



**County Road Association  
OF MICHIGAN**

# **CRA's seasonal weight restrictions mobile app and Oxcart e-permitting**

Motor Carrier Advisory Board  
March 16, 2023

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*Denise Donohue, CEO*

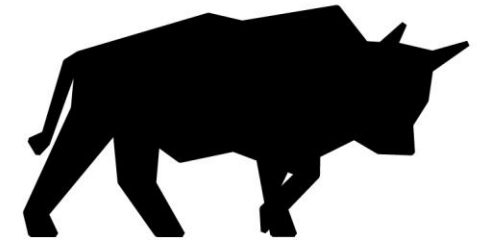
*Ed Noyola, Chief Deputy and Legislative Director  
County Road Association of Michigan*

# CRA introduced e-permitting to Michigan



## Oxcart permit “cloud”

- 24/7, 365 e-access in “cloud.”
- E-pay, e-signature, e-permit.
- Oxcart System (Michigan, Illinois, Indiana, Wisconsin).
- Often 24-hour turnaround.
- Strategic weight limit enforcement.
- Minimal user fees.



**OX CART**  
PERMIT SYSTEMS  
oxcartpermits.com

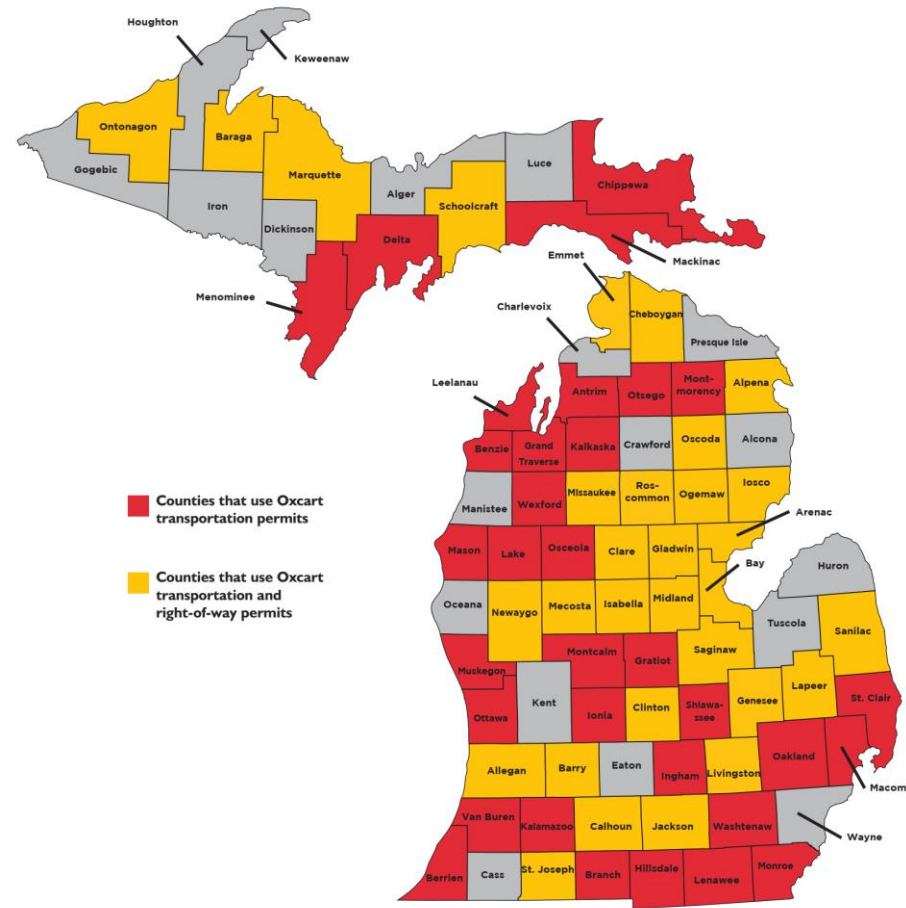


# No-hassle online transportation permits

E-permits available **24/7** online, with **e-signature** and **e-pay**.

**64 counties currently use Oxcart.**

- GIS-enabled features
- Route planning/road restriction features
- CRA has discussed program with Wisconsin DOT.



# What's app? It's free



- Real-time updated **color-coded map**.
- List of **all-season roads**, not just restricted.
- The ability to jump right to **pull permit**.
- Subscribe to be **alerted** when counties make changes in seasonal road status.

**Developed by:** County Road Association of Michigan

**Sponsored by:** Michigan Infrastructure & Transportation Association, Great Lakes Timber Professionals Association

# How do I get it?

- Head to [micountyroads.org/SeasonalWeightRestrictions](http://micountyroads.org/SeasonalWeightRestrictions) for app store links.
- Search “county road seasonal weight restrictions” on your Android or Apple device.

**It's free!**

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and Great Lakes Timber Professionals Association

4,900 downloads!  
209,000 page views!  
Over 3,500 signed up  
for notifications!



A photograph of a winter landscape. The foreground is a snow-covered path leading into a dense forest of trees heavily laden with snow. The sky is a pale, overcast white. A solid blue rectangular box is overlaid on the left side of the image, containing white text.

**Just launched:  
Real-time route  
planning**



# “Real time” route planning

## **New!** Oxcart “route restrictions” feature (called “route solve”)

- CRCs can set unlimited # of dynamic route restrictions.
  - For length, width, height, gross weight, axle weight.
- A county’s pre-set restrictions are dynamically compared to weight/dimension values entered by trucker.
- “Route solve” will pass/ fail selected route in real time.
- Restrictions can be entered as a point (“X”) or as a line covering a road segment(s).

# “Route solve” feature

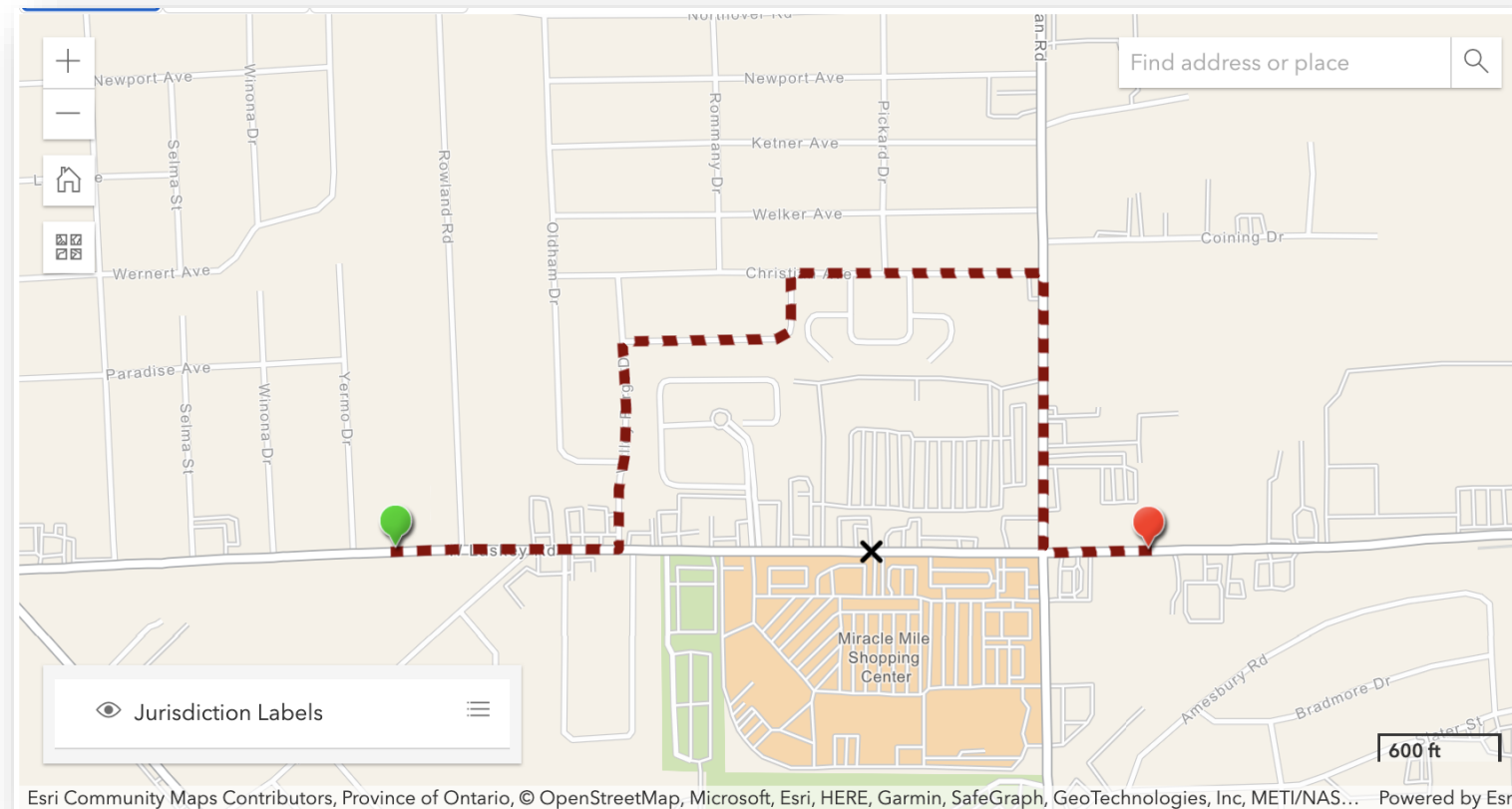


A screenshot of the Esri Community Maps interface. The map shows a street network with a popup window titled "Restriction" overlaid on a road segment. The popup lists various attributes: Max Width, Max Height, Max Length, Max Gross Weight (119,000 lbs), Max Single Axle Weight, Start Date, End Date, and Note. A "Zoom..." option is also present. The map includes a search bar at the top right, a "Jurisdiction Labels" control at the bottom left, and a 600 ft scale bar at the bottom right. The map is powered by Esri and includes data from various sources like OpenStreetMap and HERE.

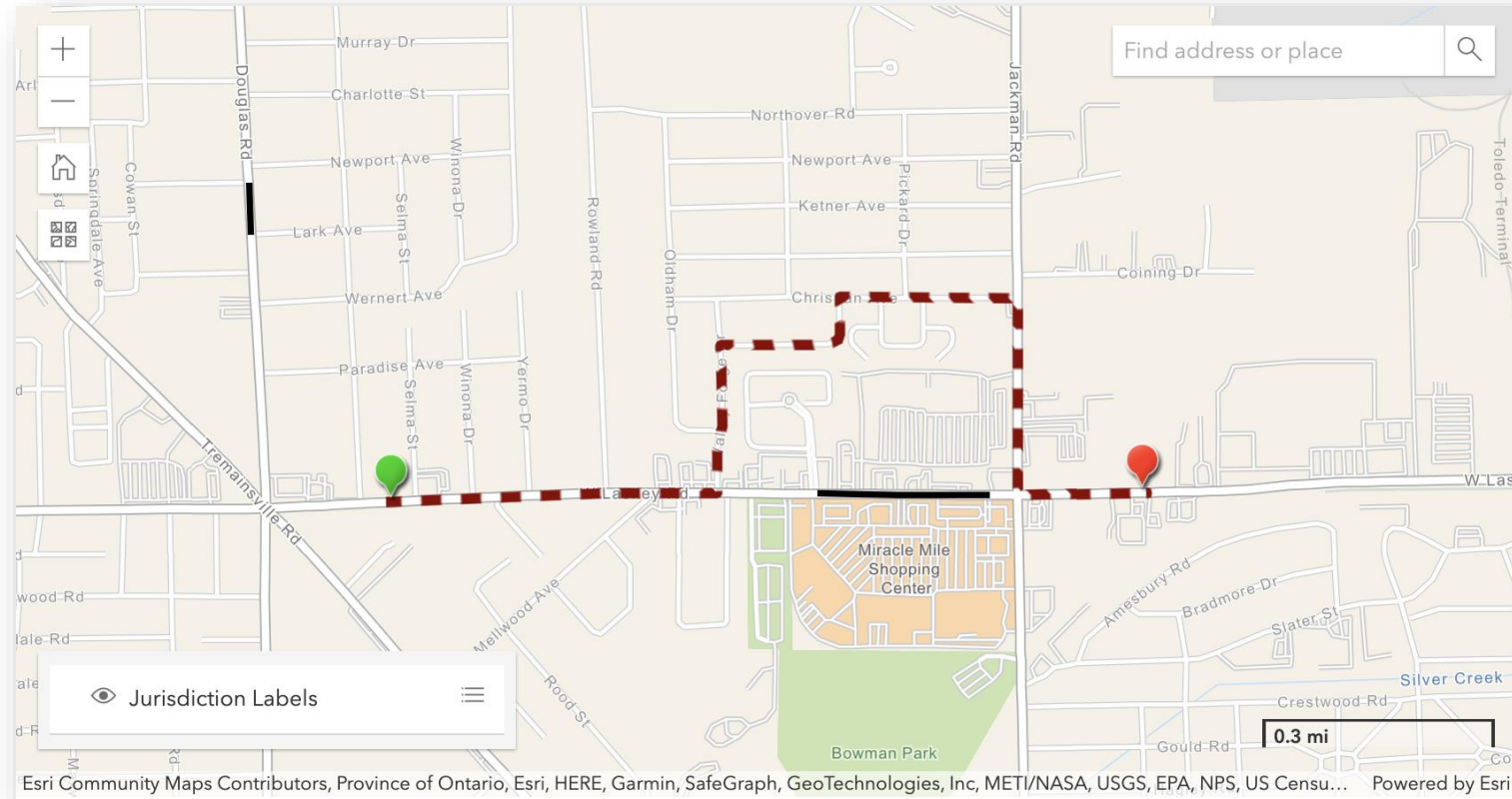




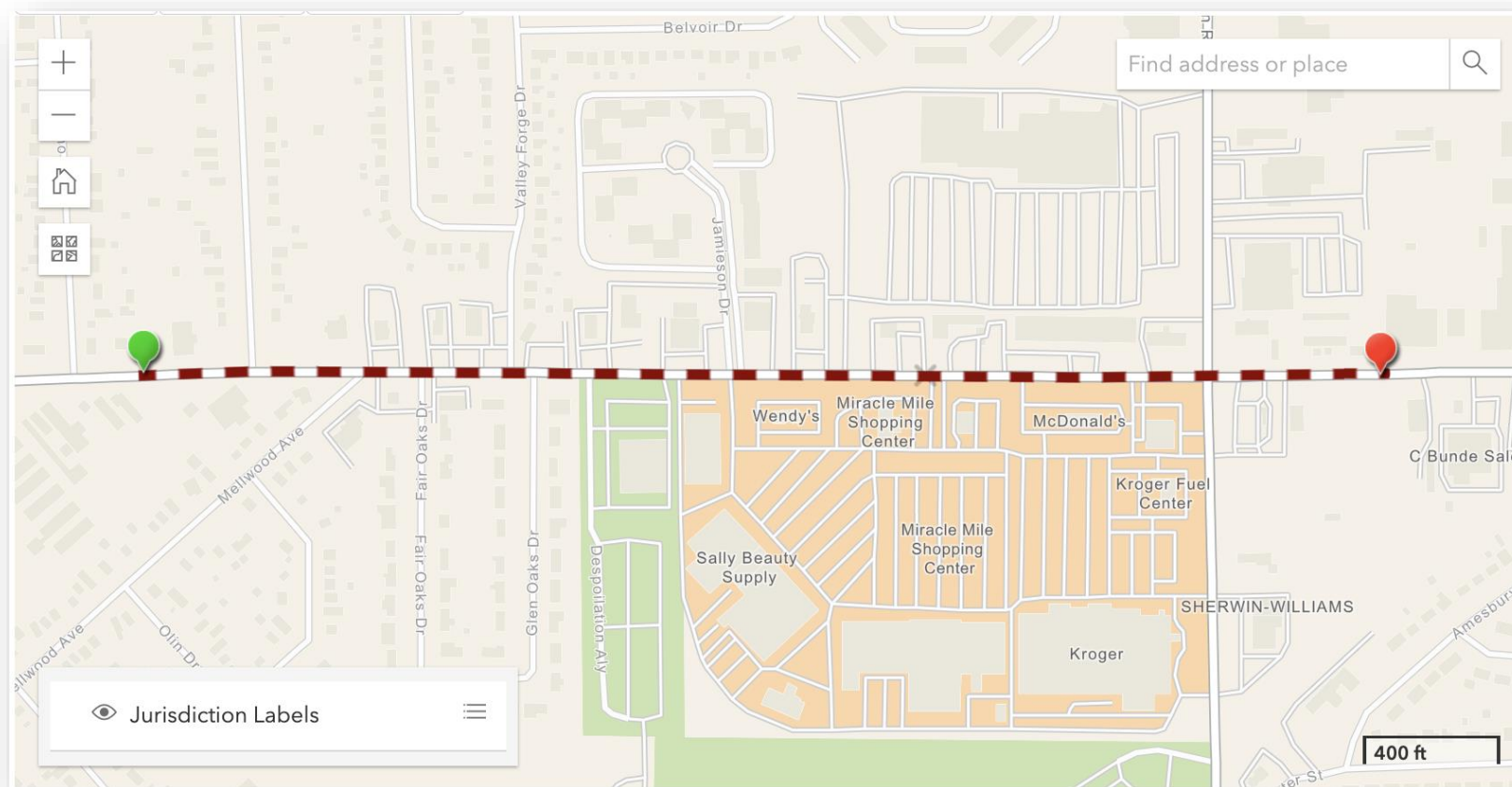
# “Route solve” feature



# “Route solve” feature



# “Route solve” feature



# Newest feature: Seasonal road restrictions



## ***Now connected!*** Seasonal Route Restrictions in Oxcart

- In 2023, Oxcart will launch Seasonal Weight Restriction (SWR) feature.
- Allows MI CRCs to define groups of roads closed to permits or open with limitations for specific time periods.
- SWRs toggled on/off by CRC or by prescribed dates.
- SWRs will be dynamic in the “Route Solve,” uniquely labeled.
- Oxcart did **industry training via webinar in Feb. 2023.**



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# Questions? Thank you!

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