Red Arrow Highway Union Pier Corridor Improvement Project

Presented by Kevin Stack, PE
Berrien County Road Department Interim Director
Red Arrow Highway Corridor Study

LANE RECOMMENDATIONS:

1. 5 Lanes - Warren Dunes State Park South to Sawyer Road
2. 4 Lanes - Sawyer Road South to Chikaming Community Park
3. 3 Lanes - Harbert Road South to North Lakeshore Road
4. 4 Lanes - North Lakeshore Road South to Union Pier City Limit
5. 3 Lanes - Union Pier South to South Lakeshore Road
6. 4 Lanes - South Lakeshore Road South to West Pulaski Highway (US 12)
Red Arrow Highway (RAH) in Chikaming Township and New Buffalo Township from Community Hall Road to Berrien Street and Union Pier Road/Townline Avenue approximately 350 feet west of the RAH intersection
Project Scope

- Road Diet
- Non-Motorized Path
- Storm sewer improvements
- Street Scape
- Trail head
- Pedestrian Control
Project Scope
Agencies Involved

- Berrien County Road Department (BCRD)
- Chikaming Township
- New Buffalo Township
- Michigan Department of Transportation
- The Pokagon Fund
- USDA
- Antero Group
- Wightman
- Kalin Construction
- Galien River Sanitary District Sewer Authority (GRSDS)
- Federal Highway Administration (FHWA)
Target Groups/Beneficiaries

- Local businesses
  - Business owners
- Residents
- Pedestrians
- Cyclists
- Motoring public
Timeline

- 2018: Planning and public outreach
- 2019: Project design
- 2020: Construction began
  - Phase 1: August – Early October
    - Construction along east lanes of RAH
    - Reconstruction of intersection at Union Pier Road
  - Phase 2: Early October – Mid November
    - Construction along west side of RAH
    - Sidewalks and Ramps
- 2021: Project completed
  - Phase 3: Spring 2021
    - Non-motorized path
    - Streetscaping elements
Road “Diets”

“The Federal Highway Administration cites benefits of such road diets being a 19-47 percent reduction of rear-end and left turn crashes through the use of a dedicated left-turn lane.”

“...the estimated number of events requiring reroute from I-94 to this section of Red Arrow Highway is four two-hour events per year. This amounts to eight hours per year or 0.09 percent of the time.”
Distinctive Features

- Streetscaping and reconstruction of the road
  - Including reconstruction of stormwater infrastructure
- RAH road lane reconfiguration
- Sidewalks

- Lighting
- Pedestrian crossing system
- 10 foot wide non-motorized path
- Public restroom facility
- Parking area
**COLOR PALETTE**

- Sea glass colors

**PAVING**

- Main Walkway: Colored Concrete
- Accent Paving: Colored Stamped Concrete, Ashlar pattern in tans with warm tones edge banding and accents of blue and green tiles.

**LAYOUT**

- Planter
- Benches
- Concrete Walkway with Stamped Concrete Accent Areas
- Linear Flush Planter with Rocks

**FURNITURE & PLANTING**

- Table Seating Area
- Pedestrian Pathway
- Non-Motorized Pathway
- Light Post

**UNION PIER STREETSCAPE**
Lane Reconfiguration
New Sewer Installation
Road Reconstruction
Distinctive Features
Public Restroom Facility
## Coordination

<table>
<thead>
<tr>
<th>Funding Sources (Including Trailhead)</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Berrien County Road Department</td>
<td>$1,500,000</td>
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<tr>
<td>MDOT</td>
<td>$900,000</td>
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<tr>
<td>Chikaming Township</td>
<td>$600,000</td>
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<tr>
<td>New Buffalo Township</td>
<td>$725,000</td>
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<td>The Pokagon Fund (via the Township Share)*</td>
<td>$850,000</td>
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<td>USDA Rural Business Development Grant*</td>
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<td><strong>TOTAL (Including Trailhead)</strong></td>
<td><strong>$3,725,000</strong></td>
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2020 CRA IMPRESS Award Collaboration

Berrien County Road Department

Red Arrow Highway Union Pier Corridor Improvement Project

Berrien County Road Department partnered with Chikaming Township, New Buffalo Township, Michigan Department of Transportation, The Pentagon Fund and USDA Rural Business Development Grant, to make the Red Arrow Highway a safer area for pedestrians and the community by reconfiguring the road and inserting pedestrian walkways. Red Arrow Highway was formerly a state highway before I-94 was opened and in recent years has seen business development and increasing pedestrian and intersection traffic growth.
The 50 Best Places to Travel in 2022

From far-flung destinations to hometown favorites, 2022 is the year to get back out there and turn your dream trips into reality.

By Travel + Leisure | December 09, 2021

44. Southwest Michigan

“...Hop on the new pedestrian/bike trail in Union Pier...”
Challenges

- Installation of new sanitary sewer
  - Project fast-tracked by one year
    - Coordination with GRSDS
- Public Input
  - Community members
    - Residents
    - Business Owners
    - Townships
  - Consultants
- Potential Business Impact
  - During construction
  - After construction
  - Parking concerns
Construction During A Pandemic

FOR IMMEDIATE RELEASE

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UPDATE #2 - NEW START DATE FOR RED ARROW HIGHWAY CLOSURE

TOWNSHIP: Chikaming Township & New Buffalo Township

LOCATION: Red Arrow Highway between Community Hall and Berrien Street.

CLOSEST CITIES: New Buffalo, Union Pier, Lakeside

START DATE: Monday, April 20, 2020*
*Project start date updated on 4/1/2020

ESTIMATED END DATE: Prior to Memorial Day 2020
What Is The Plan?

2019

2020 & 2021

2022

2023

2024

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Questions?
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