front of sign. If sign is two-sided a 10' x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.



Location to be determined, need to coordinate with future kayak launch site. Option to upgrade to Principal Kiosk if combining information with water trail.



PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



Local Bike
Route Sign
D1-1
VAR with
enhancement
marker
(30" x 13")



Local Bike
Route Sign
D1-1 VAR with
enhancement
marker
(30" x 18")

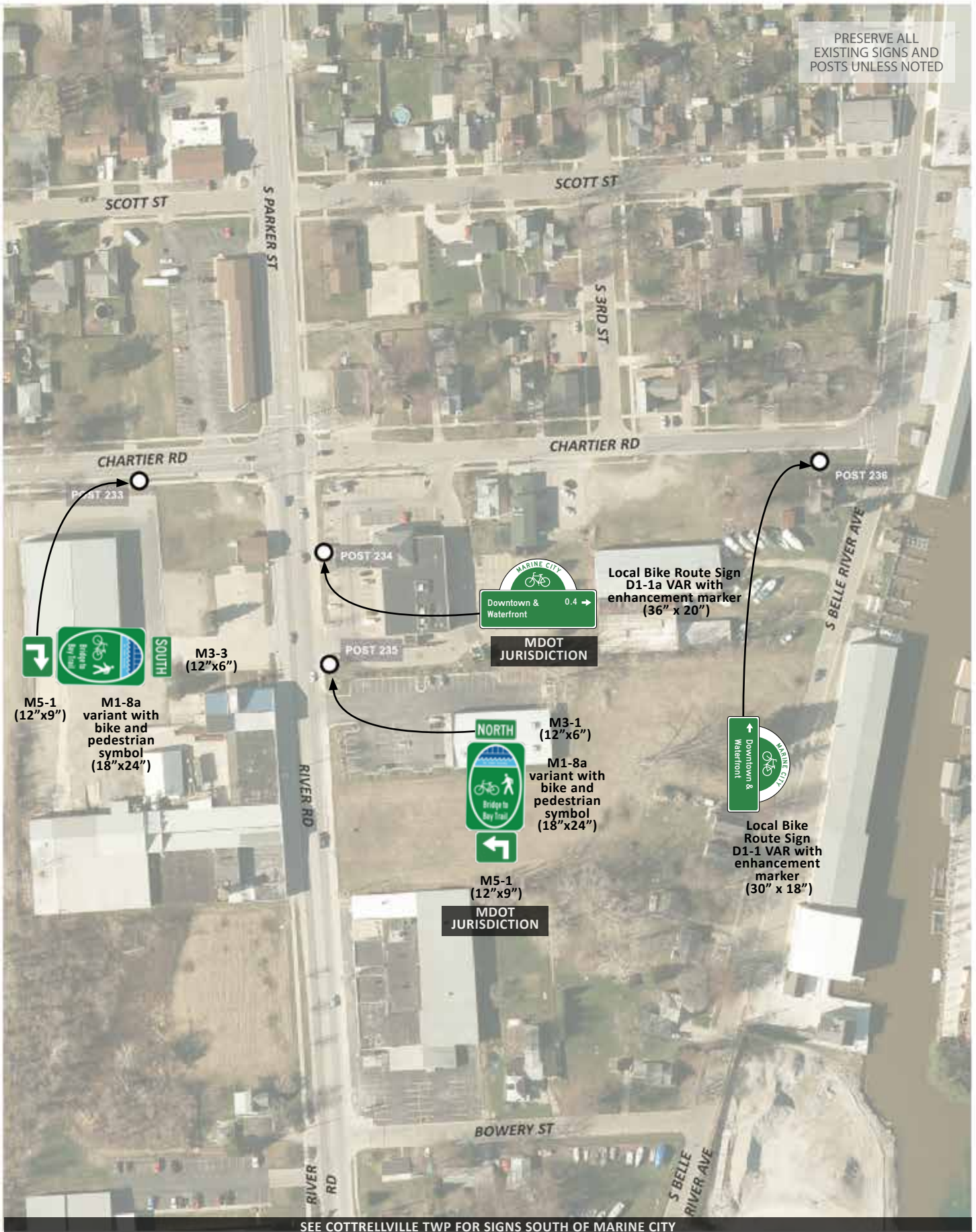


Local Bike
Route Sign
D1-1 VAR with
enhancement
marker
(30" x 18")



Local Bike
Route Sign
D1-1
VAR with
enhancement
marker
(30" x 13")

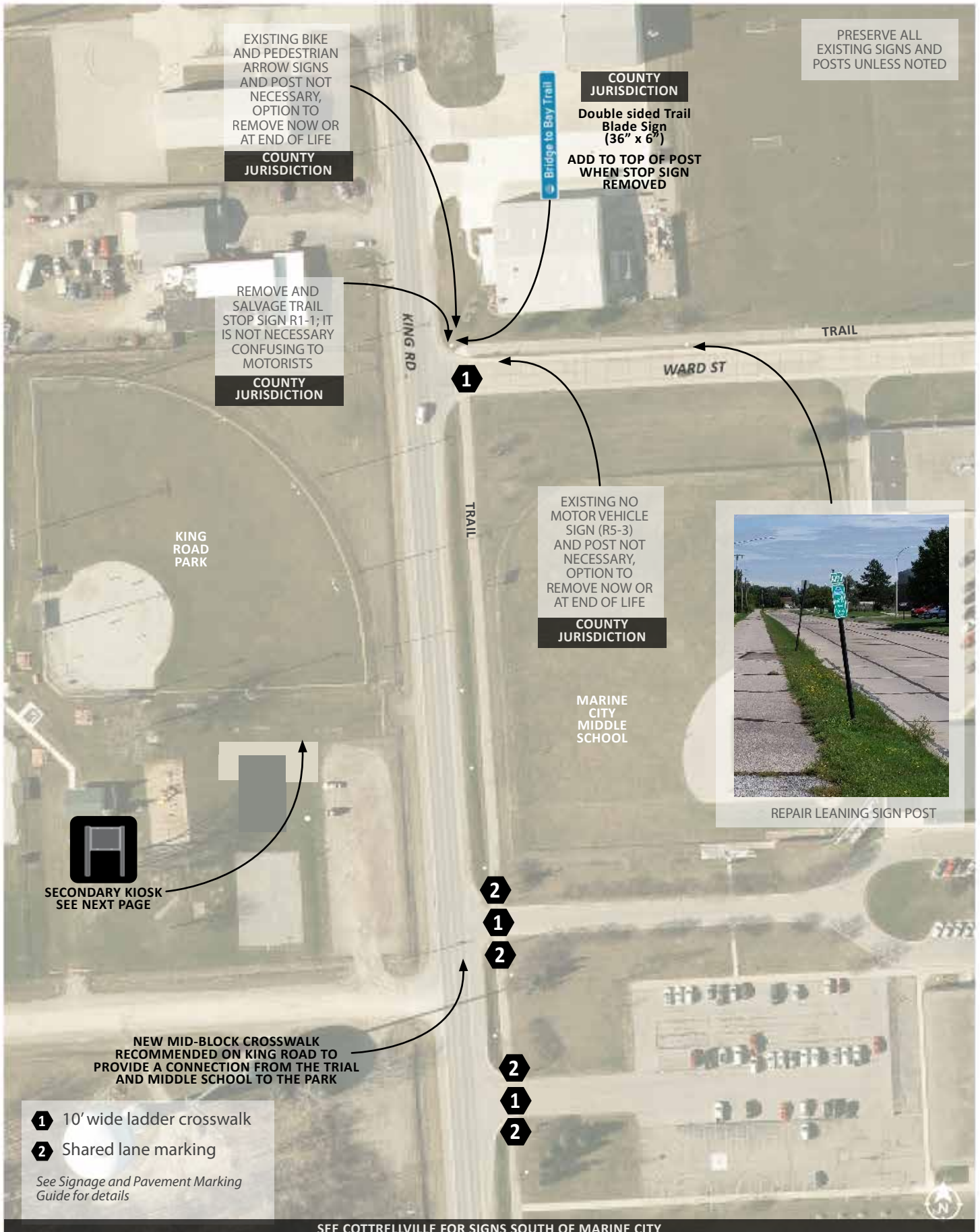
PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



SEE COTTRELLVILLE TWP FOR SIGNS SOUTH OF MARINE CITY

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")



○ DIRECT BURIAL METAL POST

△ BREAKAWAY METAL POST

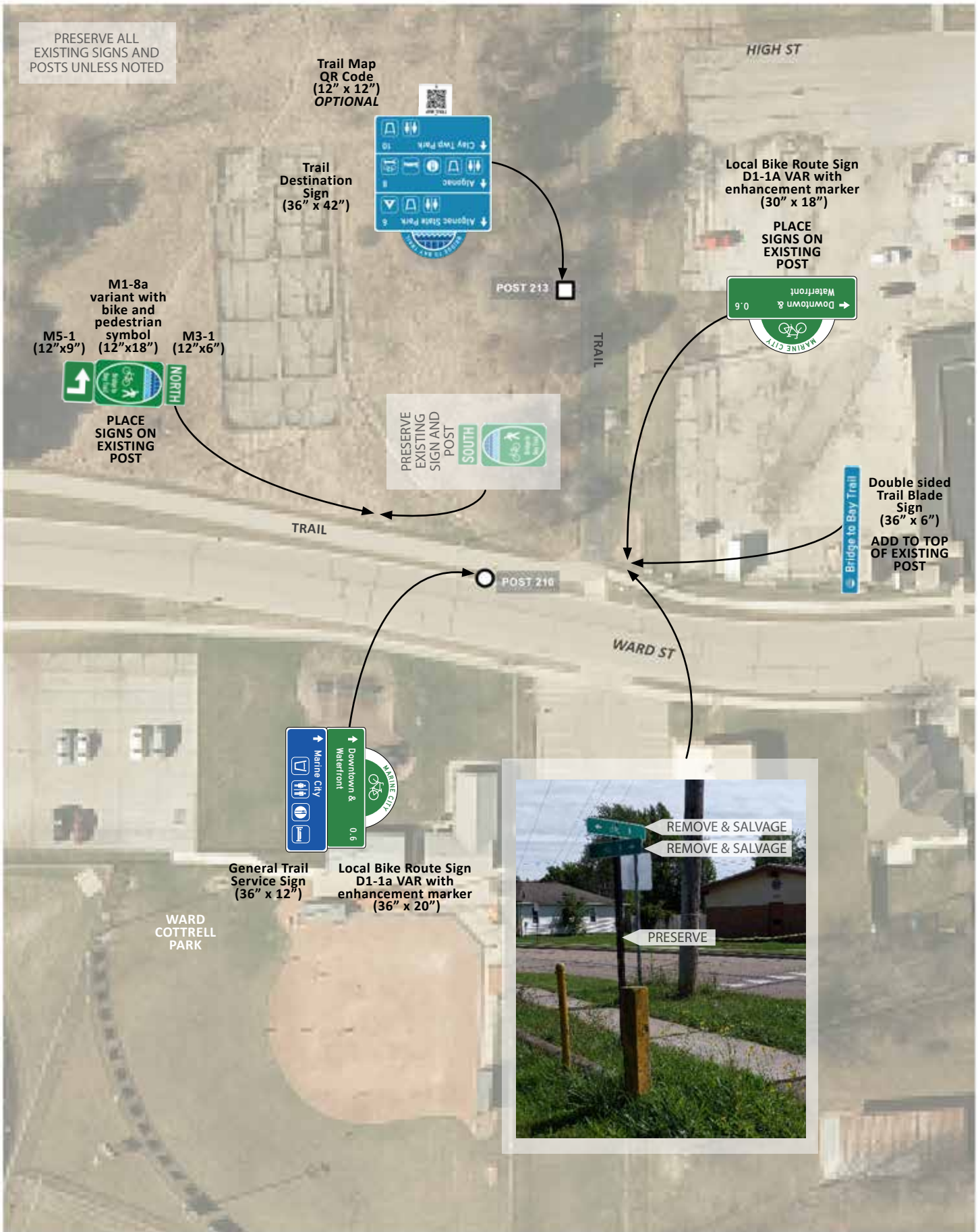
□ COMPOSITE LUMBER POST (4"x4")

Secondary Kiosk at King Road Park

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail Map facing South
- Back of sign: Option to add local information
- Viewing Surface: Place along edge of path or provide a 5' x 5' concrete pad in front of sign. If sign is two-sided a 10' x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.



A new mid-block crosswalk is recommended to connect the Park to the Middle School and Trail on the East side of King Road.



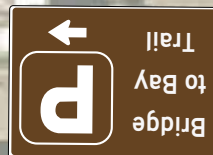
○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

MDOT
JURISDICTION

Trailhead
Parking
(42"x30")



POST 231

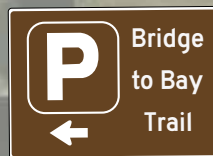
S PARKER ST



PRINCIPAL
KIOSK
SEE NEXT PAGE

LEWIS R MILLER ST

Trailhead
Parking
(42"x30")



MDOT
JURISDICTION

POST 230

S PARKER ST

PLACE
SIGNS ON
EXISTING
POST



M5-1
(12"x9")
M1-8a
variant with
bike and
pedestrian
symbol
(18"x24")
M3-3
(12"x6")

LIBRARY

HIGH ST

PRESERVE
EXISTING
SIGN AND
POST



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"x4")

Principal Kiosk at Library

- Large Roofed Sign
- 36" Tall x 48" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Terrabilt 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 signs. If the sign is two-sided a 16'x 10' concrete pad should be installed so both sides of the sign are wheelchair accessible.



- 1 10' wide ladder crosswalk
- 2 Stop bar
- 3 Detectable warning
- 4 Yellow Centerline

See Signage and Pavement Marking Guide for details

Confidence Marker stencil or sticker with arrow on walkway*



M3-1 (12"x6")

M1-8a variant with bike and pedestrian symbol (18"x24")

ADD BACK OF EXISTING SIGN POST



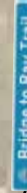
PRESERVE ALL EXISTING SIGNS AND POSTS UNLESS NOTED

Confidence Marker stencil or sticker with arrow on walkway*



Double sided Trail Blade Sign (36" x 6")

ADD TO TOP OF EXISTING POST, REPLACING DIRECTION SIGNS



Double sided Trail Blade Sign (36" x 6")

ADD TO TOP OF EXISTING POST, REPLACING ALGONAC SIGN



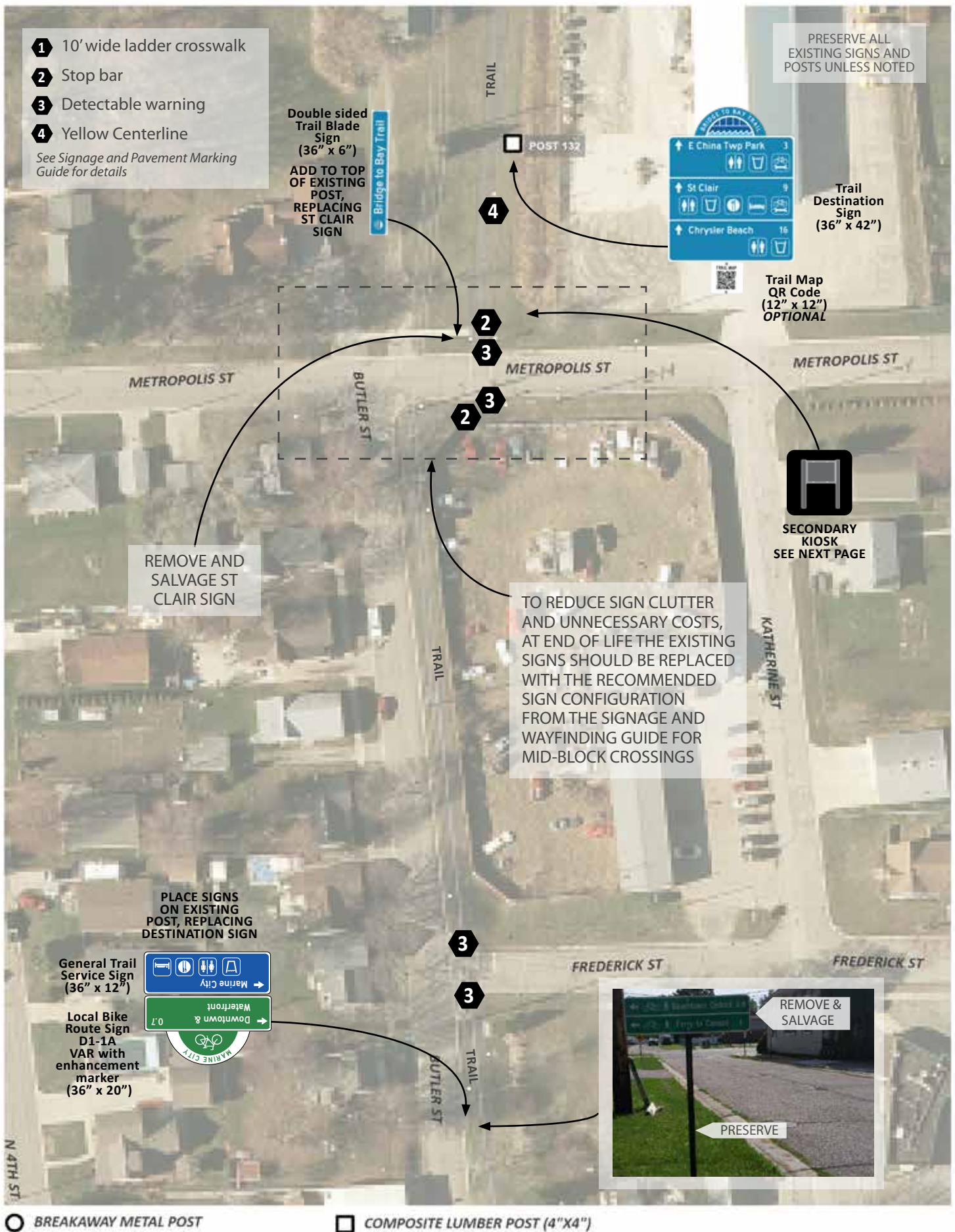
Local Bike Route Sign D1-1A VAR with enhancement marker (30" x 18")

PLACE SIGNS ON EXISTING POST

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"x4")

*Option to use 24" stencils or 12" stickers



Secondary Kiosk at Metropolis Street

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail Map facing West
- Back of sign: Option to add local information
- Viewing Surface: Provide a 5' x 5' concrete pad in front of sign. If sign is two-sided a 10' x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.



May need to coordinate with St Clair County Road Commission to use property adjacent to the trail when locating trail kiosk.

- 1 10' wide ladder crosswalk
- 2 Detectable warning
- 3 Stop bar
- 4 Yellow Centerline

See Signage and Pavement Marking Guide for details

PRESERVE ALL EXISTING SIGNS AND POSTS UNLESS NOTED

TO REDUCE SIGN CLUTTER AND UNNECESSARY COSTS, AT END OF LIFE THE EXISTING SIGNS SHOULD BE REPLACED WITH THE RECOMMENDED SIGN CONFIGURATION FROM THE SIGNAGE AND WAYFINDING GUIDE FOR MID-BLOCK CROSSINGS

Double sided Trail Blade Sign (36" x 6")

ADD TO TOP OF EXISTING POST, REPLACING ST CLAIR SIGN



TRAIL

RIVER VALLEY DR

4

3

2

1

2

3

4

DEGURSE AVE

REMOVE AND SALVAGE ST CLAIR SIGN

REMOVE AND SALVAGE MARINE CITY SIGN



REPAIR LEANING SIGN POST ON SOUTHEAST CORNER

TRAIL

SEE EAST CHINA TWP FOR SIGNS NORTH OF MARINE CITY

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

Marysville

Web meeting with advisory committee held on October 21, 2020.

Action Items for Near Term Routes

- 2020 TAP Grant was awarded for connections along River Road, south of Chrystler Beach, and along Davis Road. This includes a trail crossing at M-29.
- In addition to the TAP Grant, the City of Marysville plans to complete the shared use path connection between Marysville Park and Chrystler Beach. This connection includes a shared use path on the west side of River Road, south of Huron, with a new crosswalk to Chrystler Beach.

Kiosk Locations and Trail Parking

- Marysville Beach - Secondary Kiosk
- Marysville City Park - Secondary Kiosk
- Morton Park - Principal Kiosk and Trail Parking

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 to be included.

Responsible Agency:

***Marysville, St Clair Twp
and MDOT***

Responsible Agency:

Marysville

Marysville

Marysville

Marysville Sign Schedule

The following pages layout recommendations for signs along the Bridge to Bay Trail in Marysville. These sign locations 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, this plan notes all pavement markings, whether they are currently existing or not.



Recommendations for the Marysville section:

1

PRINCIPAL
KIOSKS

2

SECONDARY
KIOSKS

4

DESTINATION
SIGNS

2

TRAIL PARKING
SIGNS

1

SERVICE
SIGNS

46

ROUTE
SIGNS

5

CONNECTING
ROUTE SIGNS

26

REGULATORY/
SAFETY SIGNS

22

STENCILS/
STICKERS

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

CONCEPTUAL LAYOUT
BASED ON GRANT
APPLICATION DRAWINGS

PLANNED TRAIL

POST 638

Trail Blade Sign
(36" x 6")

Bridge to Bay Trail

POST 836

RECTANGULAR RAPID FLASH
BEACON PLANNED ACROSS
BUSHA HWY

DAVIS RD

BUSHA HWY



M3-1
(12"x9")
M1-8a variant
with bike and
pedestrian
symbol
(12"x18")

SEE ST CLAIR TWP SECTION
FOR RECOMMENDATIONS ON
SOUTHWEST CORNER

POST 1428



Confidence
Marker stencil
or sticker with
arrow symbol on
concrete path*

1 10' wide ladder crosswalk

2 Detectable warning

See Signage and Pavement Marking
Guide for details

use 24" stencils or 12" stickers

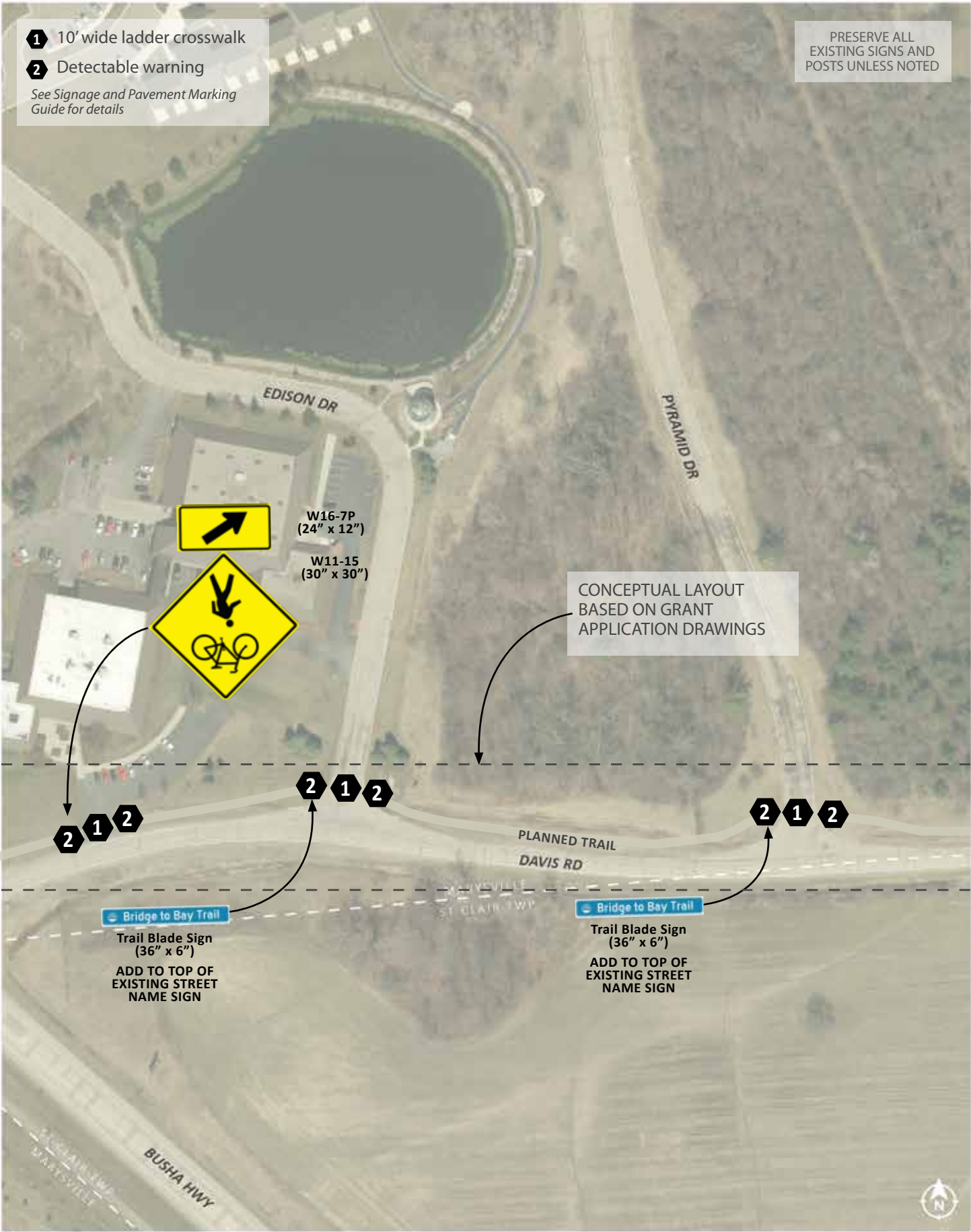
SEE ST CLAIR TWP FOR SIGNS SOUTH OF MARYSVILLE

BREAKAWAY METAL POST

COMPOSITE LUMBER POST (4"x4")

- 1 10' wide ladder crosswalk
 - 2 Detectable warning
- See Signage and Pavement Marking Guide for details

PRESERVE ALL EXISTING SIGNS AND POSTS UNLESS NOTED



○ BREAKAWAY METAL POST □ COMPOSITE LUMBER POST (4"X4")

- 1 10' wide ladder crosswalk
- 2 Detectable warning

See Signage and Pavement Marking Guide for details

PRESERVE ALL EXISTING SIGNS AND POSTS UNLESS NOTED

CONCEPTUAL LAYOUT
BASED ON GRANT
APPLICATION DRAWINGS

M3-3
(12"x9")
M1-8a variant
with bike and
pedestrian
symbol
(12"x18")



POST 1482

DAVIS RD

PLANNED TRAIL

Bridge to Bay Trail

Trail Blade Sign
(36" x 6")

ADD TO TOP OF
EXISTING STREET
NAME SIGN

PLANNED TRAIL

RIVER RD



Confidence
Marker stencil or
sticker with bike
and pedestrian
symbol on
concrete path*

2 1 2

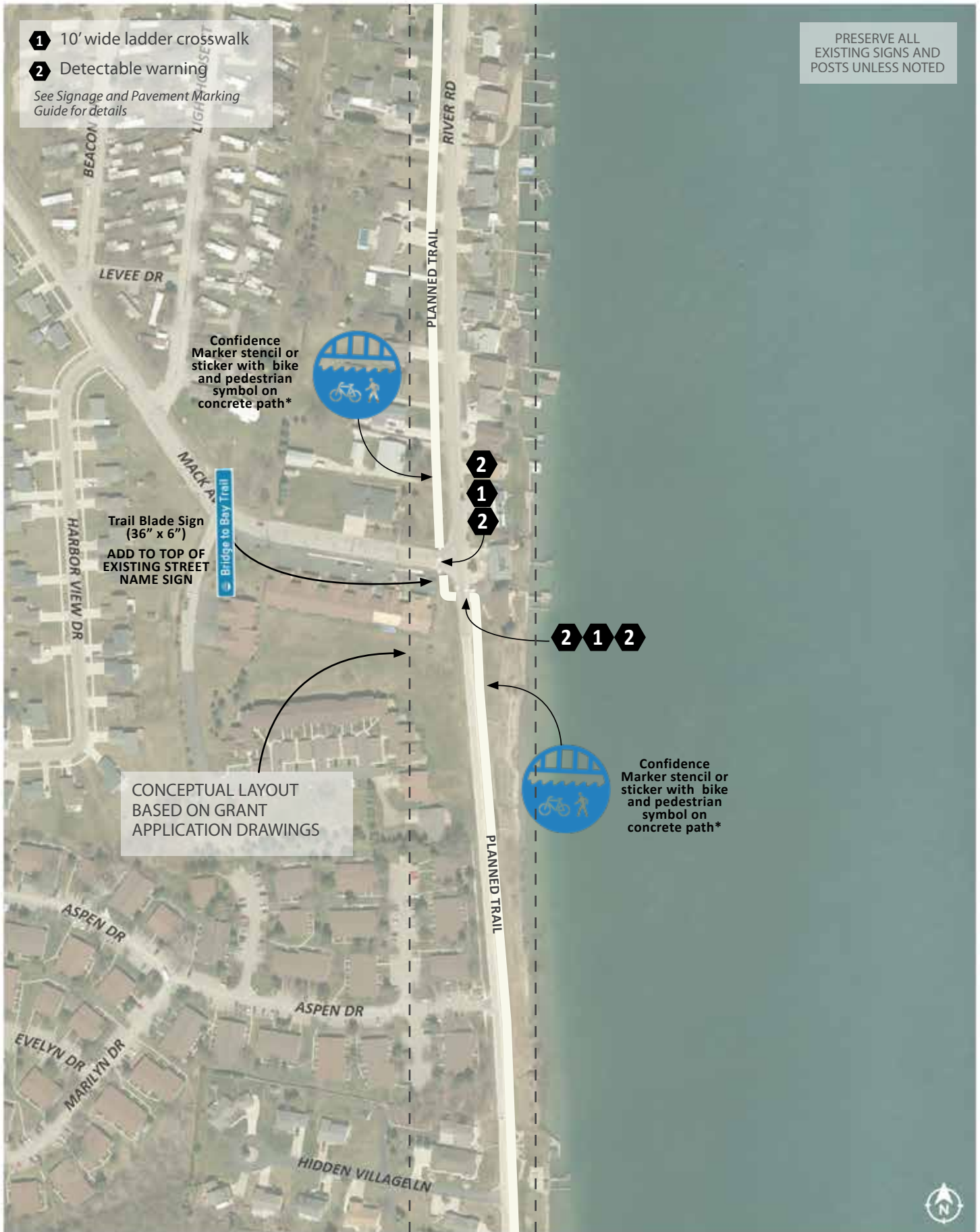


Confidence
Marker stencil
or sticker
with arrow on
concrete path*

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"x4")

*Option to use 24" stencils or 12" stickers



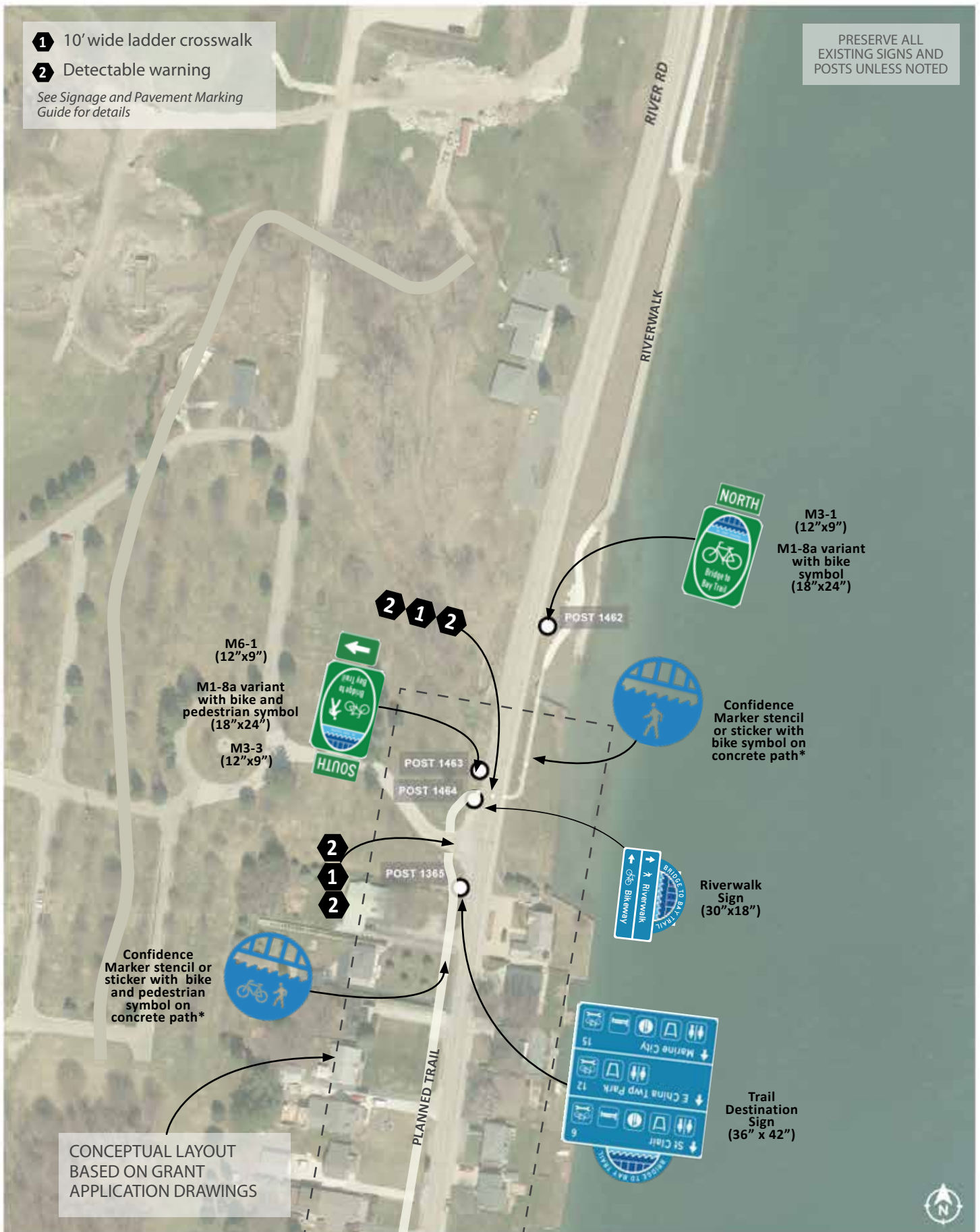
○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

*Option to use 24" stencils or 12" stickers

- 1 10' wide ladder crosswalk
 - 2 Detectable warning
- See Signage and Pavement Marking Guide for details

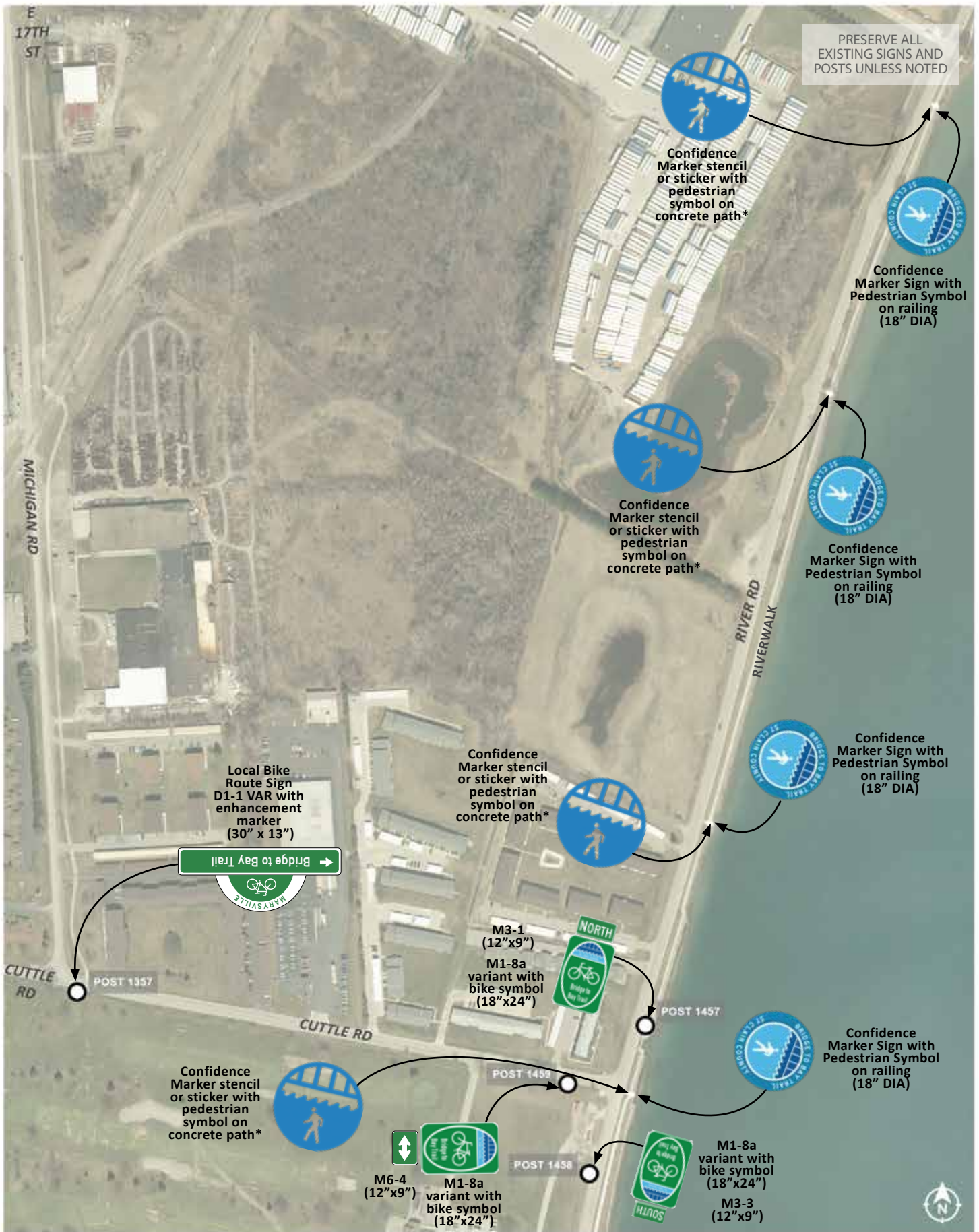
PRESERVE ALL EXISTING SIGNS AND POSTS UNLESS NOTED



○ BREAKAWAY METAL POST

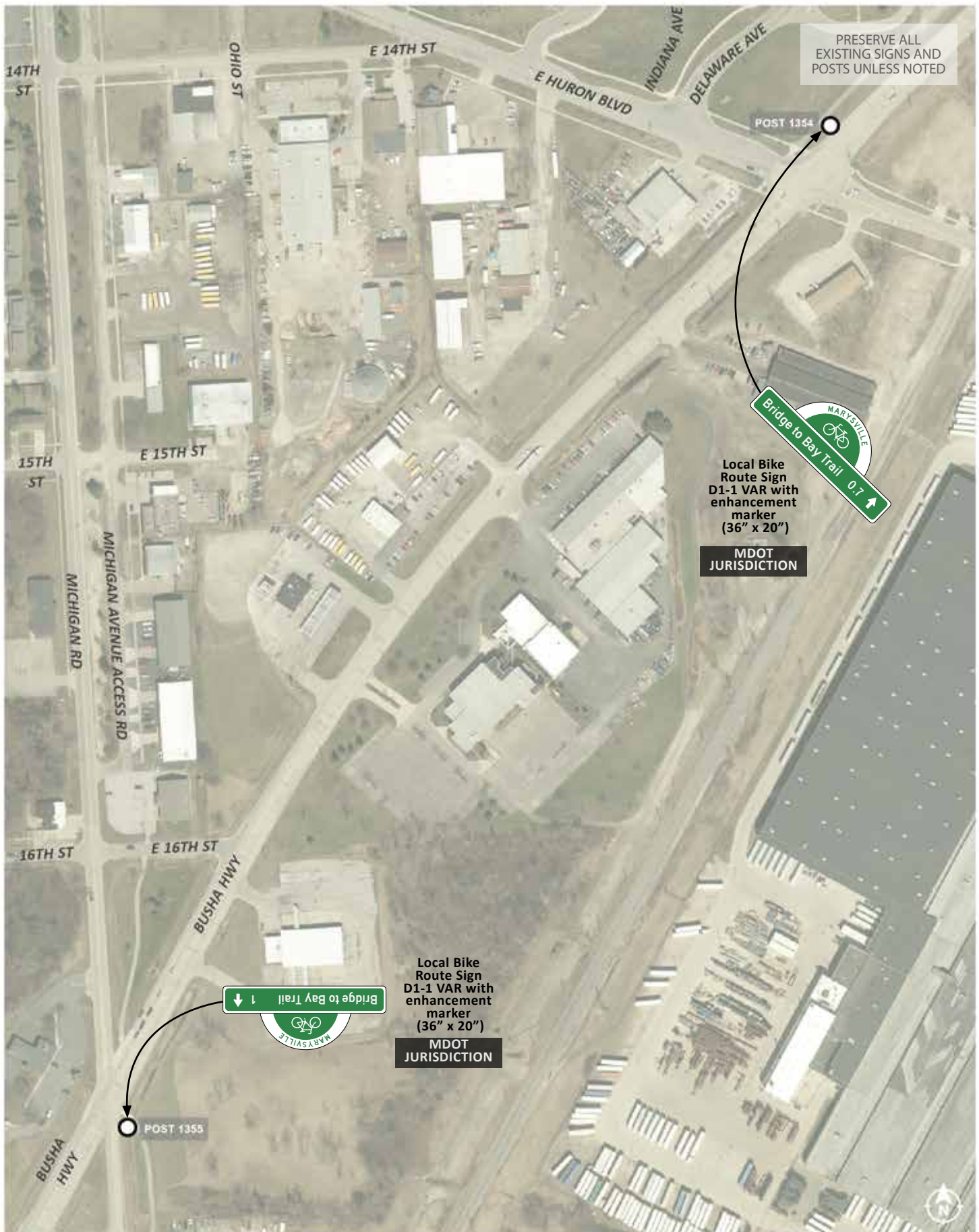
□ COMPOSITE LUMBER POST (4"X4")

*Option to use 24" stencils or 12" stickers



BREAKAWAY METAL POST
 *Option to use 24" stencils or 12" stickers

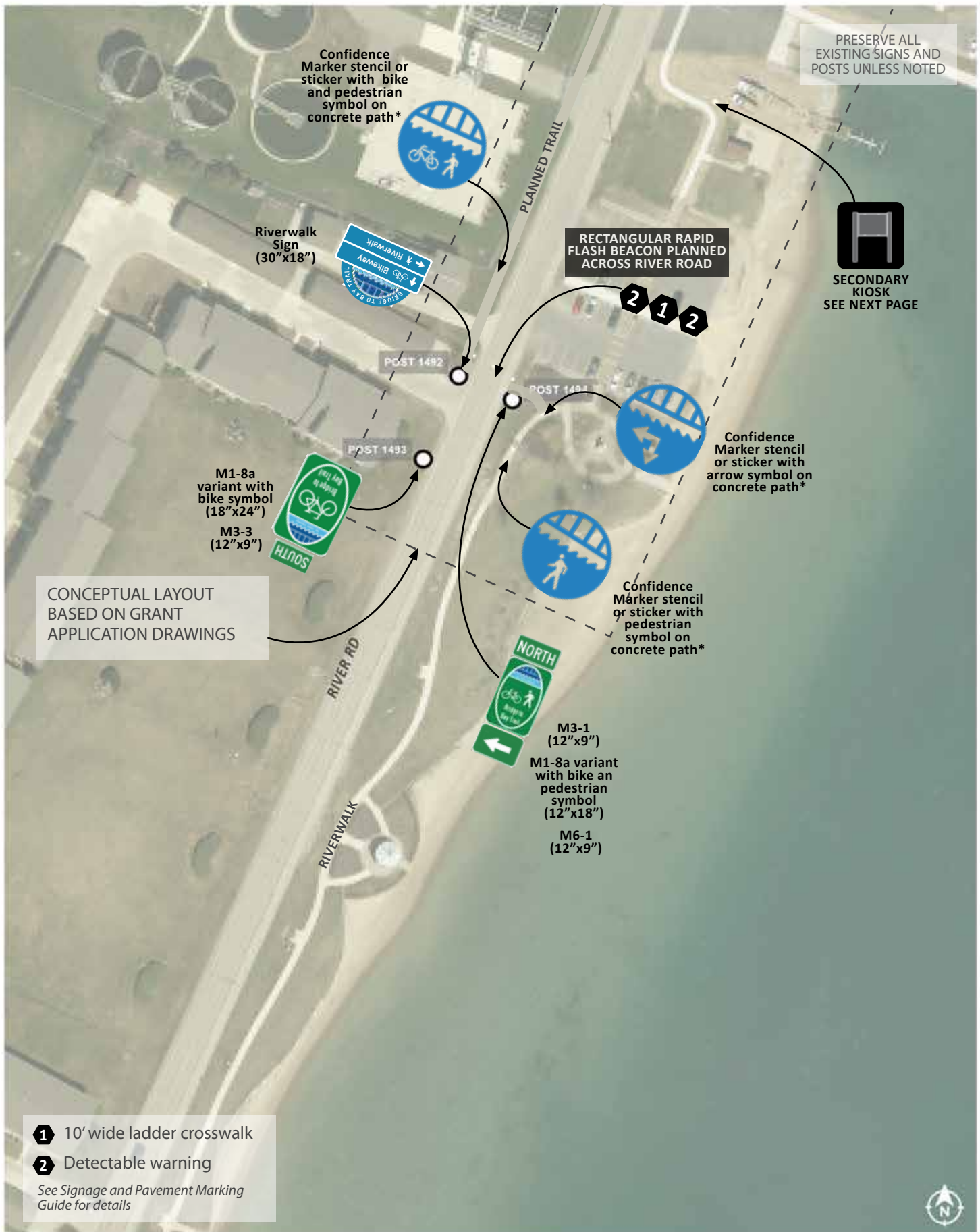
COMPOSITE LUMBER POST (4" x 4")



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

*Option to use 24" stencils or 12" stickers



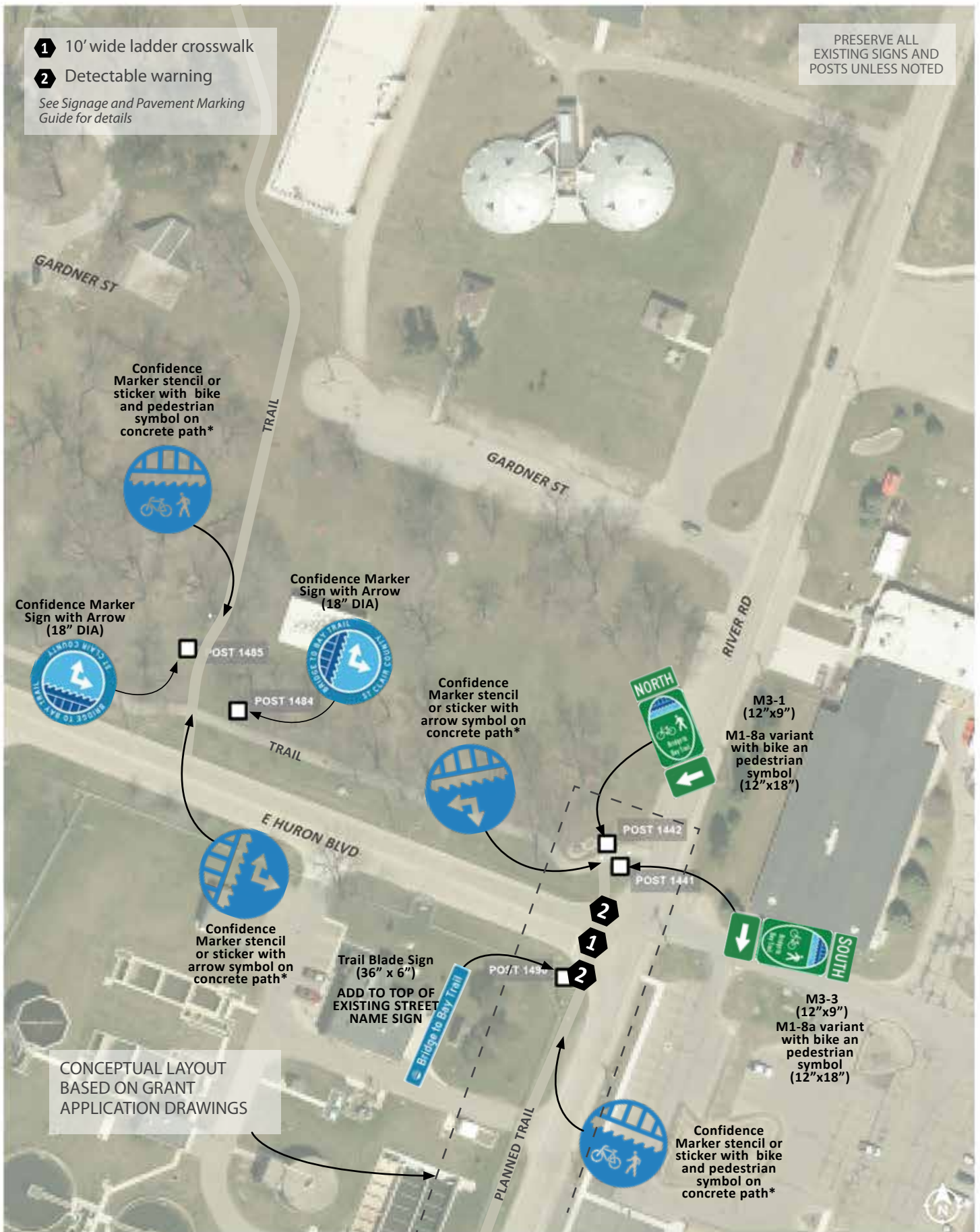
Secondary Kiosk at Chrysler Beach

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail Map facing west
- Back of sign: Option to add local information
- Viewing Surface: Place along pathway or provide a 5' x 5' concrete pad in front of sign. If sign is two-sided a 10' x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.



- 1 10' wide ladder crosswalk
 - 2 Detectable warning
- See Signage and Pavement Marking Guide for details

PRESERVE ALL EXISTING SIGNS AND POSTS UNLESS NOTED

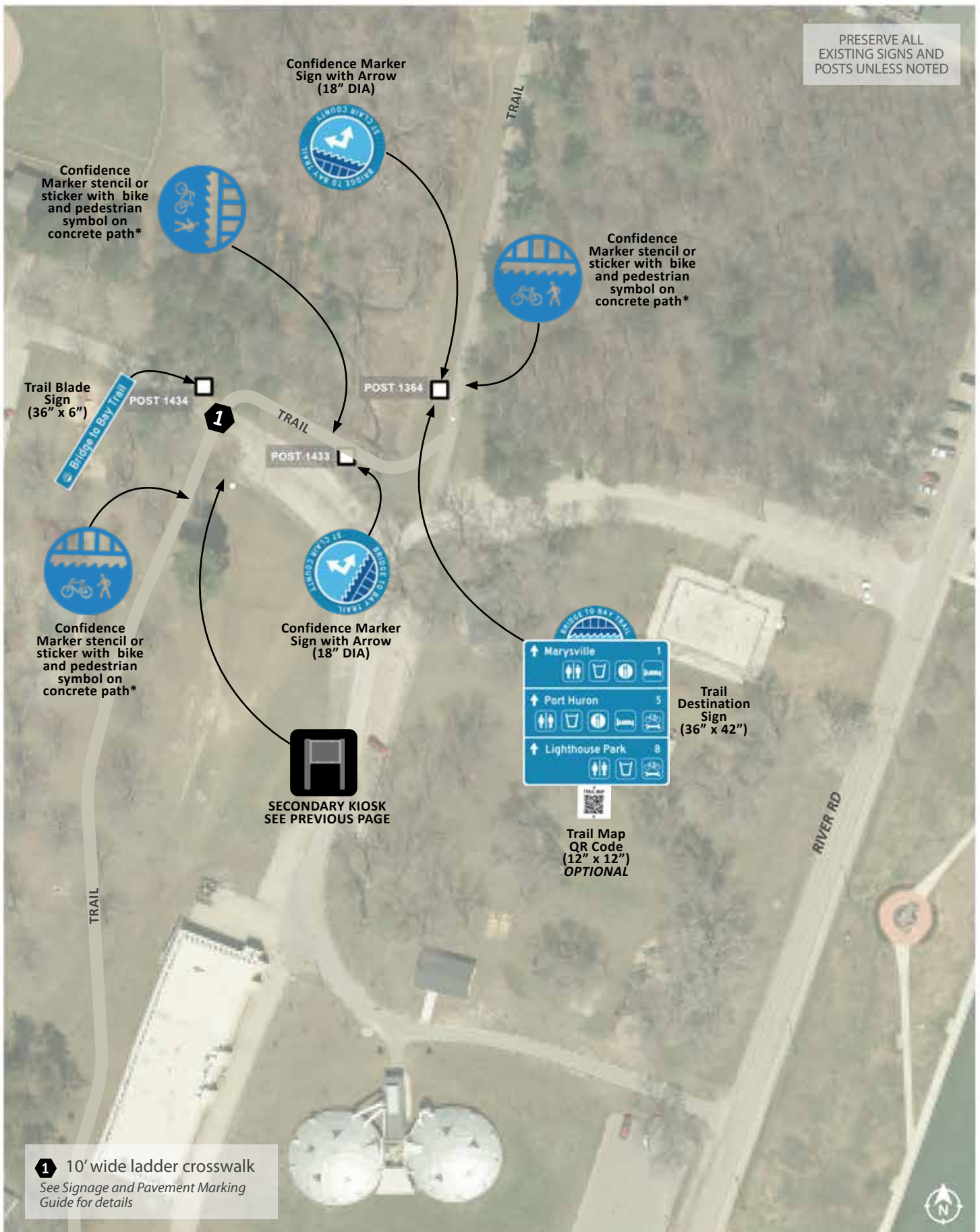


○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

*Option to use 24" stencils or 12" stickers

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



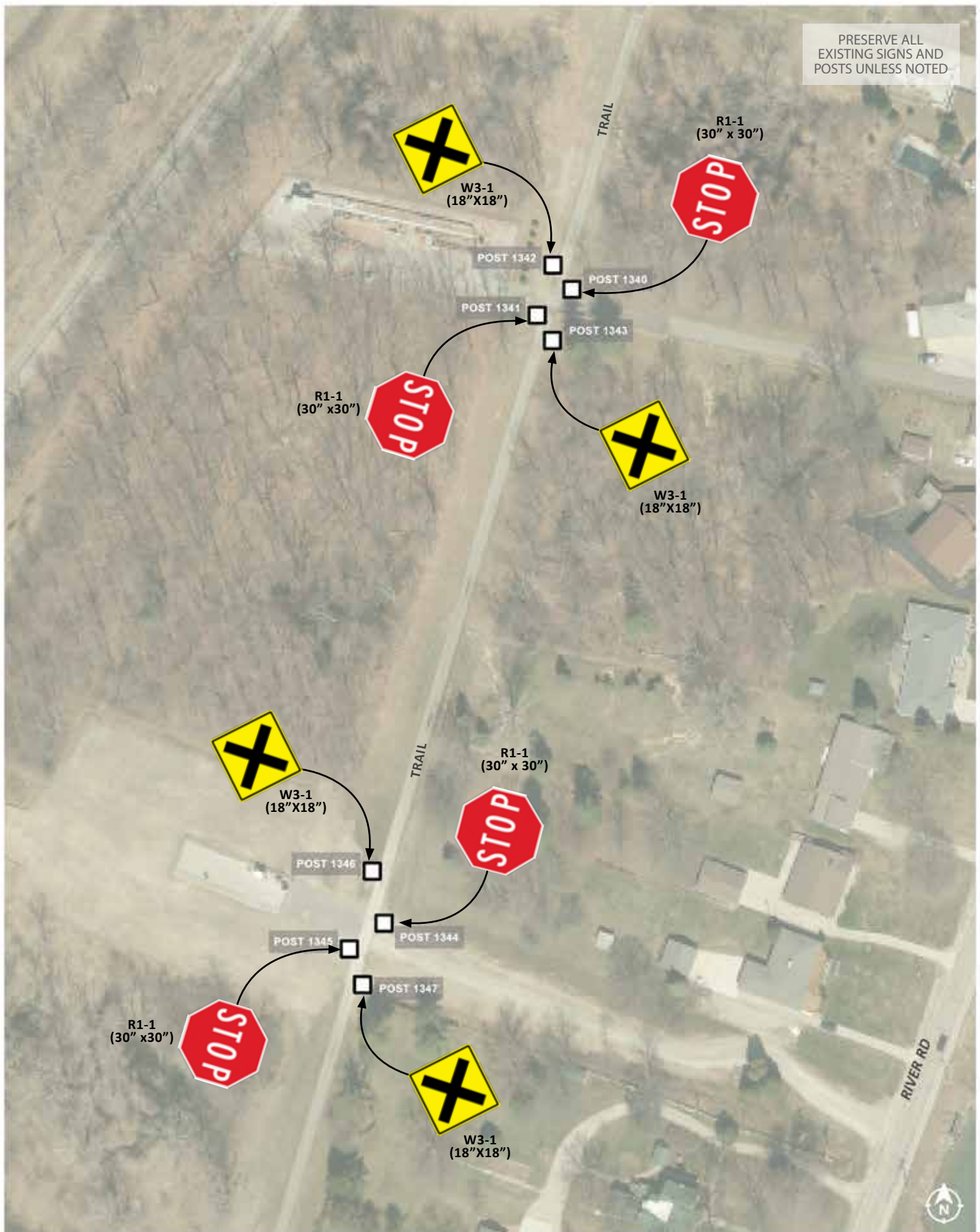
- BREAKAWAY METAL POST
 - COMPOSITE LUMBER POST (4"X4")
- *Option to use 24" stencils or 12" stickers

Secondary Kiosk at Marysville Park

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail Map
- Back of sign: Option to add local information
- Viewing Surface: Place along pathway or provide a 5' x 5' concrete pad in front of sign. If sign is two-sided a 10' x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.

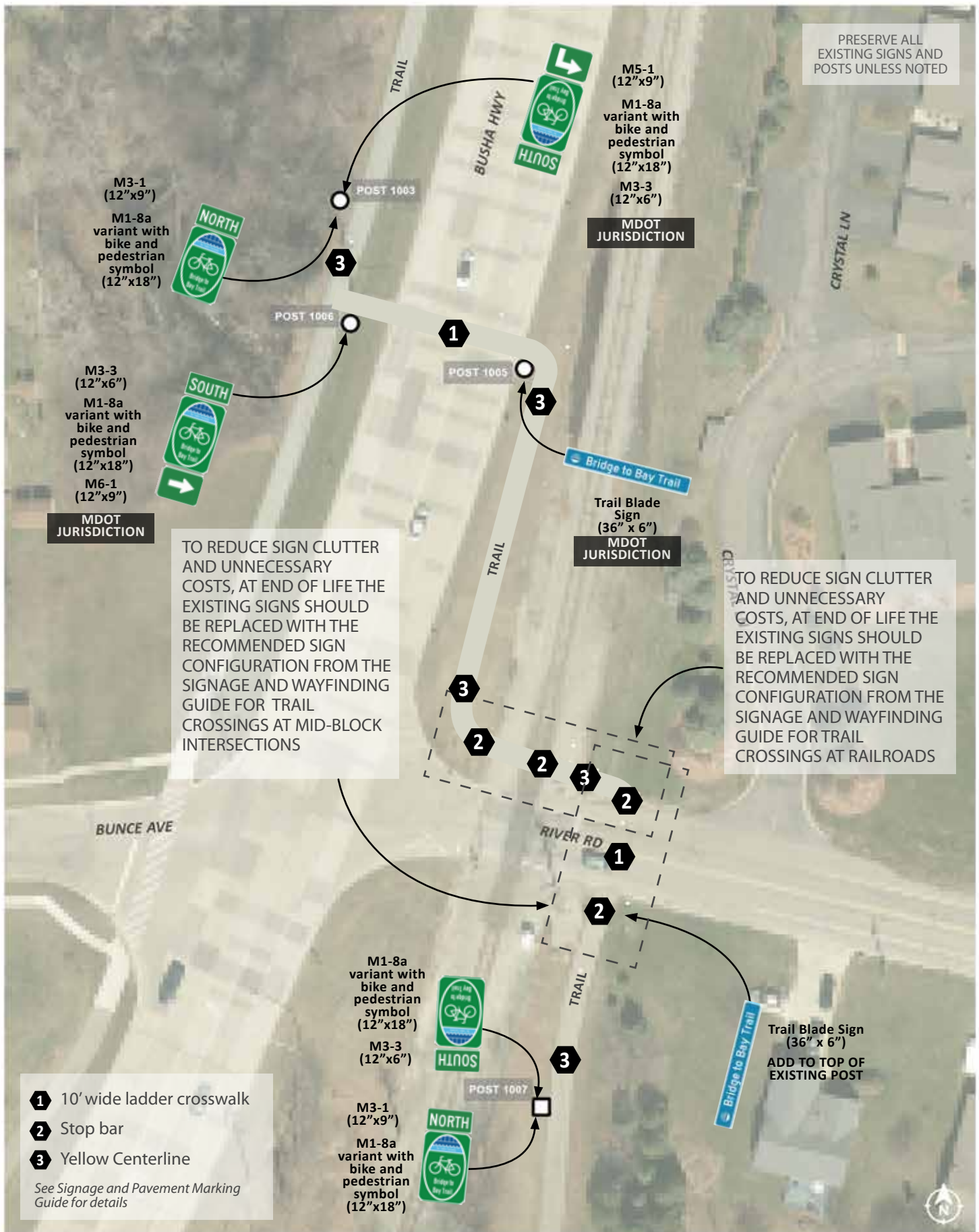


PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")



TO REDUCE SIGN CLUTTER AND UNNECESSARY COSTS, AT END OF LIFE THE EXISTING SIGNS SHOULD BE REPLACED WITH THE RECOMMENDED SIGN CONFIGURATION FROM THE SIGNAGE AND WAYFINDING GUIDE FOR SIDEPATH TRAIL CROSSINGS AT CONTROLLED INTERSECTIONS

PRESERVE ALL EXISTING SIGNS AND POSTS UNLESS NOTED

GREENWOOD ST



W11-15
(30" x 30")

MDOT
JURISDICTION



W11-15
(30" x 30")

MDOT
JURISDICTION

POST 999

TRAIL

POST 1001

BUSHA HWY

Trail Blade Sign
(36" x 6")
ADD TO TOP OF
EXISTING POST

- 1 10' wide ladder crosswalk
- 2 Detectable warning

See Signage and Pavement Marking
Guide for details

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

RELOCATE NO MOTOR
VEHICLE SIGN (R5-3) TO
EXISTING POST ON THE
SOUTHWEST CORNER
OF TRAIL CROSSING

REMOVE AND
SALVAGE BIKE
ROUTE SIGN;
REPLACE WITH
NO MOTOR
VEHICLE SIGN
(R5-3)

Trail Blade Sign
(36" x 6")
ADD TO TOP OF
EXISTING POST

REMOVE AND
SALVAGE BIKE
ROUTE SIGN

W1-1
(18"x18")

MAYWOOD ST

POST 1002

POST 962

BUSHA HWY

M6-1
(12"x9")

M1-8a
variant with
bike and
pedestrian
symbol
(12"x18")

M3-3
(12"x6")



PLACE ON EXISTING
POST IN PLACE OF
BIKE ROUTE SIGN

M3-1
(12"x6")

M1-8a variant with bike
and pedestrian symbol
(12"x18")

M6-1
(12"x9")

- ① 10' wide ladder crosswalk
- ② Detectable warning
- ③ Stop bar

See Signage and Pavement Marking
Guide for details

TRAIL

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"x4")

*Option to use 24" stencils or 12" stickers

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

MORTON
PARK

Trail Map
QR Code
(12" x 12")
OPTIONAL



Trail
Destination
Sign
(36" x 42")



POST 1381



4

3

2

1

3

LYNWOOD ST



Trail Blade Sign
(36" x 6")
ADD TO TOP OF
EXISTING POST

- 1 10' wide ladder crosswalk
- 2 Detectable warning
- 3 Stop bar

See Signage and Pavement Marking
Guide for details



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

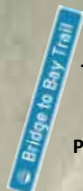
BUSHA HWY



Confidence Marker
stencil or sticker with
arrow on walkway*

TO REDUCE SIGN CLUTTER
AND UNNECESSARY
COSTS, AT END OF LIFE THE
EXISTING SIGNS SHOULD
BE REPLACED WITH THE
RECOMMENDED SIGN
CONFIGURATION FROM THE
SIGNAGE AND WAYFINDING
GUIDE FOR SIDEPATH TRAIL
CROSSINGS AT DRIVEWAYS
AND PRIVATE ROADS

MORTON
PARK



Trail Blade Sign
(36" x 6")
Double Sided

PLACE AT TOP OF
EXISTING POST



MDOT
JURISDICTION

Trailhead
Parking
(42"x30")

POST 1432



PRINCIPAL KIOSK
SEE NEXT PAGE



MDOT
JURISDICTION

Trailhead
Parking
(42"x30")

POST 1431



- 1 10' wide ladder crosswalk
- 2 Detecable warning

See Signage and Pavement Marking
Guide for details

BREAKAWAY METAL POST

COMPOSITE LUMBER POST (4"x4")

*Option to use 24" stencils or 12" stickers

Principal Kiosk at Morton Park

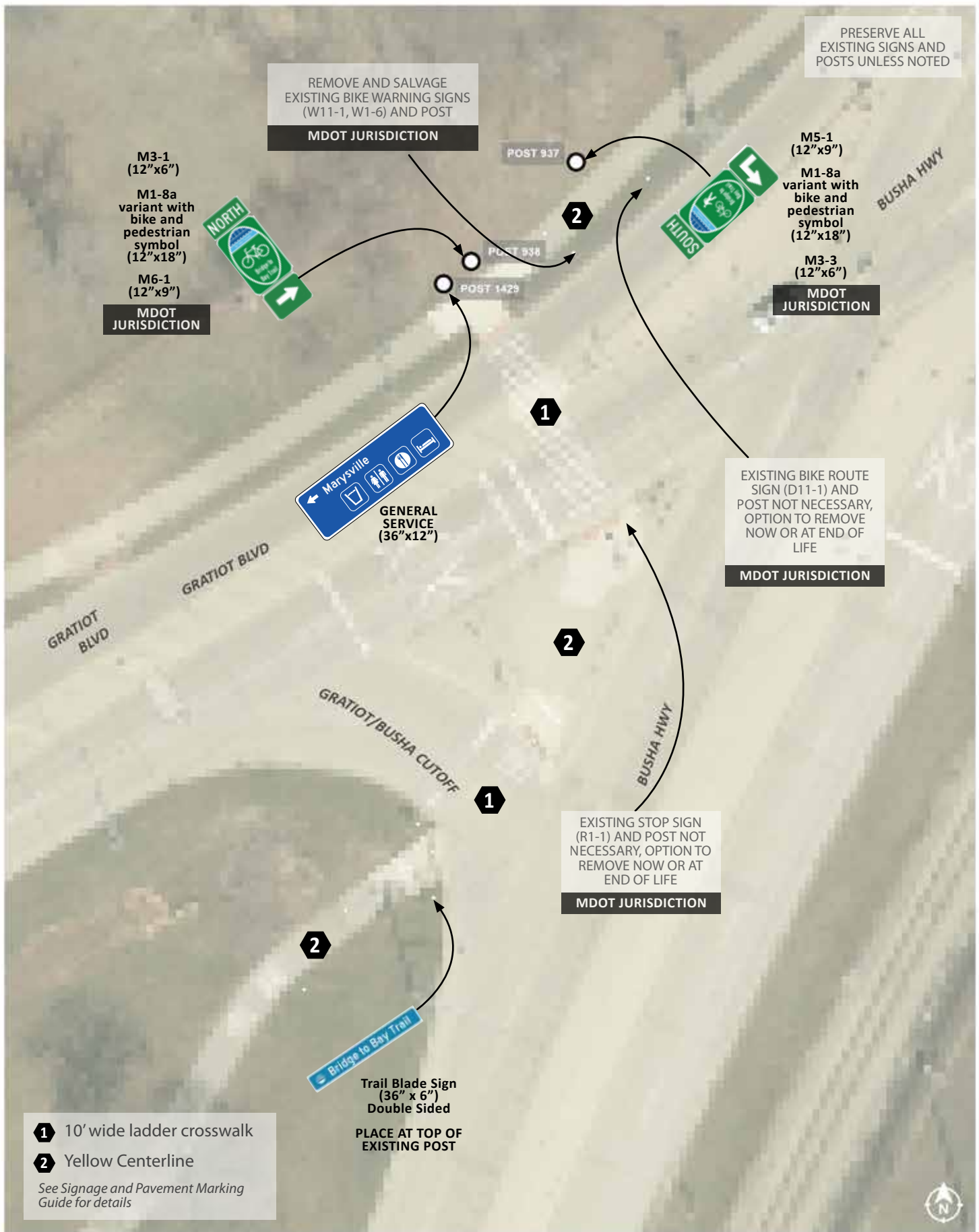
- Large Roofed Sign
- 36" Tall x 48" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Terrabilt 2-Post Classic Kiosk
- Front of sign: Bridge to Bay Trail map with local trail information facing West
- Back of sign: Option to add additional information, such as St Clair County Community College events 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.





○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")



PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

1 10' wide ladder crosswalk

2 Yellow Centerline

See Signage and Pavement Marking
Guide for details

**MDOT
JURISDICTION**

Trail Blade Sign
(36" x 6")

PLACE ON POLE
OF PEDESTRIAN
SIGNAL

EXISTING BIKE ROUTE
SIGN (D11-1) AND
POST NOT NECESSARY,
OPTION TO REMOVE
NOW OR AT END OF
LIFE

MDOT JURISDICTION

POST 1360

Trail
Destination
Sign
(36" x 42")

**MDOT
JURISDICTION**

EXISTING STOP SIGN
(R1-1) AND POST NOT
NECESSARY, OPTION TO
REMOVE NOW OR AT
END OF LIFE

MDOT JURISDICTION

EXISTING STOP SIGN
(R1-1) AND POST NOT
NECESSARY, OPTION TO
REMOVE NOW OR AT
END OF LIFE

MDOT JURISDICTION

GRATIOT BLVD

BUSHA HWY

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

BUSHA HWY

- 1 10' wide ladder crosswalk
- 2 Detectable warning

See Signage and Pavement Marking Guide for details



POST 921

BUSHA HWY

MDOT JURISDICTION

M3-1
(12"x6")

**M1-8a
variant with
bike and
pedestrian
symbol
(12"x18")**

MDOT JURISDICTION

W11-15
(30" x 30")

**W16-7P
(24" x 12")**

TRAIL

POST 1350



○ BREAKAWAY METAL POST

☐ COMPOSITE LUMBER POST (4"X4")

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



REMOVE AND
SALVAGE SIGN
AND POST

MDOT
JURISDICTION



REMOVE AND
DISPOSE SIGN
AND POST

MDOT JURISDICTION



W10-1
(24\"/>

MDOT
JURISDICTION



R1-2
(18\"/>

R15-1
(24\"/>

MDOT
JURISDICTION



R15-1
(24\"/>

R1-2
(18\"/>

MDOT
JURISDICTION



REMOVE AND
SALVAGE SIGN
AND POST

MDOT
JURISDICTION



W10-1
(24\"/>

MDOT
JURISDICTION

1 Detectable warning

2 Stop bar

3 Railroad marking

See Signage and Pavement Marking
Guide for details

○ BREAKAWAY METAL POST


□ COMPOSITE LUMBER POST (4\"/>




PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



1 10' wide ladder crosswalk
See Signage and Pavement Marking
Guide for details

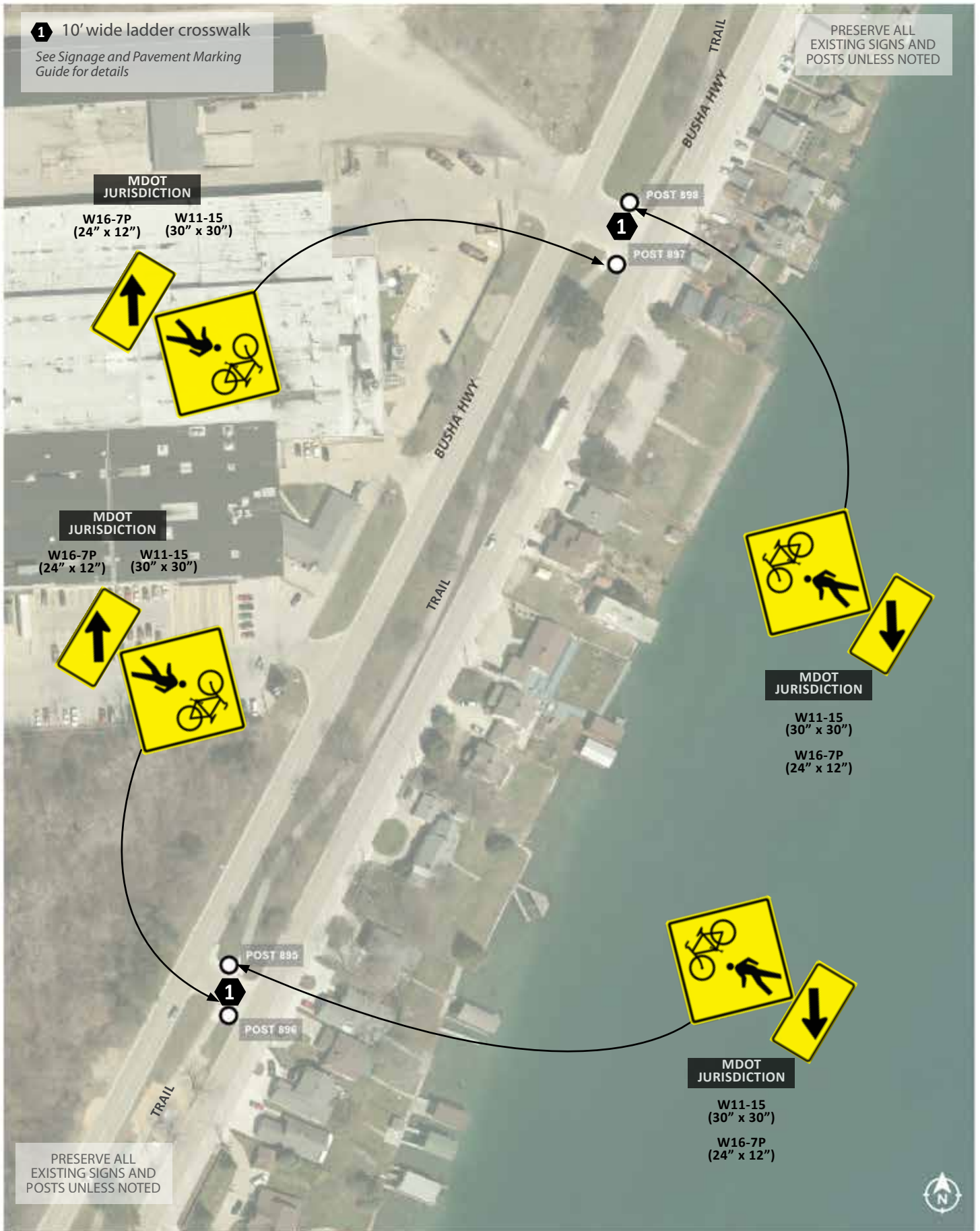
 BREAKAWAY METAL POST

 COMPOSITE LUMBER POST (4"X4")

1 10' wide ladder crosswalk

See Signage and Pavement Marking Guide for details

PRESERVE ALL EXISTING SIGNS AND POSTS UNLESS NOTED



MDOT JURISDICTION

W16-7P
(24" x 12")

W11-15
(30" x 30")

MDOT JURISDICTION

W16-7P
(24" x 12")

W11-15
(30" x 30")

MDOT JURISDICTION

W11-15
(30" x 30")

W16-7P
(24" x 12")

MDOT JURISDICTION

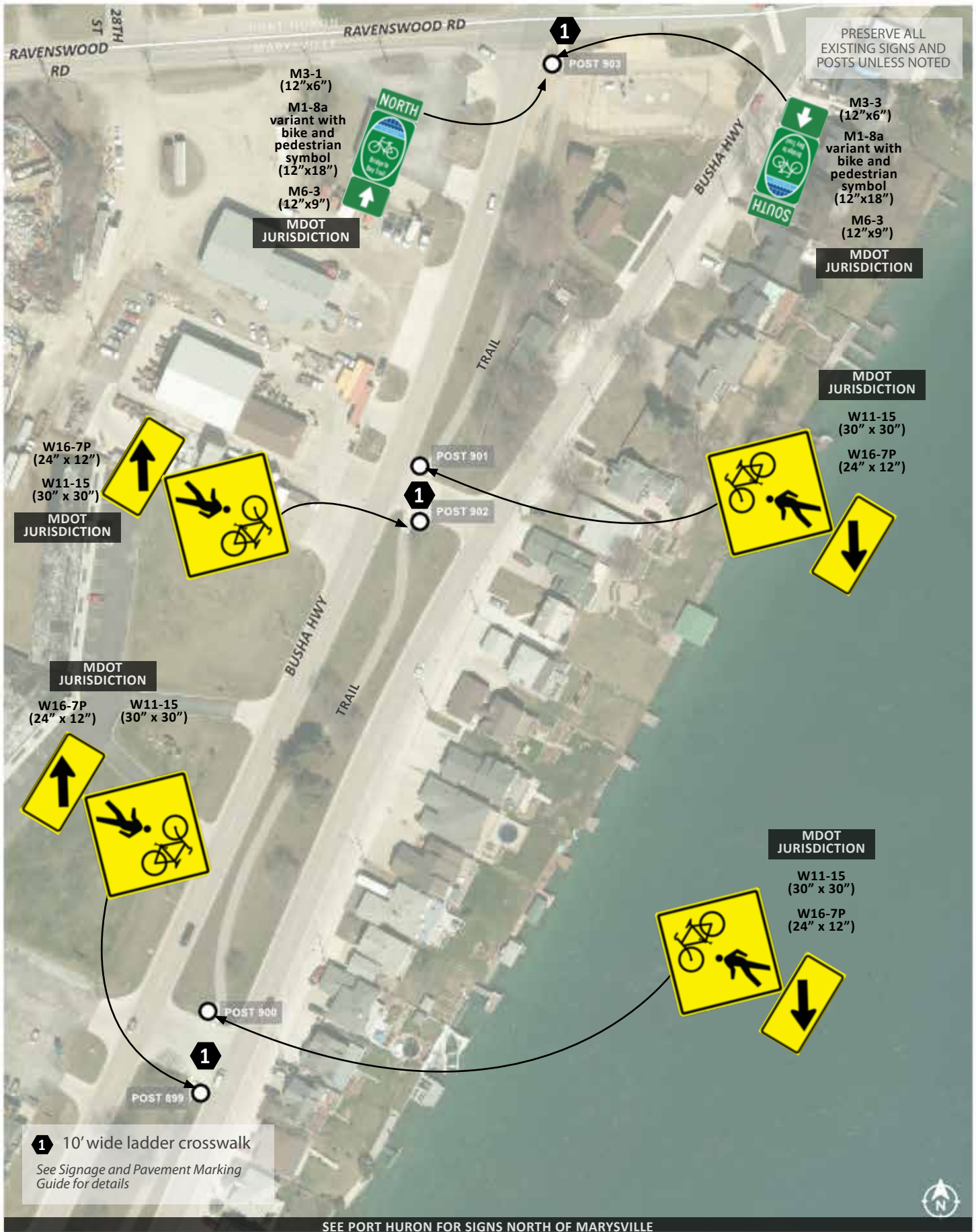
W11-15
(30" x 30")

W16-7P
(24" x 12")



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")



New Baltimore

No meetings have taken place with New Baltimore. Recommendations have not been verified with City.

Action Items for Near Term Routes

- Provide local bike route wayfinding signs between the Bridge to Bay Trail and Walter & Mary Burke Park
- Repair paved shoulder on M-29 east of County Line Road, pavement in poor condition

Kiosk Locations and Trail Parking

- Walter and Mary Burke Park - Secondary Kiosk

New Baltimore Sign Schedule

The following pages layout recommendations for Kiosk in New Baltimore. These kiosk location have also been inventoried in a GIS database. Contact Sheri Faust for access to the data.

Recommendations for the New Baltimore section include:

1

SECONDARY
KIOSKS

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.

Responsible Agency:

New Baltimore

MDOT

Responsible Agency:

New Baltimore





Secondary Kiosk at Walter & Mary Burke Park

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail Map facing Northwest
- Back of sign: Option to add local information
- Viewing Surface: Place along pathway or provide a 5' x 5' concrete pad in front of sign. If sign is two-sided a 10' x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.



Port Huron

In-person meeting with advisory committee held on October 27, 2020 and web meeting with advisory committee held on December 9, 2020.

Action Items for Near Term Routes

- Seek funding for pathway along Gratiot Ave to connect to planned trail along Black River Run
- Provide a safe and accessible bicycle and pedestrian connection to Lakeside Park from the Bridge to Bay Trail Route
- Explore potential trail connection at south end of 7th Street
- Explore potential road diet on Thomas Edison Parkway to incorporate bikeway or adding shared lane markings within the existing curbs
- Explore switching Electric Ave to Military Street by incorporate a bikeway within the existing curbs through a road diet

Responsible Agency:

Port Huron

Port Huron

Port Huron

Port Huron

Port Huron & MDOT

Kiosk Locations and Trail Parking

- Lakeside Park - Principal Kiosk and Trail Parking
- Lighthouse Park - Principal Kiosk and Trail Parking
- Blue Water Bridge Park - Principal Kiosk and Trail Parking
- Pinegrove Park - Secondary Kiosk
- Quay Street & Fort Street - Secondary Kiosk
- Blue Water River Walk - Principal Kiosk
- Wetlands County Park - Secondary Kiosk and Trail Parking
- 10th Street - Secondary Kiosk
- Lincoln Park - Secondary Kiosk and Trail Parking
- Intersection of 10th Street and Shared Use Path - Secondary Kiosk

Responsible Agency:

Port Huron

Port Huron

Port Huron

Port Huron

Port Huron

**Community Foundation
of St Clair County**

St Clair County Park

Port Huron

Port Huron

Port Huron

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 to be included.
- Numerous pavement surface and trip hazards issues were noted during fieldwork. See the Analysis Document for details.

Port Huron Sign Schedule

The following pages layout recommendations for signs along the Bridge to Bay Trail in Port Huron. 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, this plan notes all pavement markings, whether they are currently existing or not.



Recommendations for the Port Huron section include:

3

PRINCIPAL
KIOSKS

5

SECONDARY
KIOSKS

7

DESTINATION
SIGNS

4

TRAIL PARKING
SIGNS

66

ROUTE
SIGNS

16

CONNECTING
ROUTE SIGNS

5

REGULATORY/
SAFETY SIGNS

68

STENCILS/
STICKERS

- 1 10' wide ladder crosswalk
 - 2 Detectable warning
- See Signage and Pavement Marking Guide for details

PRESERVE ALL EXISTING SIGNS AND POSTS UNLESS NOTED



Confidence Marker stencil or sticker with bike and pedestrian symbol on concrete path*

MDOT JURISDICTION

W11-15 (30" x 30")
W16-7P (24" x 12")



MDOT JURISDICTION

W11-15 (30" x 30")
W16-7P (24" x 12")



POST 1038



POST 1032



SEE MARYSVILLE FOR SIGNS SOUTH OF PORT HURON

○ BREAKAWAY METAL POST

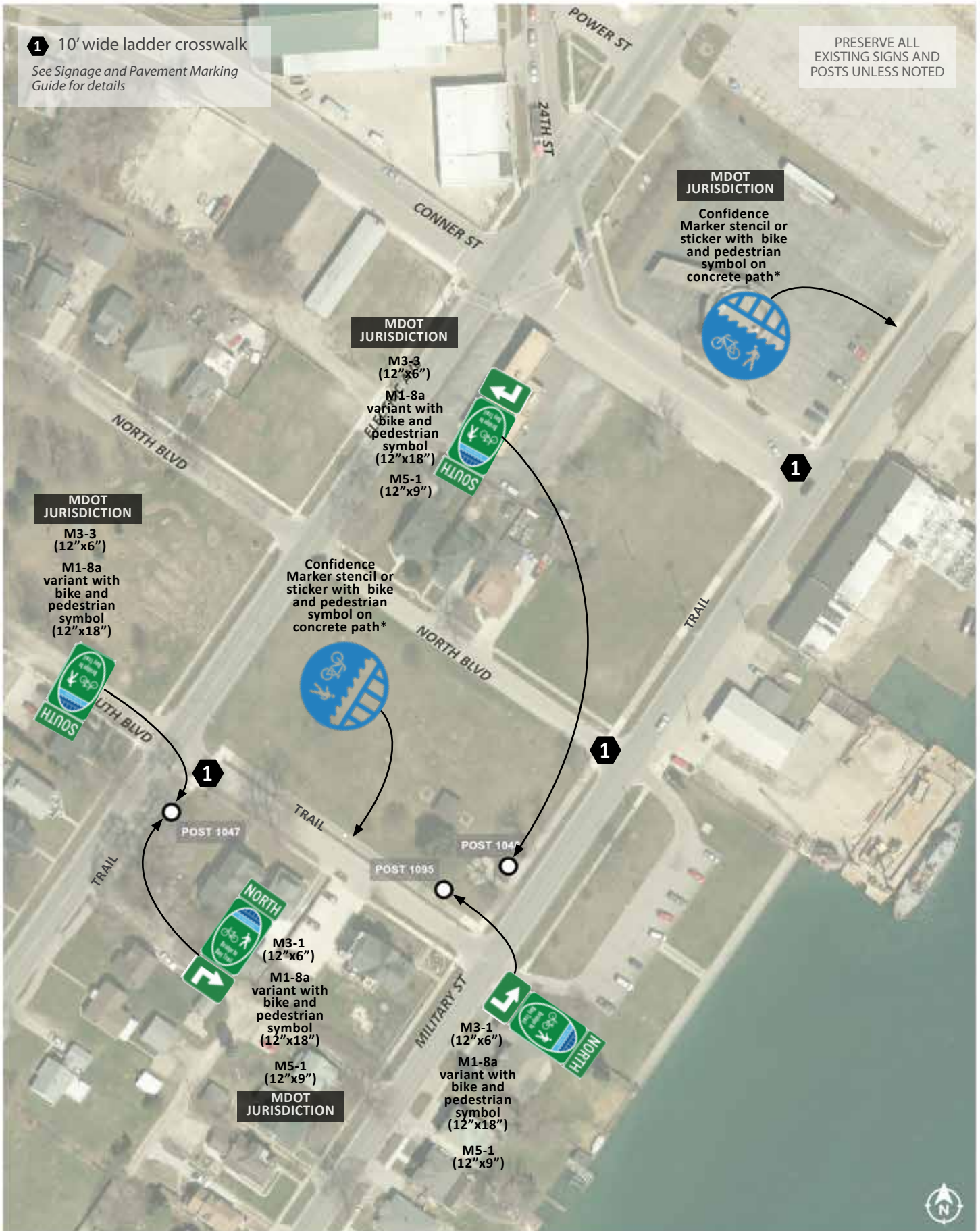
□ COMPOSITE LUMBER POST (4"X4")

*Option to use 24" stencils or 12" stickers

1 10' wide ladder crosswalk

See Signage and Pavement Marking Guide for details

PRESERVE ALL EXISTING SIGNS AND POSTS UNLESS NOTED



MDOT JURISDICTION

Confidence Marker stencil or sticker with bike and pedestrian symbol on concrete path*



1

MDOT JURISDICTION

M3-3 (12"x6")
M1-8a variant with bike and pedestrian symbol (12"x18")
M5-1 (12"x9")



Confidence Marker stencil or sticker with bike and pedestrian symbol on concrete path*



NORTH BLVD

TRAIL

1

MDOT JURISDICTION

M3-3 (12"x6")
M1-8a variant with bike and pedestrian symbol (12"x18")



NORTH BLVD

1

POST 1047

TRAIL

POST 1095

POST 104



M3-1 (12"x6")
M1-8a variant with bike and pedestrian symbol (12"x18")
M5-1 (12"x9")

MDOT JURISDICTION

MILITARY ST



M3-1 (12"x6")
M1-8a variant with bike and pedestrian symbol (12"x18")
M5-1 (12"x9")



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"x4")

*Option to use 24" stencils or 12" stickers

1 10' wide ladder crosswalk

2 Detectable warning

See Signage and Pavement Marking Guide for details

PRESERVE ALL EXISTING SIGNS AND POSTS UNLESS NOTED



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

*Option to use 24" stencils or 12" stickers

See Signage and Pavement Marking Guide for details

1

Confidence
Marker stencil or
sticker with bike
and pedestrian
symbol on
concrete path*



**Confidence
Marker stencil or
sticker with bike
and pedestrian
symbol on
concrete path***

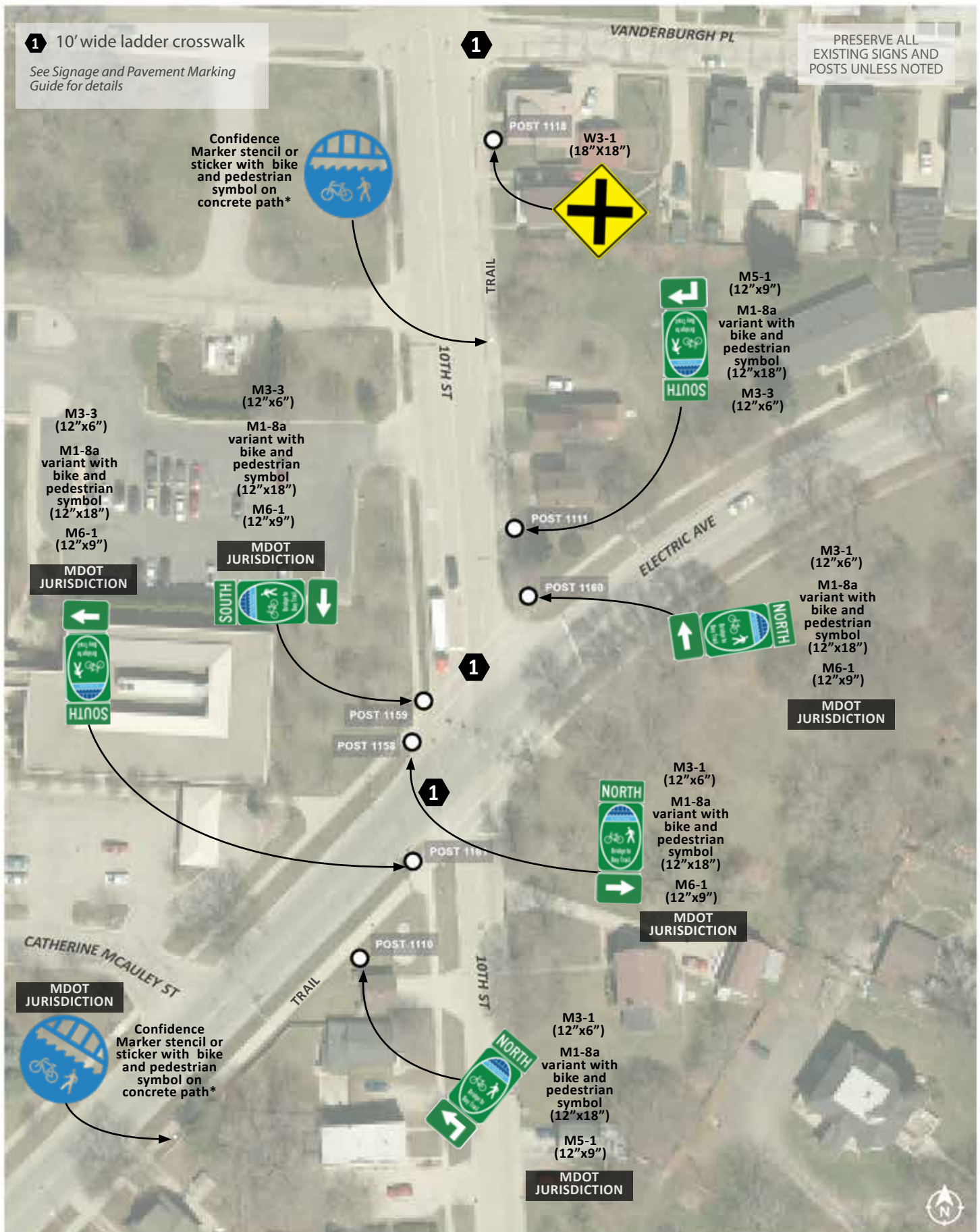


10/29/21 123

1 10' wide ladder crosswalk

See Signage and Pavement Marking Guide for details

PRESERVE ALL EXISTING SIGNS AND POSTS UNLESS NOTED



○ BREAKAWAY METAL POST

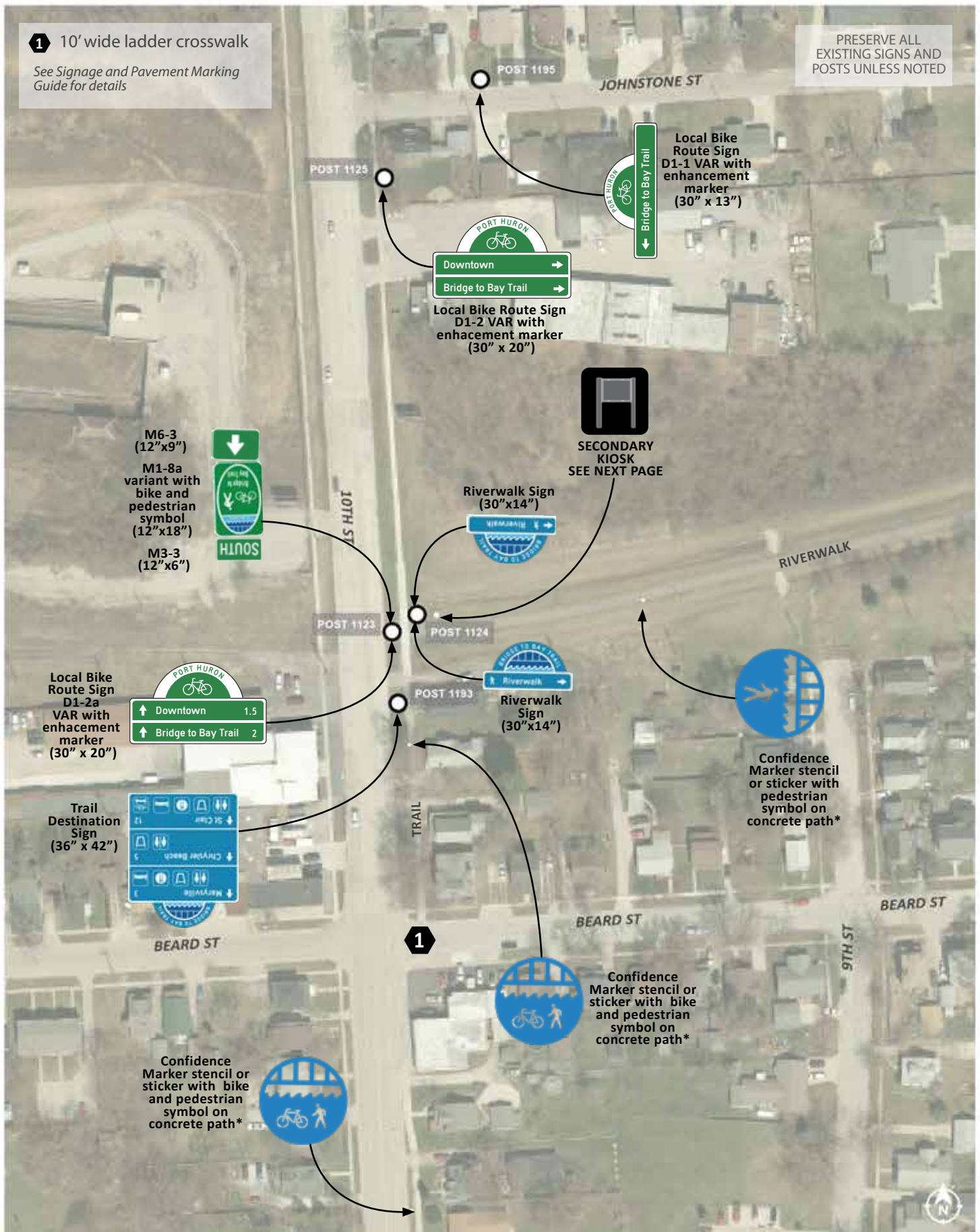
□ COMPOSITE LUMBER POST (4"x4")

*Option to use 24" stencils or 12" stickers

1 10' wide ladder crosswalk

See Signage and Pavement Marking Guide for details

PRESERVE ALL EXISTING SIGNS AND POSTS UNLESS NOTED



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

*Option to use 24" stencils or 12" stickers

Secondary Kiosk at 10th Street

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail Map facing West
- Back of sign: Option to add local information
- Viewing Surface: Provide a 5' x 5' concrete pad in front of sign. If sign is two-sided a 10' x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.



Secondary Kiosk at Wetlands County Park

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail Map facing Northwest
- Back of sign: Option to add local information
- Viewing Surface: Place along pathway or provide a 5' x 5' concrete pad in front of sign. If sign is two-sided, turn so it is perpendicular to pathway and a 10' x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.





PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

RIVERWALK

WETLANDS
COUNTY
PARK



SECONDARY
KIOSK
SEE PREVIOUS
PAGE



Local Bike
Route Sign
D1-1 VAR with
enhancement
marker
(30" x 13")

POST 1128

JOHNSTONE ST

POST 1127



Local Bike
Route Sign
D1-2 VAR with
enhancement
marker
(30" x 20")



Confidence
Marker stencil
or sticker with
pedestrian
symbol on asphalt
path*

RIVERWALK

POST 1163



Trailhead
Parking
(42" x 30")

MDOT
JURISDICTION

POST 1162



Trailhead
Parking
(42" x 30")

MDOT
JURISDICTION



Confidence
Marker stencil
or sticker with
pedestrian
symbol on asphalt
path*



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4" x 4")

*Option to use 24" stencils or 12" stickers



PRESERVE ALL EXISTING SIGNS AND POSTS UNLESS NOTED



PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

○ BREAKAWAY METAL POST

*Option to use 24" stencils or 12" stickers

□ COMPOSITE LUMBER POST (4"X4")

Principal Kiosk at entrance to the Blue Water River Walk

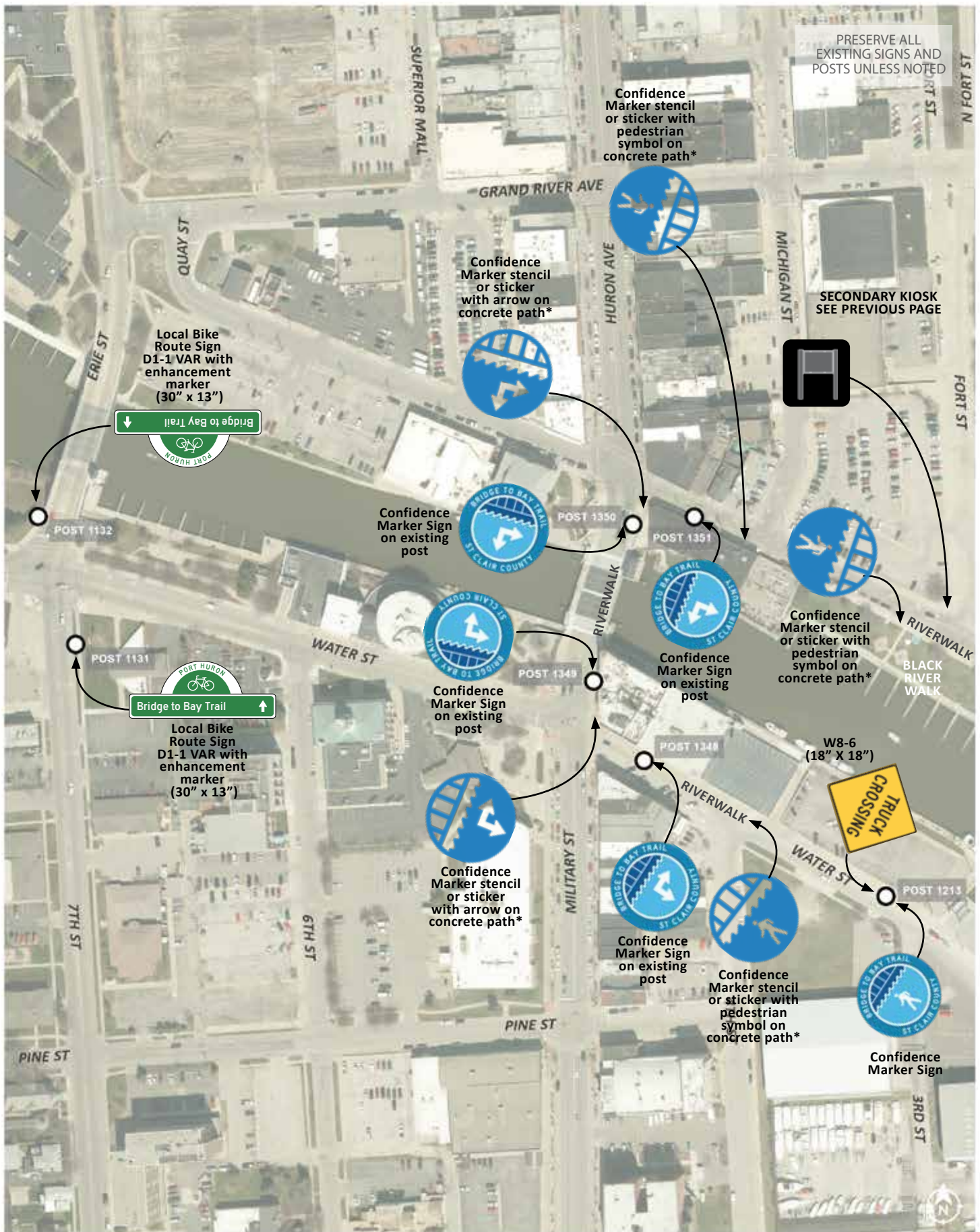
- Large Roofed Sign
- 36" Tall x 48" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Terrabilt 2-Post Classic Kiosk
- Front of sign: Bridge to Bay Trail map with local trail information facing East
- Back of sign: Option to add additional information, such as water trail or other 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.



Secondary Kiosk at northwest corner of Quay St and Fort St

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail Map facing Southeast
- Back of sign: Option to add local information
- Viewing Surface: Place existing concrete pad. If sign is two-sided it should be installed so both sides of the sign are visible from the sidewalk and wheelchair accessible.



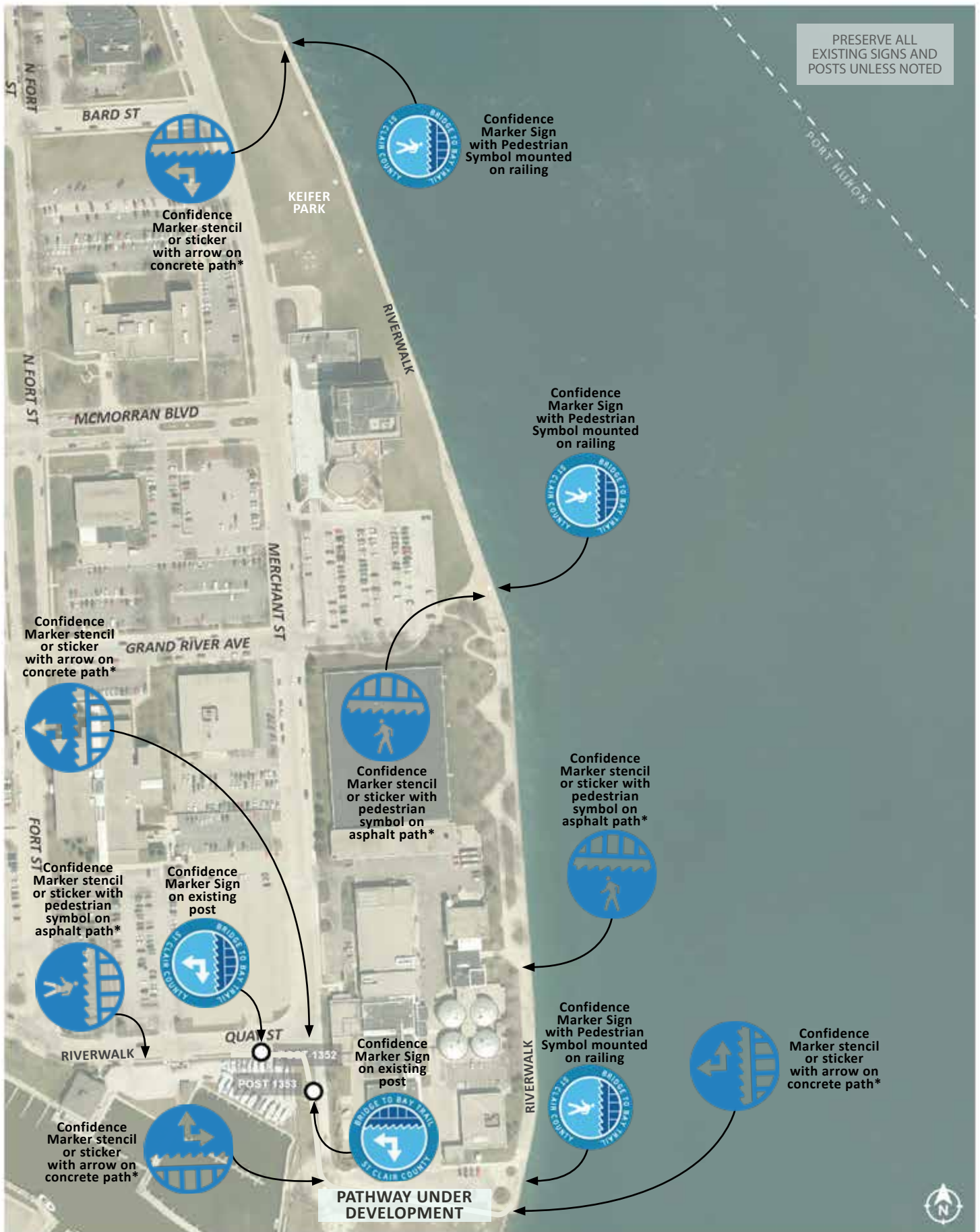


○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

*Option to use 24" stencils or 12" stickers

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



○ BREAKAWAY METAL POST

☐ COMPOSITE LUMBER POST (4"X4")

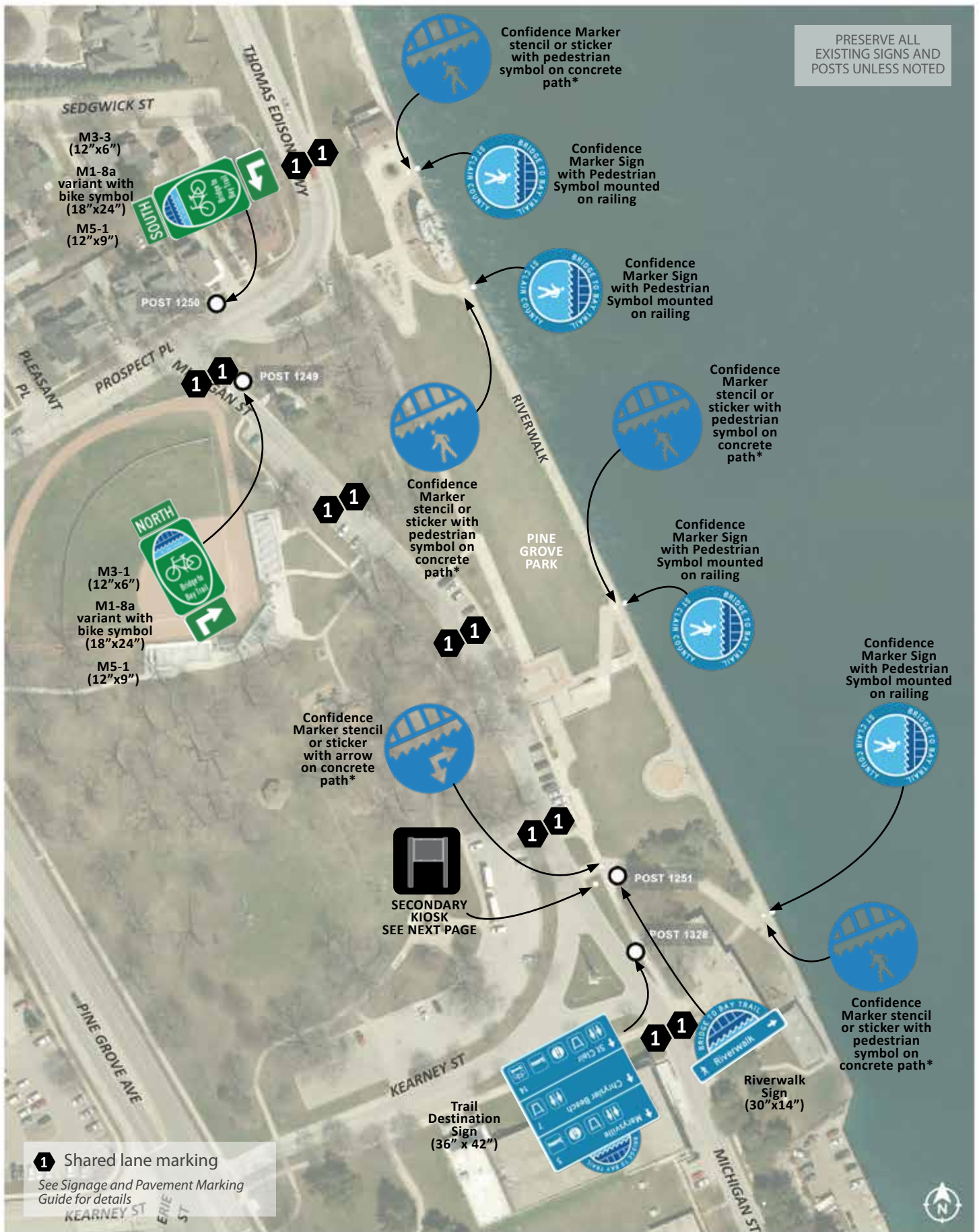
*Option to use 24" stencils or 12" stickers







*Option to use 24" stencils or 12" stickers



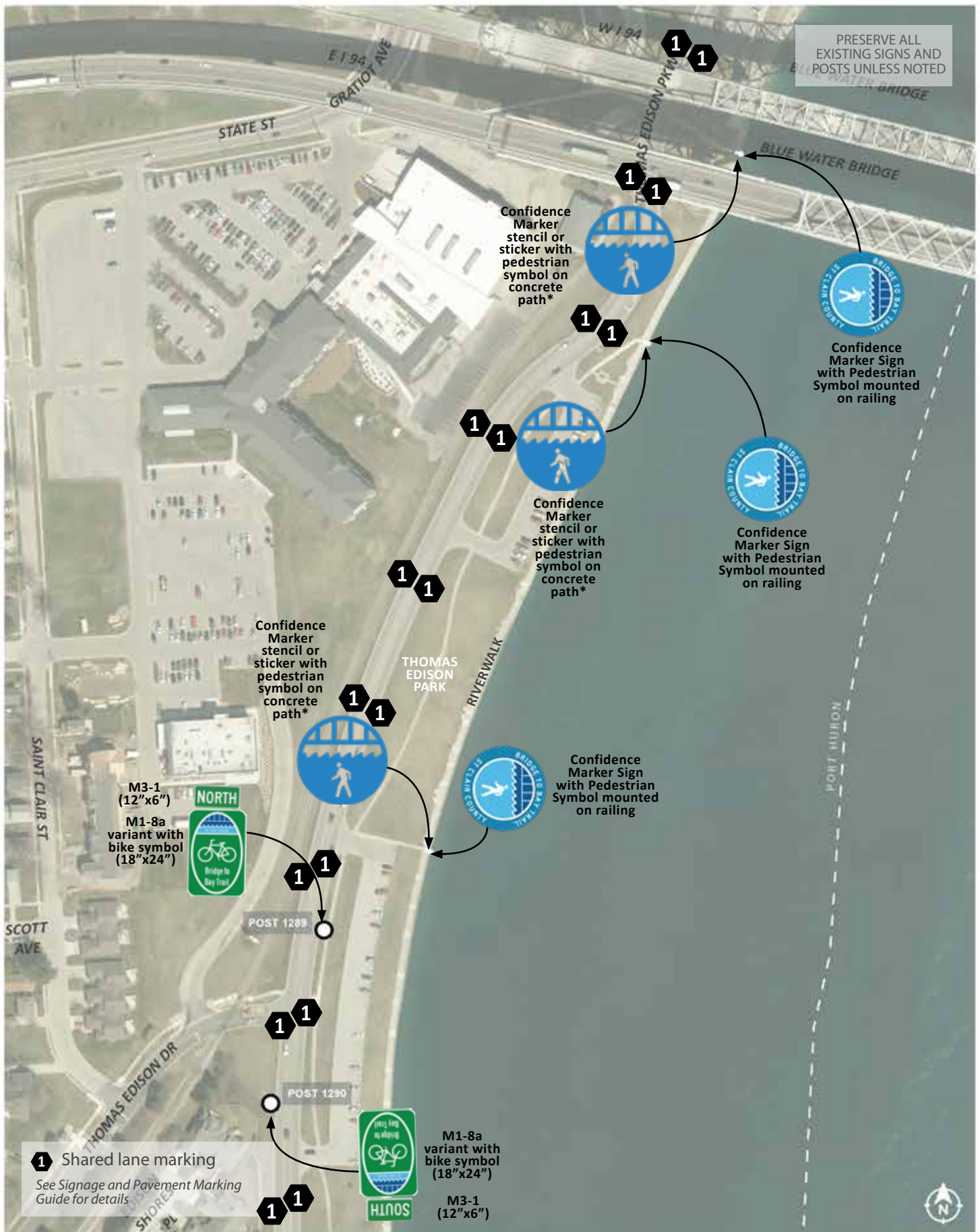
PRESERVE ALL EXISTING SIGNS AND POSTS UNLESS NOTED

Secondary Kiosk at Pine Grove Park

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail Map facing South
- Back of sign: Bridge to Bay Trail Map facing North
- Viewing Surface: Place along pathway or provide a 5' x 5' concrete pad in front of sign. Sign is two-sided and should turn perpendicular to pathway with a 10' x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.



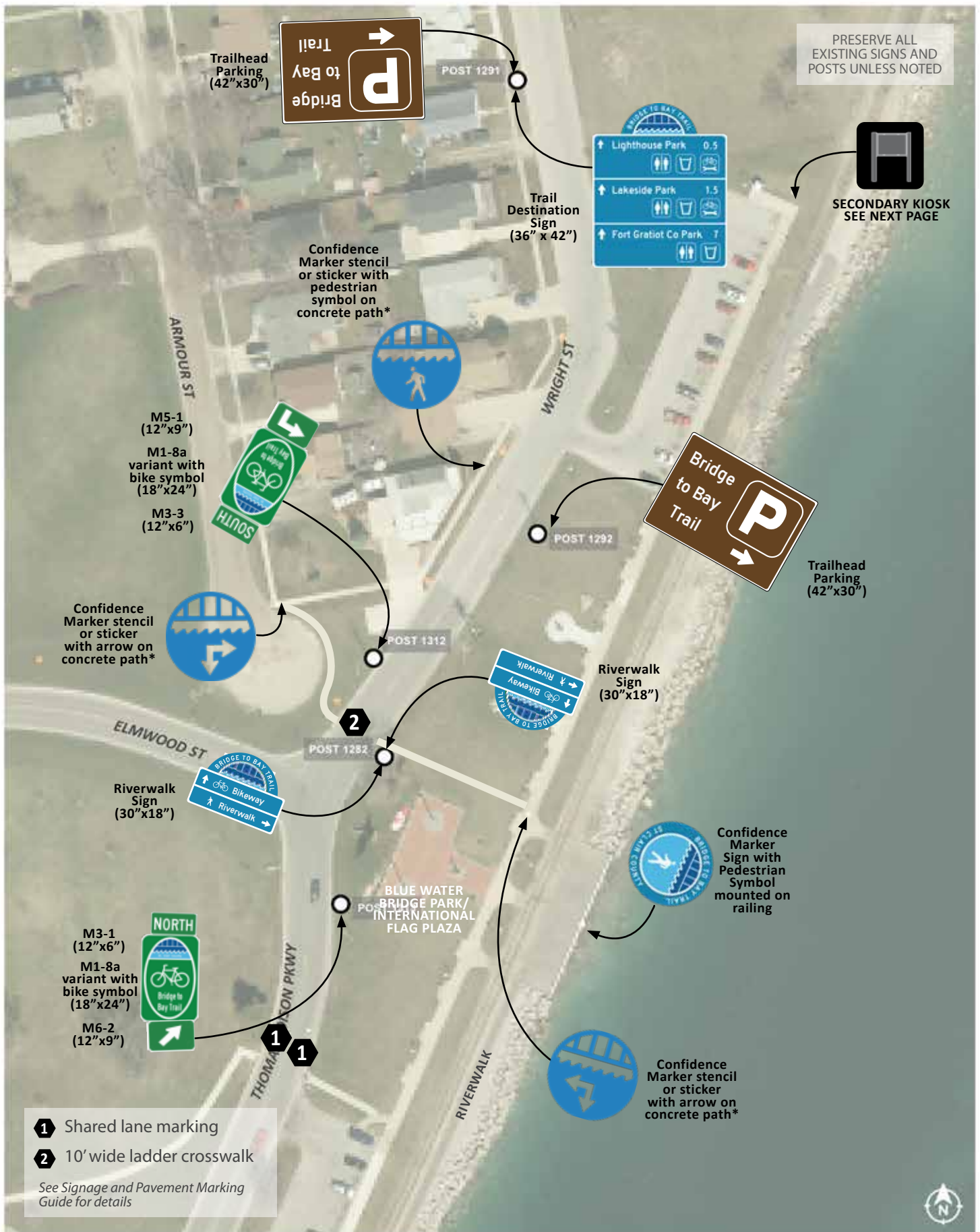
*Option to use 24" stencils or 12" stickers



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"x4")

*Option to use 24" stencils or 12" stickers



Secondary Kiosk at Blue Water Bridge Park

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail Map facing South
- Back of sign: Option to add local information
- Viewing Surface: Place along pathway or provide a 5' x 5' concrete pad in front of sign. If sign is two-sided, turn perpendicular to pathway with a 10' x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.

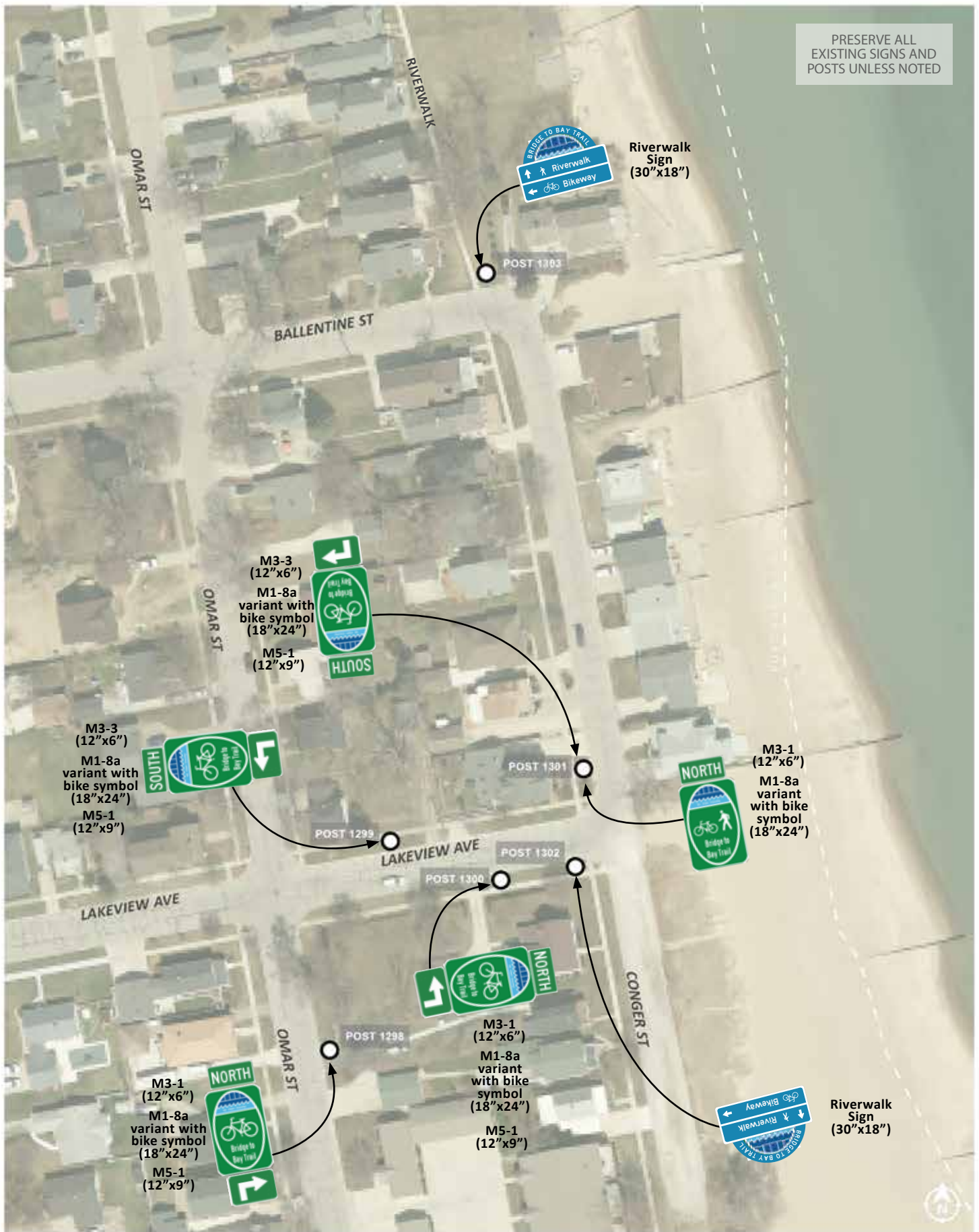


Principal Kiosk at Lighthouse Park

- Large Roofed Sign
- 36" Tall x 48" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Terrabilt 2-Post Classic Kiosk
- Front of sign: Bridge to Bay Trail map with local trail information facing North
- Back of sign: Option to add additional information, such as water trail or other recreation opportunities like the Great-Lake-to-Lake Trail.
- Viewing Surface: Place along pathway or provide a 15' x 6' concrete pad in front of sign. If the sign is two-sided, turn so sign is perpendicular to pathway and a 16' x 10' concrete pad should be installed so both sides of the sign are wheelchair accessible.



PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

Principal Kiosk at Lakeside Park

- Large Roofed Sign
- 36" Tall x 48" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Terrabilt 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.



Web meeting with advisory committee held on October 13, 2020.

Action Items for Near Term Routes

- Where the paved shoulder is designated as a bike route, modify the edge line markings at intersections to be consistent with typical bike lane markings. Specifically, remove radius markings and eliminate paved shoulders to the right of designated right turn lanes.
- Repair topcoat seam on shoulder of M-29/Oakland Ave
- Coordinate with MDOT on road diet on M-29 south of Clinton Ave
- Work with East China Twp to explore options for providing local bike route on S Riverside Ave north of Bree Road as an alternative bike route to M-29 paved shoulders
- Continue seeking funding for planned bikeway on Clinton Street

Responsible Agency:

MDOT

MDOT

MDOT and St Clair

St Clair and East China Twp

St Clair

Kiosk Locations and Trail Parking

- Greig Park - Principal Kiosk and Trail Parking
- St Clair BMX and Skate Park - Secondary Kiosk
- Rotary Park - Secondary Kiosk
- Palmer Park - Principal Kiosk
- St Clair Mall - Trail Parking

Responsible Agency:

St Clair

St Clair

St Clair

St Clair

St Clair

Outstanding Issues

- Seeking permission to use mall near riverfront as a designated Trail parking location

Responsible Agency:

St Clair

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 to be included.

St Clair Sign Schedule

The following pages layout recommendations for signs along the Bridge to Bay Trail in St Clair. 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, this plan notes all pavement markings, whether they are currently existing or not.



Recommendations for the St Clair section include:

2

PRINCIPAL
KIOSKS

1

SECONDARY
KIOSKS

2

DESTINATION
SIGNS

4

TRAIL PARKING
SIGNS

2

SERVICE
SIGNS

17

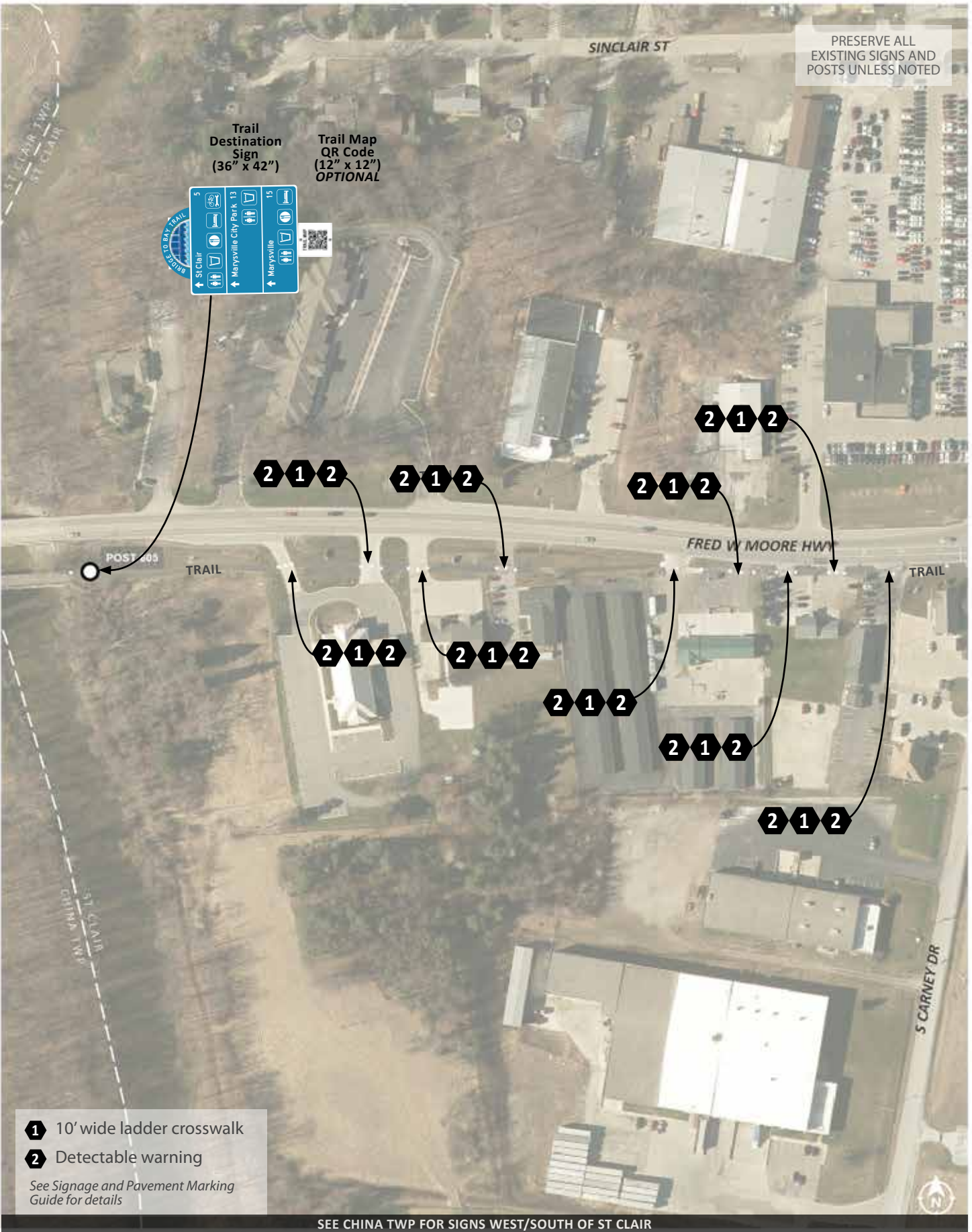
ROUTE
SIGNS

2

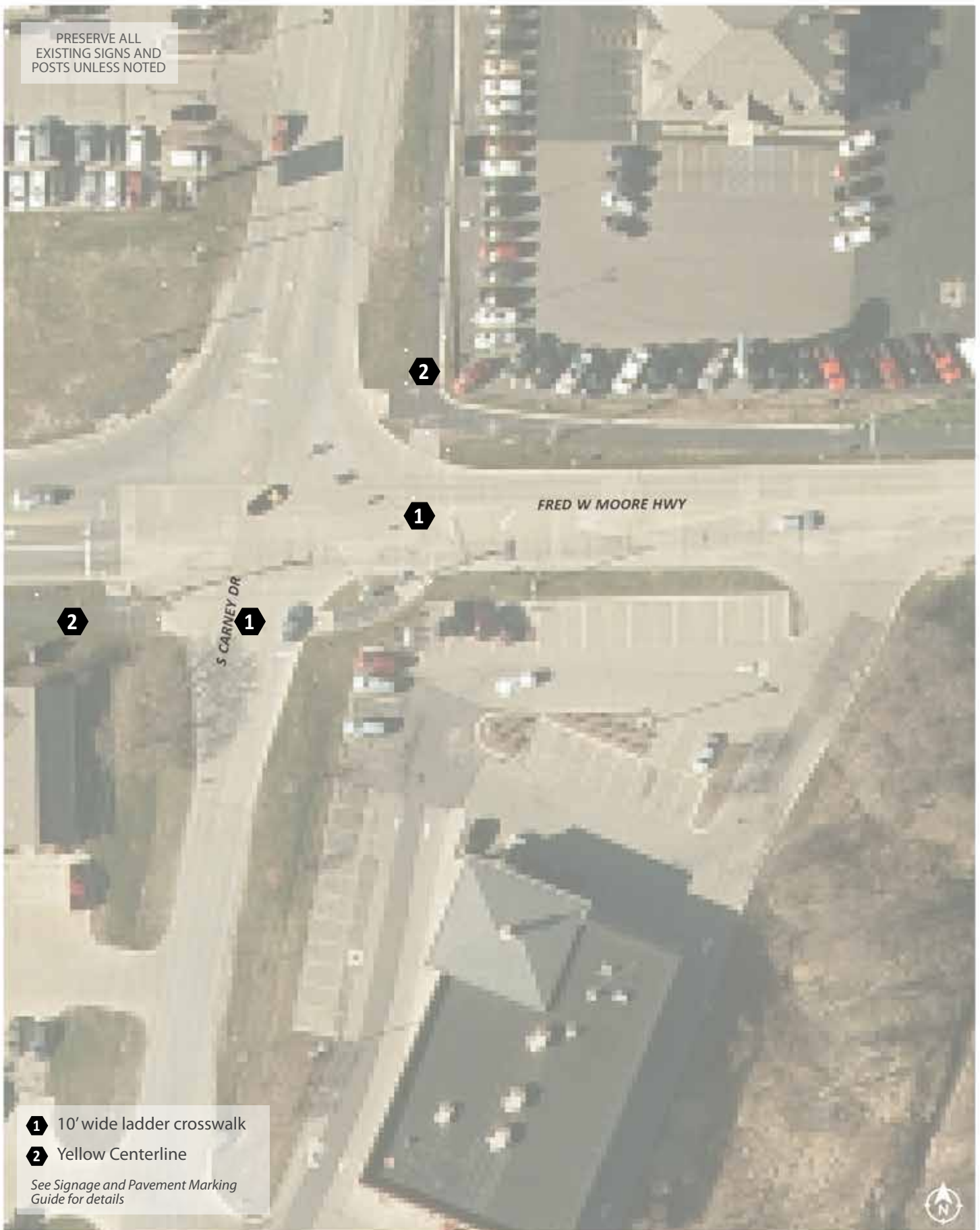
CONNECTING
ROUTE SIGNS

4

STENCILS/
STICKERS



PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



1 10' wide ladder crosswalk

2 Yellow Centerline

See Signage and Pavement Marking
Guide for details

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")



PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

- 1 10' wide ladder crosswalk
- 2 Detectable warning

See Signage and Pavement Marking
Guide for details



REPAIR
LEANING SIGN

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

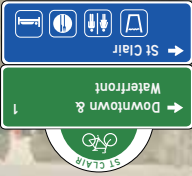
- 1 10' wide ladder crosswalk
 - 2 Detectable warning
- See Signage and Pavement Marking Guide for details

PRESERVE ALL EXISTING SIGNS AND POSTS UNLESS NOTED

PLACE SIGNS ON EXISTING POST, REPLACING DESTINATION SIGN

General Trail Service Sign (36" x 12")

Local Bike Route Sign D1-1a VAR with enhancement marker (30" x 18")



TO REDUCE SIGN CLUTTER AND UNNECESSARY COSTS, AT END OF LIFE THE EXISTING SIGNS SHOULD BE REPLACED WITH THE RECOMMENDED SIGN CONFIGURATION FROM THE SIGNAGE AND WAYFINDING GUIDE FOR SIDEPATH TRAIL CROSSINGS AT CONTROLLED INTERSECTIONS

PLACE SIGNS ON EXISTING POST

M3-1 (12"x6")

M1-8a variant with bike and pedestrian symbol (12"x18")



REMOVE AND DISPOSE "DOWNTOWN DISTRICT" SIGN

Trail Blade Sign (36" x 6") Double sided

ADD TO TOP OF EXISTING POST WITH STREET NAME BLADES



CLINTON AVE

M1-8a variant with bike and pedestrian symbol (12"x18")

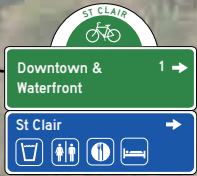
M3-3 (12"x6")



PLACE SIGNS ON EXISTING POST



REMOVE AND SALVAGE "DOWNTOWN DISTRICT 1 MILE" SIGN IN BOTH DIRECTIONS



Local Bike Route Sign D1-1a VAR with enhancement marker (30" x 18")

General Trail Service Sign (36" x 12")

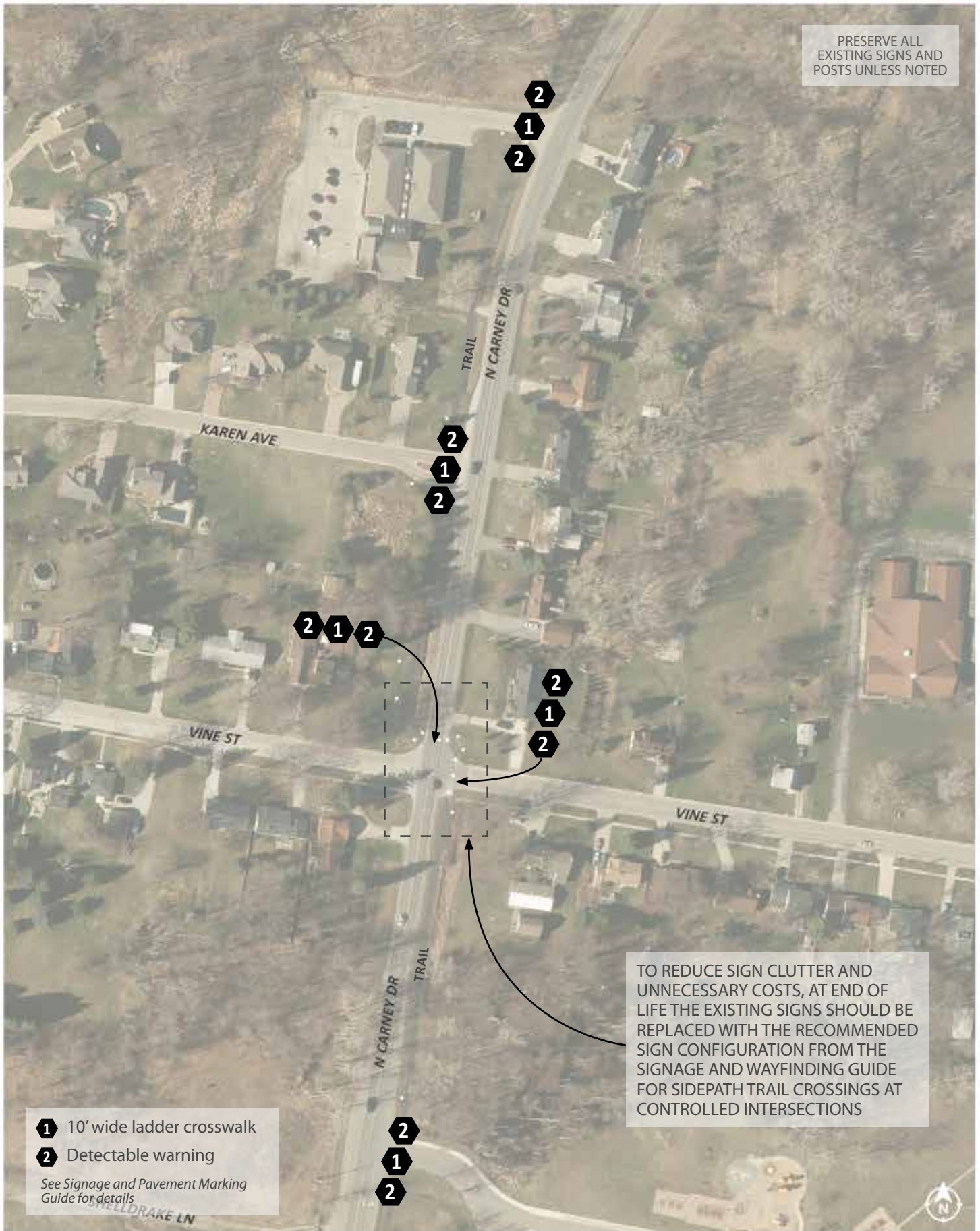
PLACE SIGNS ON EXISTING POST, REPLACING DESTINATION SIGN



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"x4")

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



- 1 10' wide ladder crosswalk
- 2 Detectable warning

See Signage and Pavement Marking
Guide for details

TO REDUCE SIGN CLUTTER AND
UNNECESSARY COSTS, AT END OF
LIFE THE EXISTING SIGNS SHOULD BE
REPLACED WITH THE RECOMMENDED
SIGN CONFIGURATION FROM THE
SIGNAGE AND WAYFINDING GUIDE
FOR SIDEPATH TRAIL CROSSINGS AT
CONTROLLED INTERSECTIONS

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



REMOVE AND DISPOSE OF
EXISTING SIGN AND POST



- 1 10' wide ladder crosswalk
- 2 Detectable warning

See Signage and Pavement Marking
Guide for details

SEE ST CLAIR TWP FOR SIGN WEST OF RANGE ROAD

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

Principal Kiosk at Greig Park

- Large Roofed Sign
- 36" Tall x 48" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Terrabilt 2-Post Classic Kiosk
- Front of sign: Bridge to Bay Trail map with local trail information facing Southeast
- Back of sign: Option to add additional information, such as water trail or other recreation opportunities such as the Great-Lake-to-Lake Trail.
- 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.



PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

TRAIL

S RANGE RD

POST 705

Trail
Destination
Sign
(36" x 42")

Trail Map
QR Code
(12" x 12")
OPTIONAL



Bridge to Bay Trail

Trail Blade Sign
(36" x 6")

ADD TO TOP OF
EXISTING POST,
REPLACING
MARYSVILLE SIGN

COUNTY
JURISDICTION

BIKE ROUTE 20

BROWN ST

TO REDUCE SIGN CLUTTER AND
UNNECESSARY COSTS, AT END OF
LIFE THE EXISTING SIGNS SHOULD BE
REPLACED WITH THE RECOMMENDED
SIGN CONFIGURATION FROM THE
SIGNAGE AND WAYFINDING GUIDE
FOR SIDEPATH TRAIL CROSSINGS AT
CONTROLLED INTERSECTIONS

REMOVE AND
SALVAGE
MARYSVILLE
SIGN
COUNTY
JURISDICTION

- 1 10' wide ladder crosswalk
- 2 Stop bar
- 3 Yellow Centerline

See Signage and Pavement Marking
Guide for details

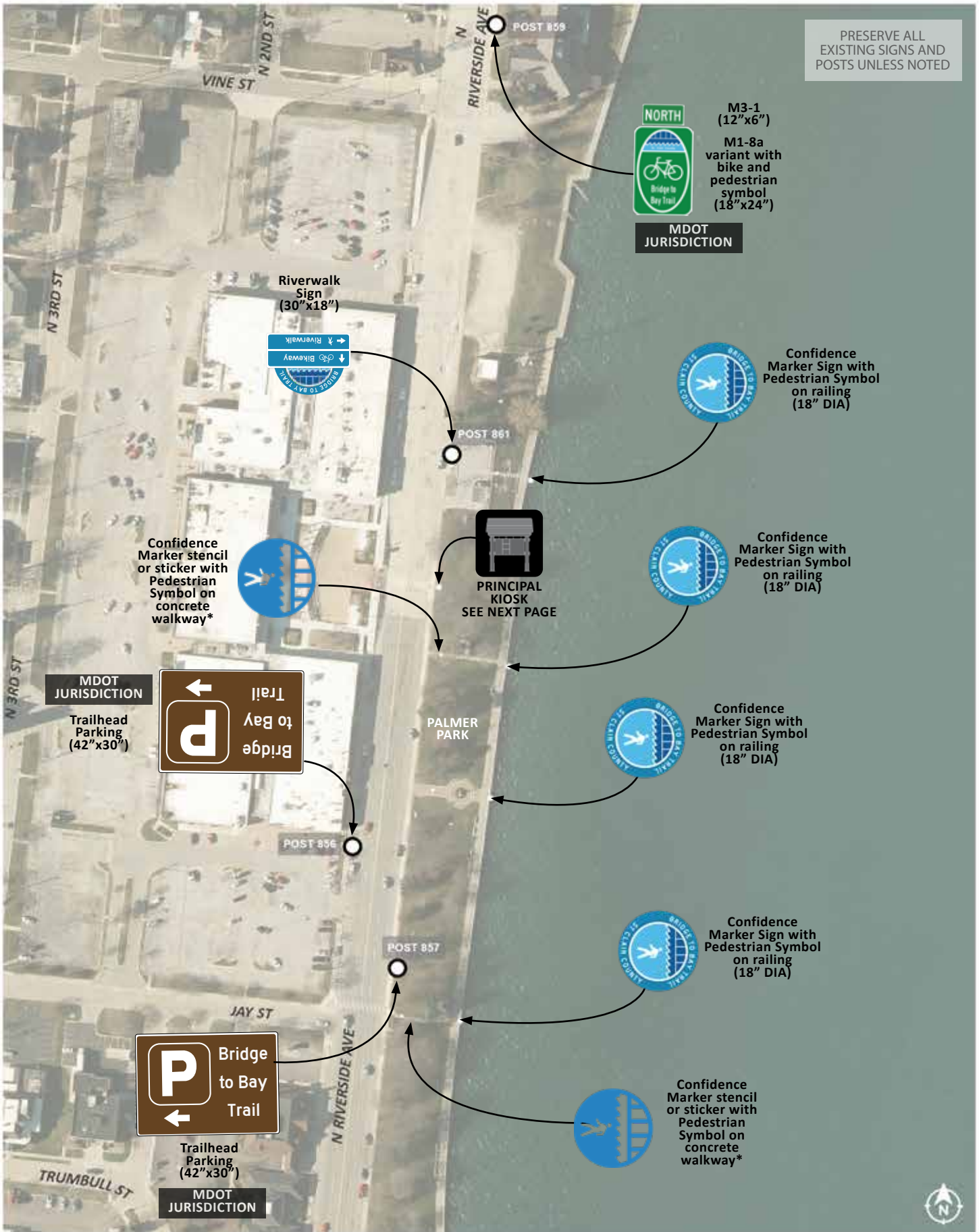
SEE ST CLAIR TWP FOR SIGNS WEST OF RANGE ROAD

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"x4")



PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"x4")

*Option to use 24" stencils or 12" stickers

Principal Kiosk at Palmer Park

- Large Roofed Sign
- 36" Tall x 48" Wide Modular Display Areas
- Single or Double Sided
- Requires Footing
- Terrabilt 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.



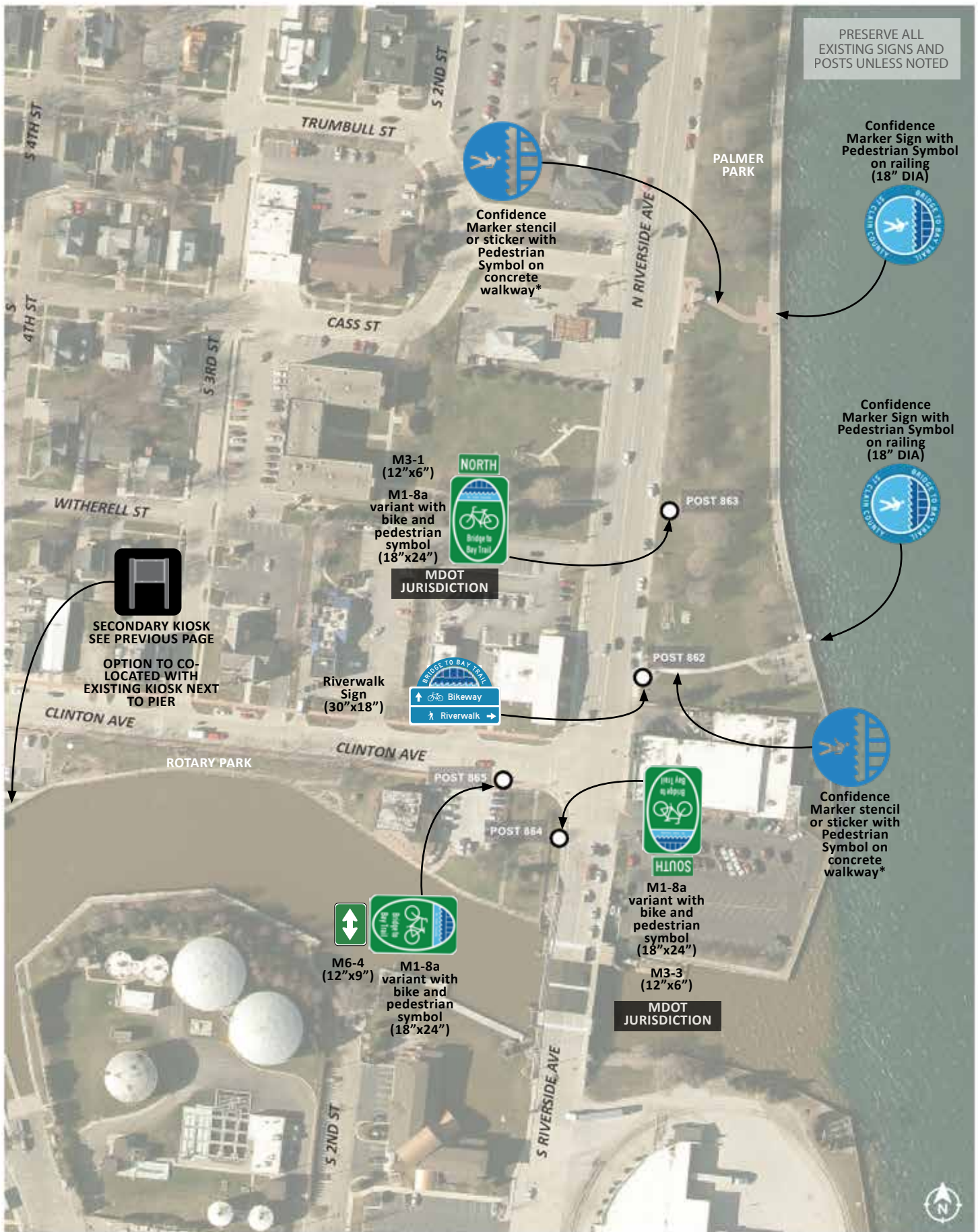
Secondary Kiosk at Rotary Park

- Simple Two Post Sign
- 32" Wide x 36" Tall Modular Display Area
- Direct Embedment of Posts
- Terrabilt Double Post Outboard
- Front of sign: Bridge to Bay Trail Map
- Back of sign: Water trail information
- Viewing Surface: Turn two-sided sign perpendicular to pathway and a 10' x 12' concrete pad should be installed so both sides of the sign are wheelchair accessible.

Coordinate with Kayak Launch improvements and water trail maps, may utilized new kiosk or existing structure



Combined Water Trail / Land Trail Kiosk



PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

Confidence
Marker Sign with
Pedestrian Symbol
on railing
(18" DIA)



Confidence
Marker Sign with
Pedestrian Symbol
on railing
(18" DIA)



Confidence
Marker stencil
or sticker with
Pedestrian
Symbol on
concrete
walkway*



PALMER
PARK

POST 863

POST 862

POST 865

POST 864



M1-8a
variant with
bike and
pedestrian
symbol
(18"x24")

M3-3
(12"x6")

MDOT
JURISDICTION

Confidence
Marker stencil
or sticker with
Pedestrian
Symbol on
concrete
walkway*



M3-1
(12"x6")
M1-8a
variant with
bike and
pedestrian
symbol
(18"x24")



MDOT
JURISDICTION

Riverwalk
Sign
(30"x18")



M6-4
(12"x9")



M1-8a
variant with
bike and
pedestrian
symbol
(18"x24")



SECONDARY KIOSK
SEE PREVIOUS PAGE

OPTION TO CO-
LOCATED WITH
EXISTING KIOSK NEXT
TO PIER

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"x4")

*Option to use 24" stencils or 12" stickers



St Clair Twp

No meetings have taken place with St Clair Township. Recommendations have been verified with Township.

Action Items for Near Term Routes

- Repair trail in construction area
- Work with Marysville to complete connection to River Road; pending Marysville TAP grant submission

Kiosk Locations and Trail Parking

- None planned

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 to be included.

Responsible Agency:

St Clair Twp

St Clair Twp

St Clair Twp Sign Schedule

The following pages layout recommendations for signs along the Bridge to Bay Trail in St Clair Twp. 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, this plan notes all pavement markings, whether they are currently existing or not.



Recommendations for the St Clair Twp section include:

1

DESTINATION
SIGNS

7

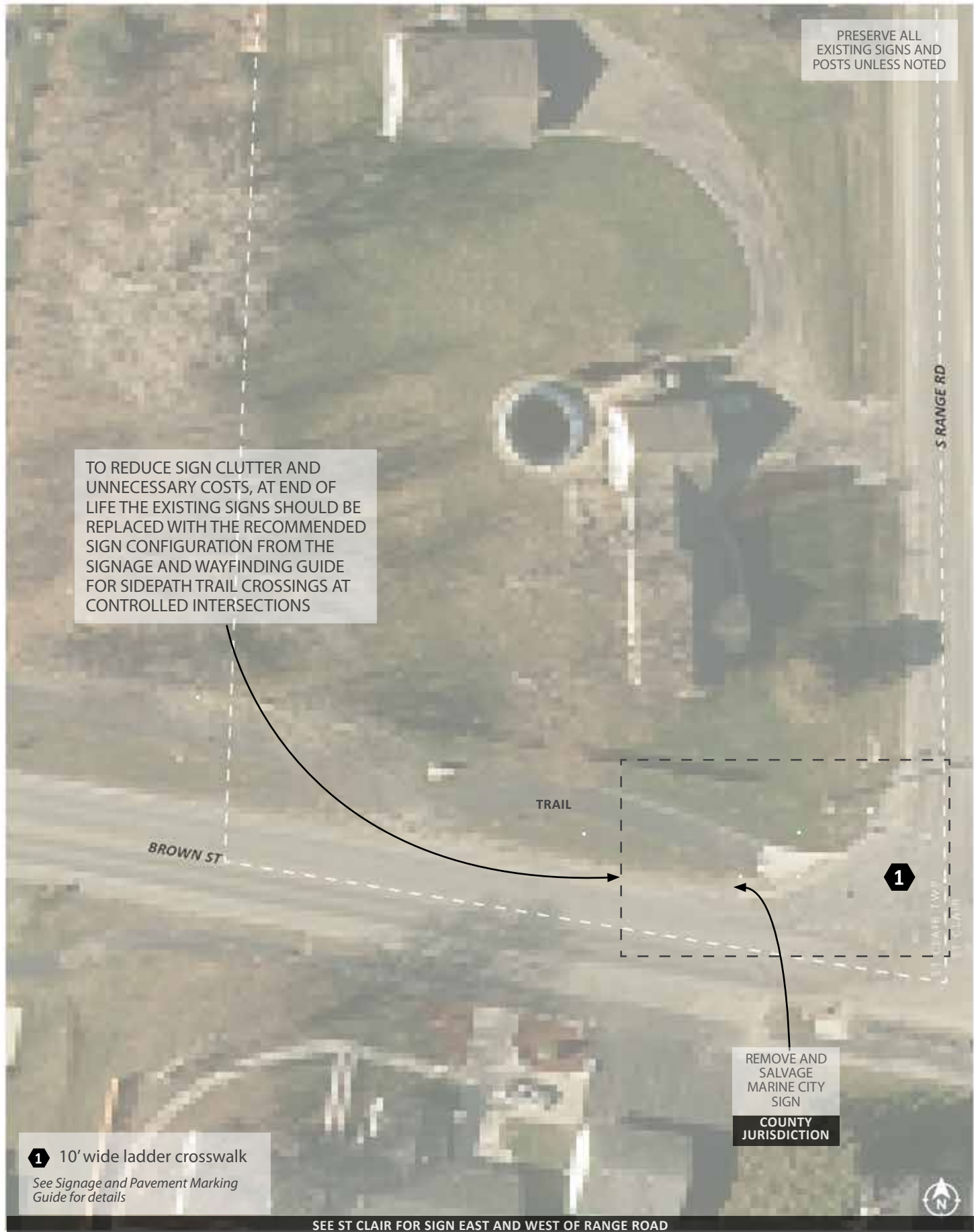
ROUTE
SIGNS

16

REGULATORY/
SAFETY SIGNS

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

TO REDUCE SIGN CLUTTER AND
UNNECESSARY COSTS, AT END OF
LIFE THE EXISTING SIGNS SHOULD BE
REPLACED WITH THE RECOMMENDED
SIGN CONFIGURATION FROM THE
SIGNAGE AND WAYFINDING GUIDE
FOR SIDEPATH TRAIL CROSSINGS AT
CONTROLLED INTERSECTIONS



○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

TO REDUCE SIGN CLUTTER AND
UNNECESSARY COSTS, AT END OF
LIFE THE EXISTING SIGNS SHOULD BE
REPLACED WITH THE RECOMMENDED
SIGN CONFIGURATION FROM THE
SIGNAGE AND WAYFINDING GUIDE
FOR TRAIL CROSSINGS AT MID-BLOCK
INTERSECTIONS

Trail Blade Sign
(36" x 6")

ADD TO TOP OF
EXISTING POST,
REPLACING ST
CLAIR SIGN

Bridge to Bay Trail

REMOVE AND
SALVAGE
MARYSVILLE SIGN

BLACKHEATH RD

REMOVE AND
SALVAGE
MARINE CITY
SIGN

- 1 10' wide ladder crosswalk
- 2 Stop bar
- 3 Yellow Centerline

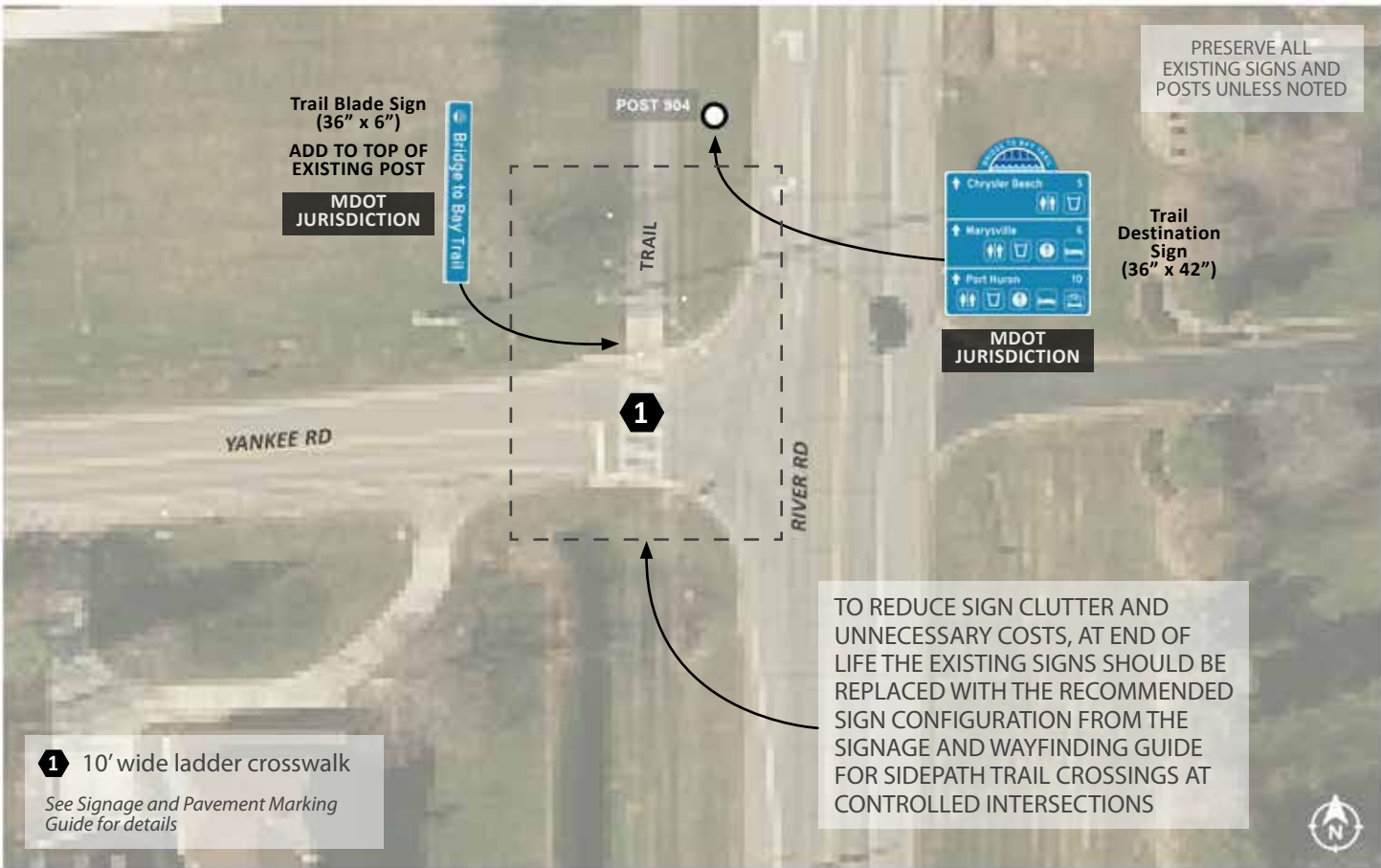
See Signage and Pavement Marking
Guide for details



SEE ST CLAIR FOR SIGNS SOUTH OF ST CLAIR TWP

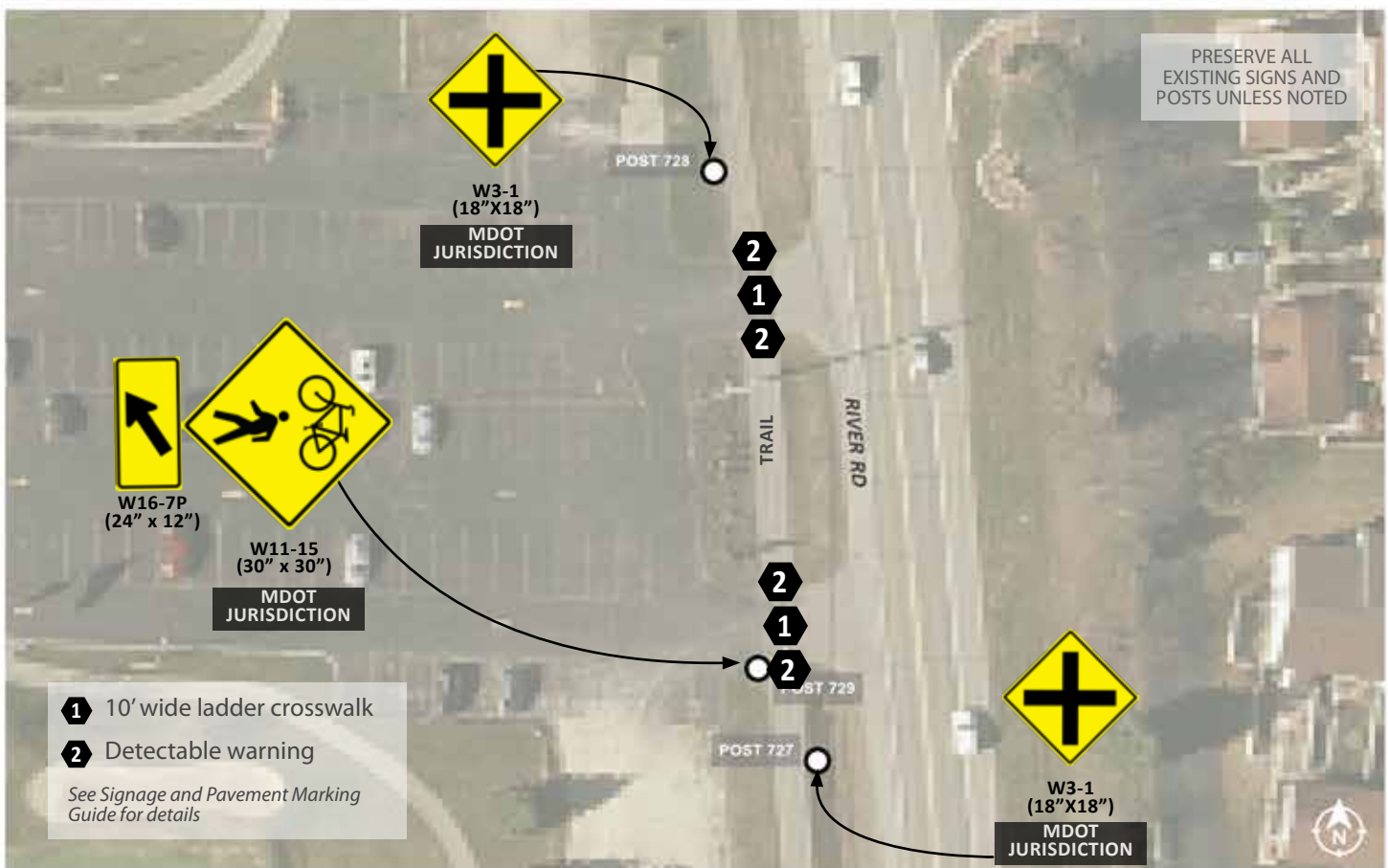
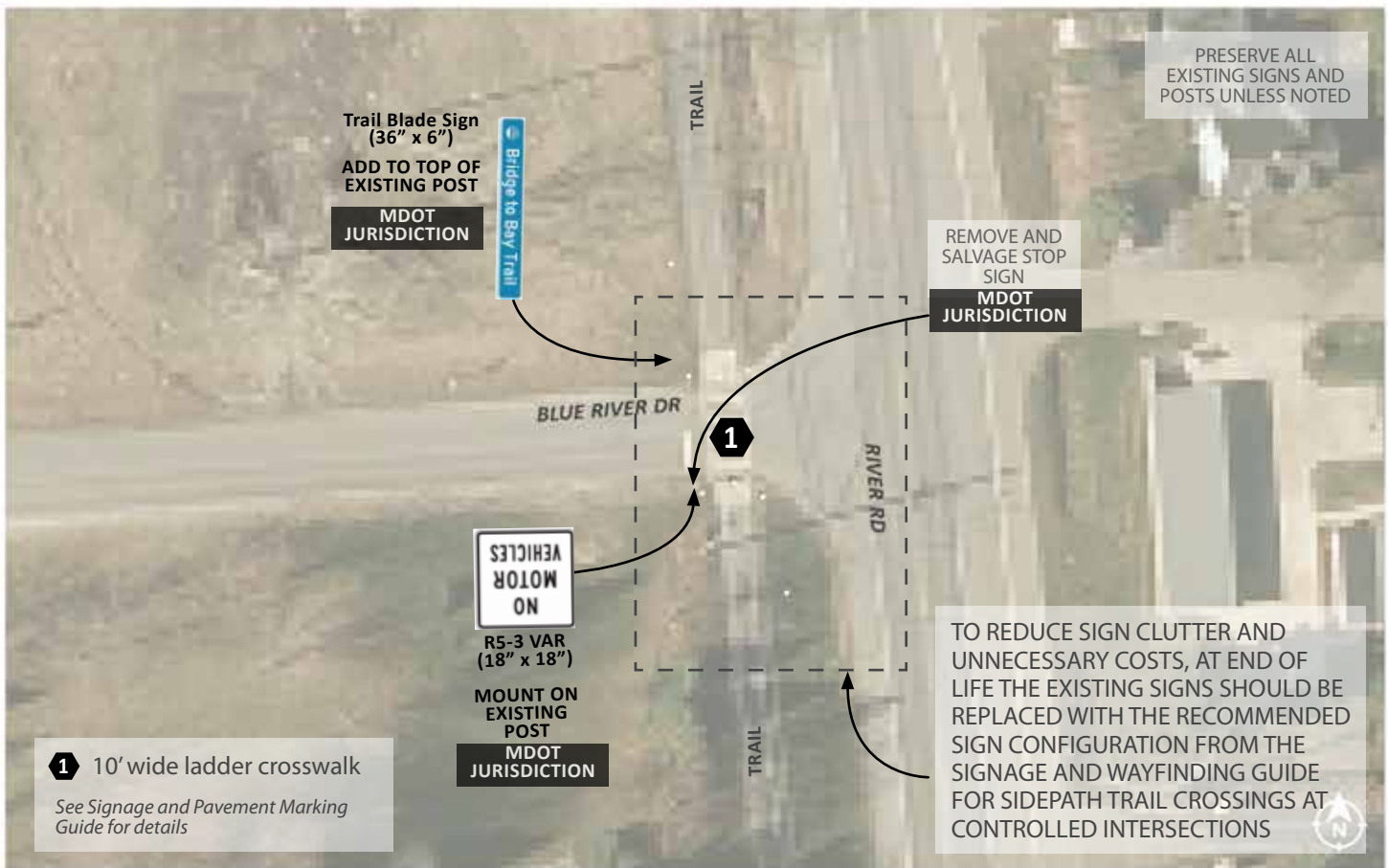
○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")



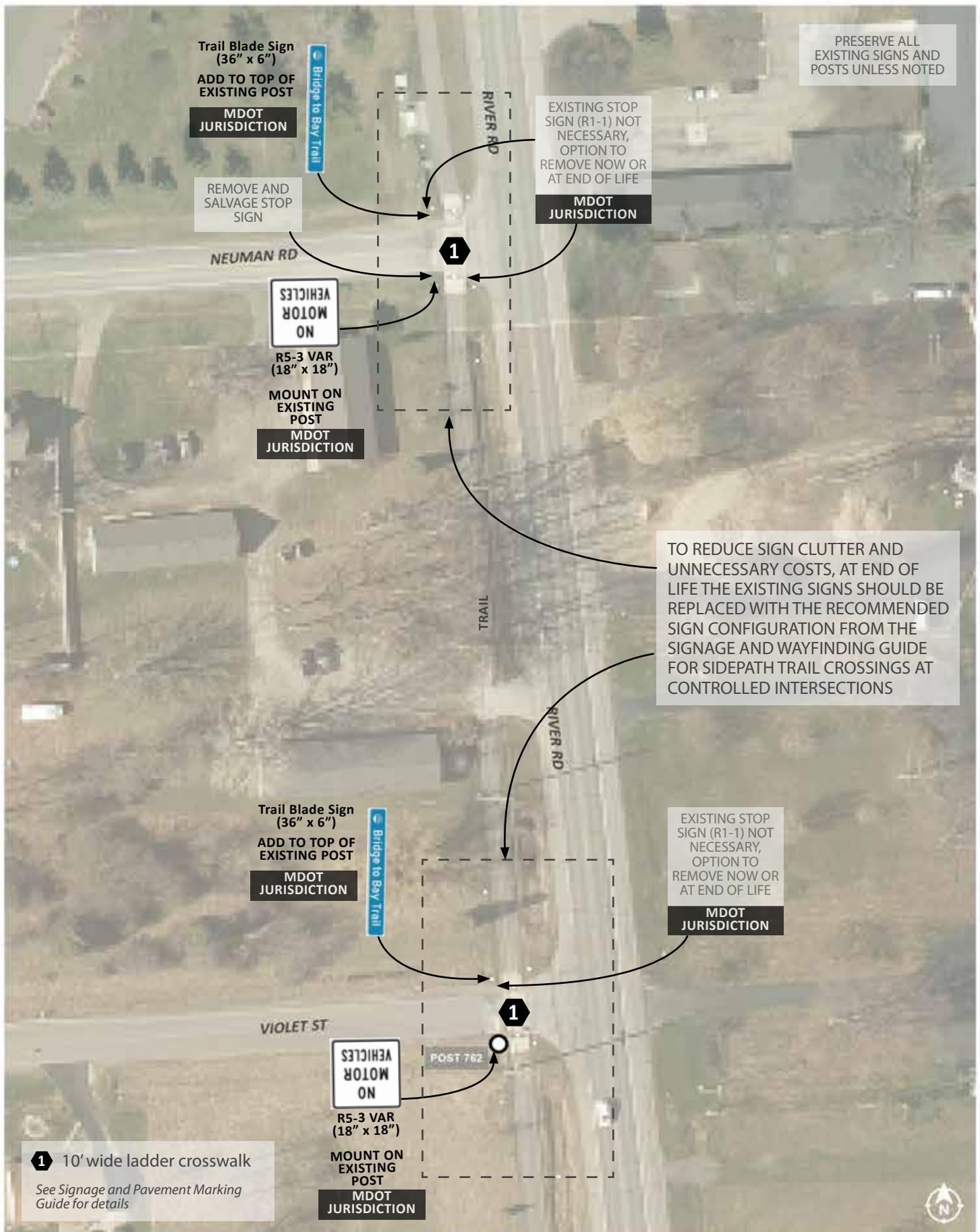
○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")

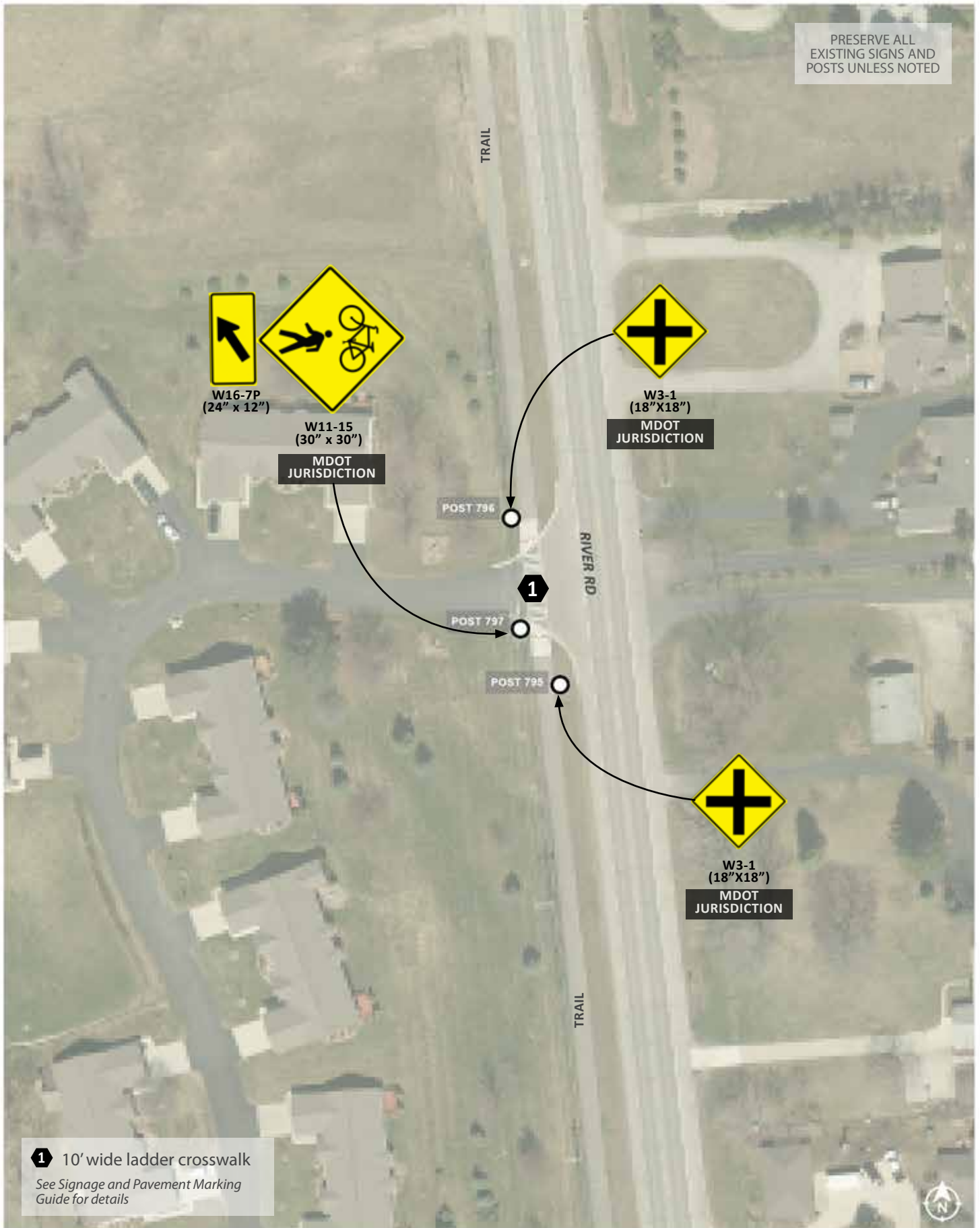


○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"X4")



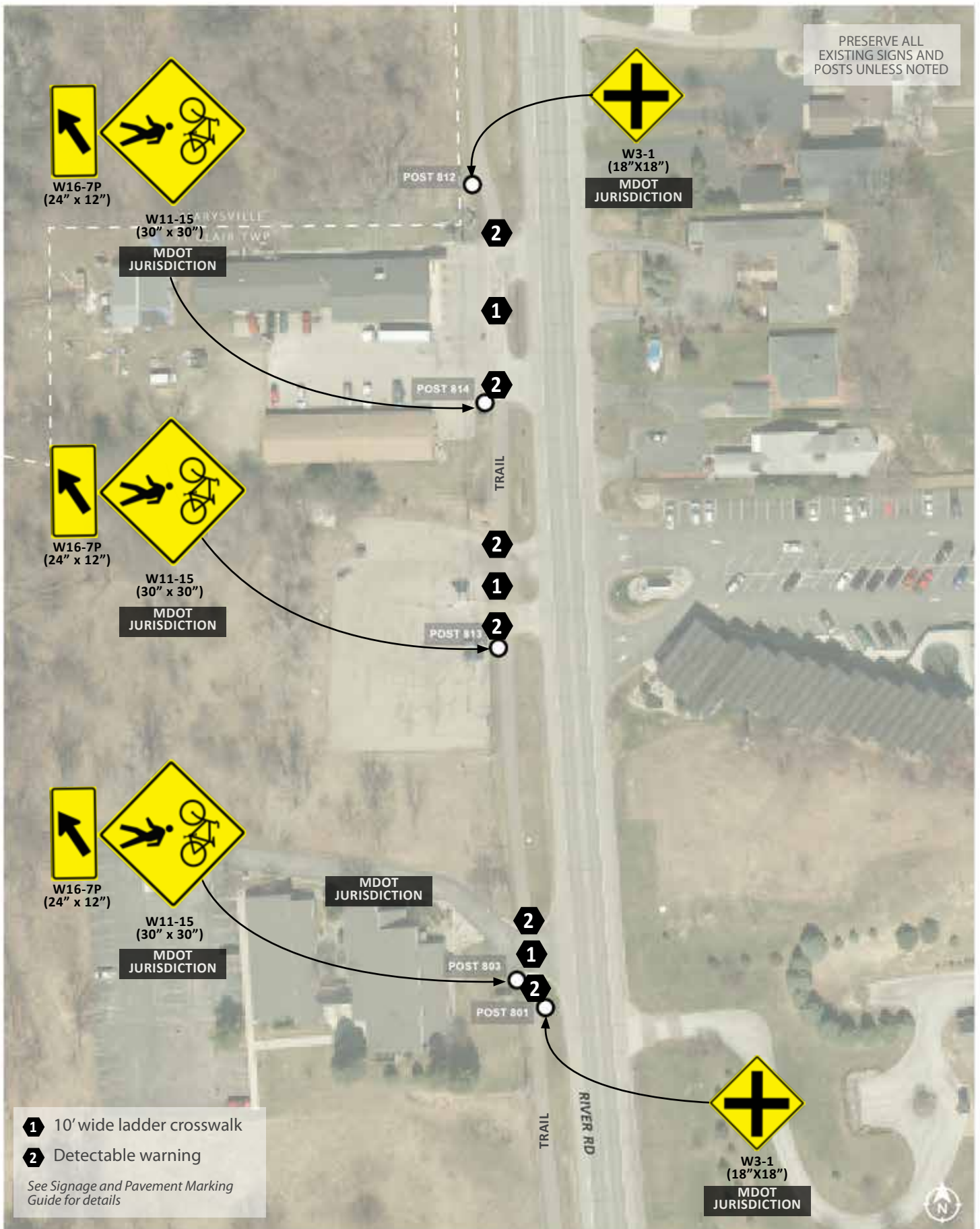
PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



○ BREAKAWAY METAL POST

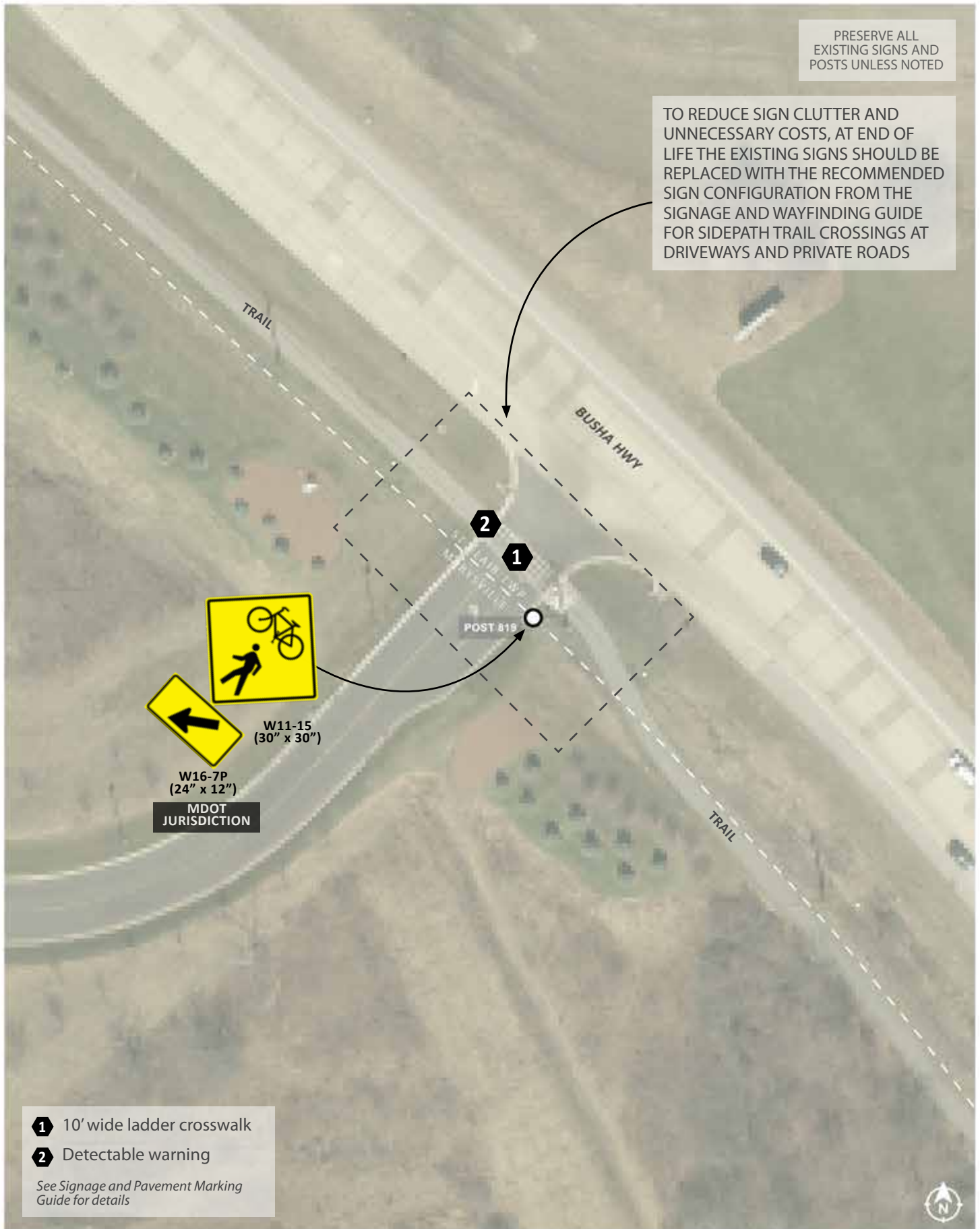
□ COMPOSITE LUMBER POST (4"X4")

PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED



PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

TO REDUCE SIGN CLUTTER AND
UNNECESSARY COSTS, AT END OF
LIFE THE EXISTING SIGNS SHOULD BE
REPLACED WITH THE RECOMMENDED
SIGN CONFIGURATION FROM THE
SIGNAGE AND WAYFINDING GUIDE
FOR SIDEPATH TRAIL CROSSINGS AT
DRIVEWAYS AND PRIVATE ROADS



PRESERVE ALL
EXISTING SIGNS AND
POSTS UNLESS NOTED

SEE MARYSVILLE
SECTION FOR
RECOMMENDATIONS
NORTH OF DAVIS
ROAD



REMOVE AND SALVAGE
EXISTING TRAIL SIGN
AND POST

MDOT JURISDICTION

1



M1-8a
variant with
bike and
pedestrian
symbol
(12"x18")

M3-3
(12"x6")

MDOT
JURISDICTION



M3-1
(12"x6")

M1-8a
variant with
bike and
pedestrian
symbol
(12"x18")

M5-1
(12"x9")

MDOT
JURISDICTION

POST 1428

POST 822



W3-1
(18"x18")

MDOT
JURISDICTION

TRAIL

ST. CLAIR TWP
MARYSVILLE

1 Detectable warning

See Signage and Pavement Marking
Guide for details

SEE MARYSVILLE FOR SIGNS NORTH OF ST CLAIR TWP

○ BREAKAWAY METAL POST

□ COMPOSITE LUMBER POST (4"x4")

