# VOLUME 2 5-YEAR PROSPERITY PLAN SOUTHWEST MICHIGAN PROSPERITY REGION



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RPI 2014 & 2015

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Region 8 Asset Inventory

The Regional Prosperity Initiative (RPI) grant offered us a unique opportunity to work together as a 7-county region to identify our strengths and to lay out a course to promote prosperity in southwest Michigan. In our second year as a Collaborative, the partners of Region 8 were determined to continue on the path to building trust and familiarity, aligning shared assets, and establishing the foundation for a longterm working relationship. We are proud of the progress made in the allocation of funds toward action focused on the prosperity of Region 8.

Our successes this year in gaining participation in the process by an expanded partnership and working as a region to both select and fund projects that are important to the success of the region can be attributed to the hard work of the Collaborative in Year 1 to meet the objectives of a new and evolving initiative and the persistence in Year 2 to 'keep the ball rolling'.

The Collaborative believes in the premise of empowering locals to drive economic investment. We also believe that this investment will lead to greater quality of place and increase business and talent attraction in our region. We understand that when leaders in the business development, talent development and infrastructure development communities unite, a comprehensive regional economic development strategy can be realized.

The Region 8 - RPI Collaborative commits to continuing our work of regional collaboration to ensure that available resources are targeted where they will have the greatest impact possible for job creators and residents.

Respectfully,

Ben Damerow. Chair Region 8 – RPI Collaborative Michigan is an economic success story that would not be possible without collaboration by public, private and nonprofit sectors. Our shared accomplishments during the past two years underscore the need to work in partnership toward a common vision of economic prosperity. That is the goal of Governor Rick Snyder's Regional Prosperity Initiative.

- Regional Prosperity Initiative Website

There are many anecdotal examples from around the nation (and the world) where university and community college partnerships were critical to the successes of regional economic development projects... (including relationships with workforce development entities and knowledge-based businesses).

The biggest challenge for regions is to get all of the stakeholders to the table and talking with each other on a monthly basis....

Regional Reinvention in Michigan, Planning & Zoning News

#### 2014 REGIONAL PROSPERITY INITIATIVE

- . . . signed into law as part of the FY 2014 budget (59 PA 2013)
- ... a voluntary competitive grant process offered to existing State Designated Planning Regions and Metropolitan Planning Organizations
- . . . designed to encourage local private, public and non-profit partners to create vibrant regional economies

## 2014 - Region 8 qualified and received funding as a Regional Prosperity Collaborative and successfully met the Tier 1 requirements of the RPI

- . . . Must include regional representatives from adult education, workforce development, economic development, transportation, and higher education organizations.
- . . . Must develop a 5-Year Regional Prosperity
  Plan - and adopt the Plan by a 2/3 vote of
  the Collaborative Committee.
- ... Must develop a performance dashboard and annual measurable goals.
- . . . Must meet standard accountability and transparency requirements.

#### **Additional 2014 Achievements:**

- . . . **Timeliness:** Completed the Tier 1 requirements by the grant established deadline
- . . . Accountability/Transparency: Well-attended and documented monthly meetings by the Collaborative Committee
- . . . Collaboration: A significant and tangible move from January through December toward thinking and acting as a single entity
- ... **Energy:** Unanimous support of the 5-Year Prosperity Plan and a Year 2 plan of action

### RPI 2014 & 2015

2015 - Region 8 qualified and received funding to continue as a Regional Prosperity Collaborative for a second year. Having already met the Tier 1 requirements for both 2014 and 2015, the following Year 2 work plan was initiated:

- . . . Expand participation in the Collaborative;
- . . . Formalize the structure of the Collaborative for decision-making;
- . . . Provide greater detail to adopted regional goals/opportunities;
- ... Adopt action strategies and select/fund specific projects for each Plan goal;
- . . . Expand the regional asset inventory;
- ... Upgrade the regional dashboard in alignment with recently established parameters.

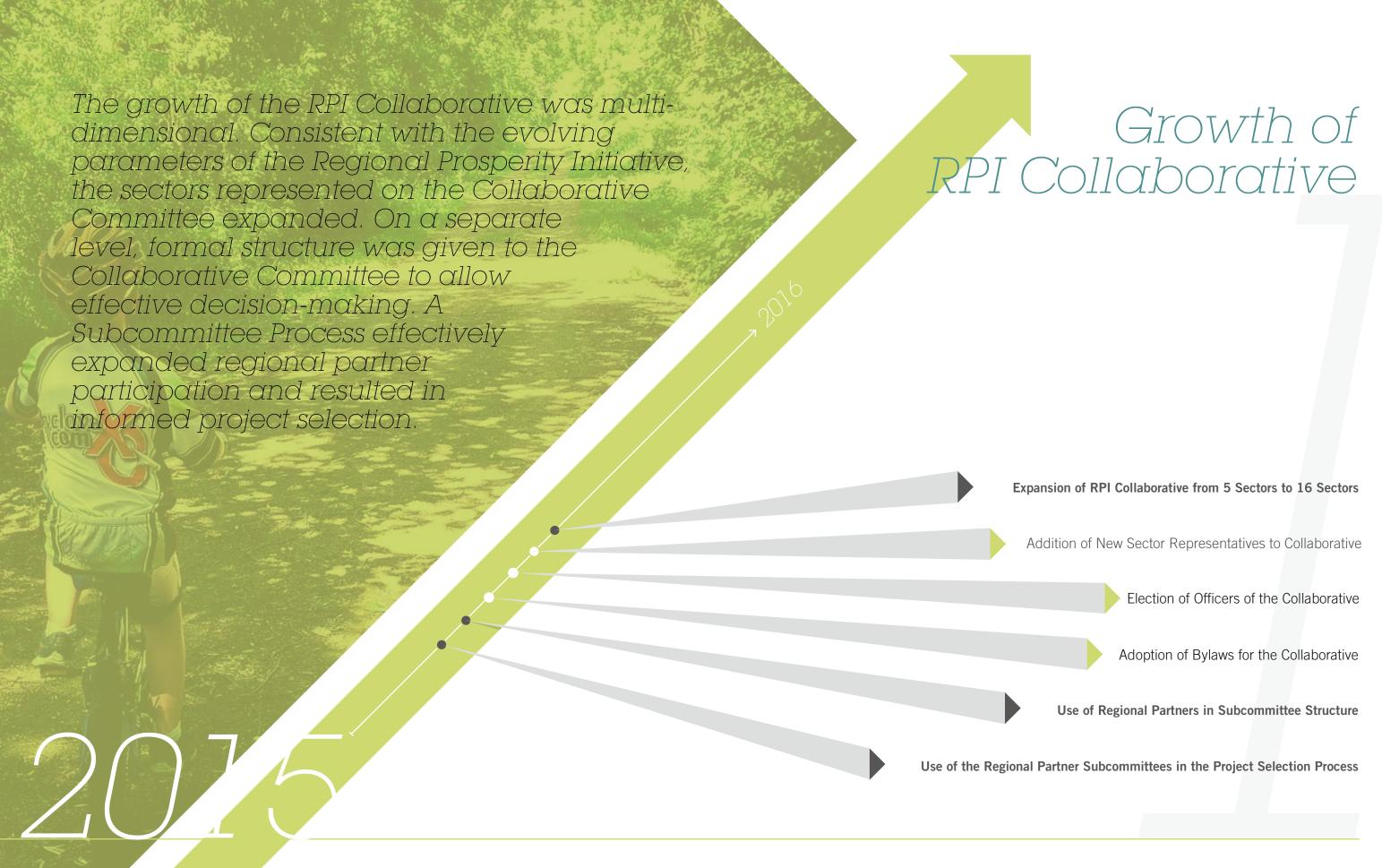
#### 2015 REGIONAL PROSPERITY INITIATIVE

- . . . a boilerplate section was added by the legislature to 252 PA 2014 to guide the Regional Prosperity Initiative into the future
- .. Section 890 largely maintains the requirements of the program, with updated requirements for previous grant recipients
- . . . authorizes the DTMB to implement an application process and method for grant distribution



## Year of Accomplishments ASSET INVENTORY Beyond the required deliverables of the 2014 grant, Region 8 moved deliberately through 2015 with a focus on collaboration and targeted action that resulted in a year of progress and achievement. Our Vision: Southwest Michigan is recognized as a region where successful, thriving, and innovative people 5-YEAR PROSPERITY PLAN · VOLUME 2





## Expansion of RPI Collaborative

The Collaborative Committee was active in the partnership expansion effort and fully supported the Subcommittees' role in the decision-making process.

#### **EXISTING** SERVICE SECTORS

**Adult Education Economic Development Higher Education MPOs** Transportation Workforce Development

#### **ADDED SERVICE SECTORS**

Air Transportation

**Emergency Management** Foundations Health Care K-12 Education Local Government Logistics (Freight) **Private Business** Rail Transportation Regional Planning Agency

Career and Technical Education

### Committee

SERVICE SECTOR	NAME	ORGANIZATION
Adult Education	Michael Evans Lynn Johnson Juanita Miller	Kalamazoo Literacy Council Bangor Adult Education Centreville Public Schools
Economic Development	Jill Bland Jan Frantz Vicki Pratt	Southwest Michigan First Battle Creek Unlimited Cornerstone Alliance
Higher Education	Barbara Craig Luann Harden Jan Karazim	Bertrand Crossing Campus, Lake Michigan College Western Michigan University Southwest Kellogg Community College
Transportation	Dennis Berkebile Jason Lathham	Kalamazoo County Road Commission Michigan Department of Transportation – Southwest Region
Workforce Development	Ben Damerow Todd Gustafson	Michigan Works! Southwest Berrien-Cass-Van Buren Michigan Works!/Kinexus
МРО	Pat Karr Jon Start	Battle Creek Area Transportation Study Kalamazoo Area Transportation Study
SMPC SWMPC	Ron Reid Richard Remus	SMPC Board SWMPC Board

### Subcommittees

COMMUNITY DEVELOPMENT	EDUCATION	INFRASTRUCTURE	RPI STRATEGIES
Corey Carolla Barbara Craig Jason Latham Juanita Miller Richard Remus Jon Start Greg Vaughn	Kim Bell Jill Bland Dave Campbell Barb Craig Ben Damerow Michael Evans Luann Harden Mike Hoffner Jan Karazim Pam Kingery Becky Rocho Jennifer Searls Linda Snyder	Dennis Berkebile Jan Frantz Lynn Johnson Jan Karazim Pat Karr Ron Reid	Corey Carolla Barbara Craig Luann Harden Jason Latham Richard Remus

### RPI Goal Development Project Identification **Project Area Project Area** Definitions Prioritization and Refinement **RPI SECTOR** PROSPERITY COMMITTEE **PROSPERITY PARTNERS** COMMITTEE Develops RPI Goals Suggests potential and Opportunities Determines final priorities project areas Community Development Education Infrastructure **RPI Strategies RPI SUBCOMMITTEES RPI SUBCOMMITTEES** Refines goals and Develops project area priority opportunities recommendations

## RPI Partner / Subcommittee Process

**Project RFPs** 

**Project Selection** and Implementation

#### **RPI STAFF**

Solicits Letters of Interest from potential vendors

#### **RPI STAFF**

Vets LOIs and solicits RFPs

#### PROSPERITY COMMITTEE

Reviews recommendations and selects projects for funding and implementation

RPI **SUBCOMMITTEES** 

Reviews proposals and recommends projects

#### **POTENTIAL VENDORS**

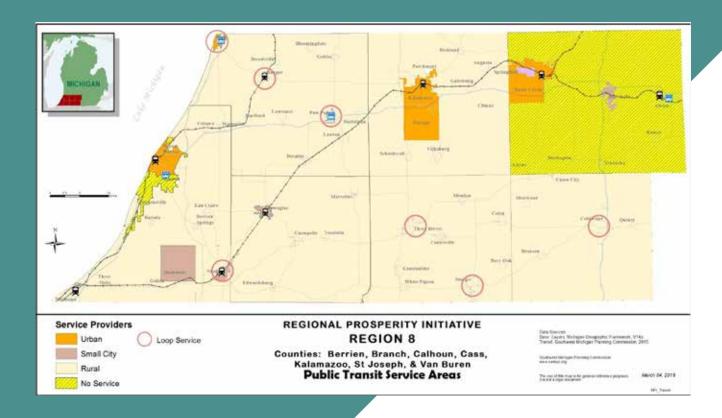
Letters of Interest

#### POTENTIAL **VENDORS**

Submits proposals

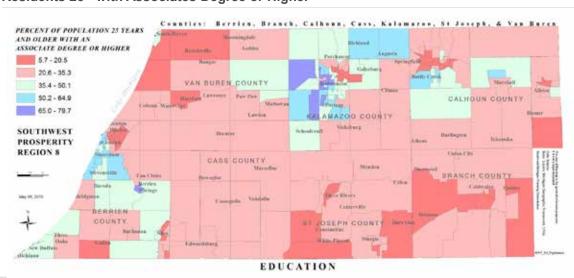


Representative asset maps related to Community Development, Education, and Infrastructure are presented. The complete Regional Asset Inventory compiled to date is set forth in the Appendix of this Plan.

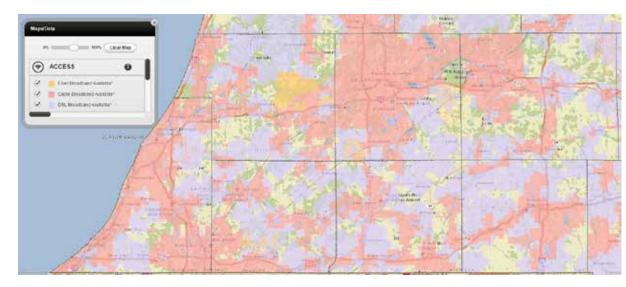


## Representative Asset Maps

#### **Educational Attainment** Residents 25+ with Associates Degree or Higher

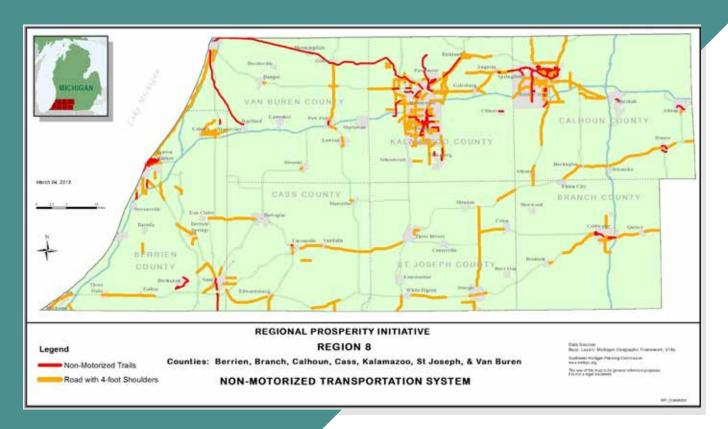


#### **Broadband Availability by Type**



The inventory of the non-motorized transportation system within Region 8 provided the foundation for a project proposal for regional trail support.

The inventory of educational attainment of residents 25+ years of age within the region drove a project proposal for a region-wide literacy initiative.



#### **PROJECT:** Kalamazoo River Valley Trail Extension

Construct 8 miles of non-motorized trail in Kalamazoo County, which will connect 35th Street in Galesburg to Battle Creek and complete the 30 mile long KRV Trail.

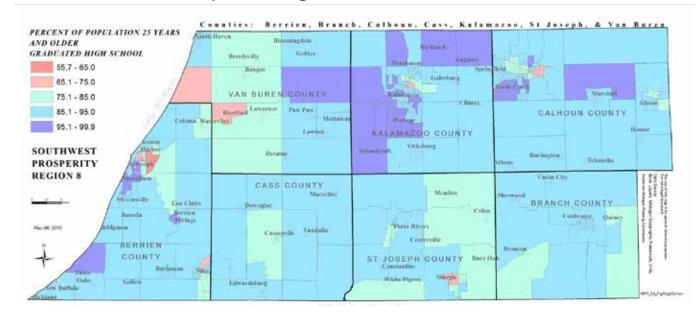
## Asset Maps/ Projects







#### **Educational Attainment** Residents 25+ with H.S. Diploma or Higher



#### **PROJECT:**

#### **Southwest Michigan Community Literacy Initiative**

Strengthen literacy services on a regional level; better align instruction practices toward workforce development and adult education outcomes; and, establish a system of support to sustain the infrastructure for literacy services in the Region.



The Subcommittees provided depth and expertise in the refinement of the goals and opportunities set forth in the Prosperity Plan – Volume 1.

## Updated Goals/ Opportunities

#### **COMMUNITY DEVELOPMENT**

Improve the livability of our region's communities to attract and retain talented workers

### 1. Create a more diversified transportation system

- Create walkable neighborhoods
- Encourage new transportation patterns that support efficient multi-model transportation options
- Support community development that is transit-oriented

### 2. Encourage development of additional recreational opportunities and amenities

- Encourage the development of additional public spaces in urban, suburban, and rural environments
- Promote existing and support development of new trails and natural areas (e.g., parks, recreation areas, rivers, and lakes)

## 3. Encourage increased access to housing options regarding density, cost, style and location

- Facilitate a region-wide Target Market Analysis to gain better data to support 'missing middle' housing development
- Support education of developers and financiers regarding housing and demographic trends and community objectives
- Support education of community leaders regarding redevelopment programs, land use and zoning techniques, and enforcement options to maintain housing stock

#### 4. Support sustainable development

- Develop infrastructure that can be sustained financially and environmentally over the long term
- Maintain or improve environmental quality

#### **EDUCATION**

Promote talent development and retention to encourage growth and sustainability in all facets of the local economy

## 1. Promote accessibility and opportunities to participate in education and skilled training programs

- Tailor programs to market demands
- 2. Encourage a larger number of internships and apprenticeships across the region and across the continuum of learners
- Establish a regional clearinghouse and website that publicizes and provides links to internship/ apprenticeship opportunities
- Support the creation and maintenance of an inventory of internship/apprenticeship opportunities
- Support programs that connect interns to job opportunities

#### 3. Encourage a culture of learning

- Provide opportunities for all learners
- Encourage, and promote the personal and regional economic benefits of, lifelong learning
- Promote digital literacy
- 4. Encourage infrastructure development and interconnectivity to better support education, training, and employment
  - Increase mobility: transit and non-motorized
  - Increase access to technology: broadband and access to equipment

### 5. Support work of existing organizations in the following areas:

- Adult education
- Credential acquisition
- Career exploration
- Functional literacy
- Skilled trades
- Employers







## Updated Goals/ Opportunities

#### **INFRASTRUCTURE**

#### Encourage expansion and improvement of regional infrastructure

### 1. Advance the effective and efficient transportation of goods

- Support regionally impactful infrastructure opportunities for the movement of freight (e.g., completion of US-31, US-131 BR/US-131 Interchange Upgrade, three lanes of traffic on I-94 through the region)
- Recognize intermodal freight transportation opportunities (e.g., rail transportation, reliever port for Chicago and Detroit)
- Promote maintenance and improvement of the freeway system and connecting roads
- Promote maintenance and improvement of state and local roads
- Encourage aviation to better support business
- Take advantage of our existing water infrastructure along the Lake Michigan shoreline for the transportation of freight (e.g., freight harbors on Lake Michigan)

### 2. Assist in cultivating a comprehensive telecommunication system

- Promote region-wide access to telecommunications (broadband, cellular)
- Encourage improved speed and quality of telecommunications infrastructure

### 3. Advance the effective and efficient transportation of people

- Promote maintenance and improvement of the existing freeway system and connecting roads
- Encourage passenger rail as a viable transportation option for inter and inner regional movement
- Encourage aviation to better support passenger transportation
- Promote coordination of regional mass transportation (e.g., use existing transportation asset inventory)
- Promote non-motorized transportation options

## 4. Explore and promote a sustainable and economically competitive approach to energy supply

- Promote competitive reliability and cost of energy
- Promote a diversified and sustainable energy portfolio

### 5. Facilitate a collaborative approach to municipal infrastructure

- Promote coordinated administration of regional water and sewer infrastructure to achieve competitive rates
- Encourage coordinated water and sewer infrastructure planning

#### **RPI STRATEGIES**

#### Advance regional communication and collaboration

#### 1. Further RPI organizational development

- Establish bylaws
- Examine membership and structure
- Connect sectors via communication, collaboration, and information sharing
- Establish RPI as clearinghouse (network versus an extra step)
- Create regional brand, identity, and image
- Establish criteria for addressing policy issues

### 2. Encourage collaboration among public and nonprofit sectors

- Develop or replicate organizational collaboration model for Region 8 to meet needs in a cost-efficient way
- Develop a platform for regular information sharing among the five sectors (learn what others are doing; process for regular information sharing meetings)
- Encourage coordinated strategic asset management across all seven counties
- Explore tribal strategies
- Collaborate on state and federal grants and projects to ensure projects are shovel-ready (e.g., letters of support)
- Encourage emergency management at a regional level

### 3. Strengthen the interface between the Regional Prosperity Plan and local plans

- Develop a model for creating plans that fit within the regional strategy
- Align with state and federal agencies to inform them about RPI goals
- Encourage individual municipal strategies are tied to the regional prosperity plan (including planning)

The Subcommittee Process was at the heart of the









## Priority Project Areas

#### **COMMUNITY DEVELOPMENT**

- No common media system within southwest Michigan to communicate.
- Contaminated/blighted property redevelopment; create "redevelopment-ready" property.
- Regional parks/recreation system plan (potentially including non-motorized pathways).
- A system that supports the growth, processing, purchase, and distribution of regional food.

#### **EDUCATION**

- Infrastructure development and inter-connectivity to better support education, training, and employment.
- A communication conduit for existing education organizations to support work of, and develop a communication conduit for, existing education organizations to coordinate internships and apprenticeships.
- · Development of infrastructure for reaching adult illiterate population.
- An increase in the number of internships and apprenticeships across the region and across the continuum of learners within and outside of the formal school structure.

#### **INFRASTRUCTURE**

- A region-wide recycling plan, including coordinating recycling strategies and programs among southwest Michigan communities.
- Monetary support for the regional trailway system, including trails that tie into or expand the existing
- Identification of telecommunication gaps (primarily broadband) and solutions to fill the gaps.
- Support for the funding of the expansion of I-94, including economic impact evaluations related to highway capacity
- Development of a digital inventory of sewer and water systems (including capacity) in the Region.

#### **RPI STRATEGIES**

• Interconnectivity between partners of the Regional Prosperity Initiative.

The projects awarded funds in 2015 were selected based upon the following criteria:

- Geographic scope
- Accomplishes the area of focus
- Potential for early success
- Supports regional collaboration
- Significance of impact
- Innovation in scope or efficiency
- Access to funding
- Organizational capacity

These first projects to gain the support of the partners of the Region 8 – RPI Collaborative are success stories of the Initiative and represent the ability of Region 8 to understand the power of a common vision and strategy for economic prosperity.

2015 Projects

RPI COLLABORATIVE AWARDS \$117,500 TO THE FOLLOWING REGIONALLY SIGNIFICANT PROJECTS:

\$37,500

COMMUNITY DEVELOPMENT

Regional Food System and Mapping Analysis
 Food Hub Marketing Initiative

\$40,000

**EDUCATION** 

Southwest Michigan Community Literacy Initiative
 Portage English as a Second Language (ESL) Program

\$40,000

INFRASTRUCTURE

Kalamazoo River Valley Trail (KRVT) Extension
 St. Joseph County Water Trails System

#### COMMUNITY **DEVELOPMENT PROJECTS**

#### **Regional Food System Mapping and Analysis**

Create the data needed to assess the existing conditions: match producers and consumers; and convene agriculture industry stakeholders. This effort will support the growth of the regional agricultural industry by enabling support from local units of government, private businesses, economic developers, and workforce developers while making connections between buyers and sellers of agricultural goods.

- Encompasses the entire 7-county area of Region 8.
- · Broad range of partners (including SMPC, W.E. Upjohn Institute, KVCC, City of Kalamazoo, City of Battle Creek, Battle Creek Unlimited, Southwest Michigan First, local restaurant consortium).
- Furthers Community Development Priority Area: 'Promote a system that supports the growth, processing, purchase, and distribution of regional food.'

#### **Food Hub Marketing Initiative**

Create and implement a comprehensive marketing campaign for Sprout Food Hub to promote the locally grown and produced food that is aggregated and distributed through the regional food hub. This campaign will build on established and emerging market opportunities and school and community programs and will benefit local growers, food entrepreneurs, and residents by increasing sales of local produce and valueadded products.

- Encompasses the entire 7-county area of Region 8.
- · Partners include the local network of growers and producers, local food entrepreneurs, school farm markets, local career centers, other organizations that promote local food.
- Furthers Community Development Priority Area: 'Promote a system that supports the growth, processing, purchase, and distribution of regional food.'

#### **EDUCATION PROJECTS**

#### **Southwest Michigan Community Literacy Initiative**

Expand the capacity to provide adult literacy services throughout Region 8. This Initiative will provide literacy volunteer training and program development training to counties on how to establish Community Literacy Centers; provide financial resources for training, books and supplies for up to five Centers; and, host an Adult Literacy Research & Training Symposium at Western Michigan University. The Initiative intents to strengthen literacy services on a regional level; better align instruction practices toward workforce development and adult education outcomes; and, establish a system of support to sustain the infrastructure for literacy services in the Region.

- Encompasses the entire 7-county area of Region 8.
- Partners include the Literacy Councils of Branch County and St. Joseph County, Goodwill Industries of Southwest Michigan, Western Michigan University, and Adult Literacy Collaborative of Kalamazoo County.
- Furthers Education Priority Area: 'Rebuild and focus assets on developing infrastructure for reaching adult illiterate population.'

#### Portage English as a Second Language (ESL) Program

Offer free ESL courses to help the rapidly growing number of non-native speakers of English to become successful, engaged members of the communities of Region 8 and to better coordinate and support literacy services throughout the Region. The program will promote accessibility to education; encourage a culture of learning; and develop a communication conduit for existing education

- Encompasses the entire 7-county area of Region 8.
- Partners include the Kalamazoo Literacy Council, Adult Literacy Collaborative of Kalamazoo County, Prince of Peace Lutheran Church, and Portage Public Schools.
- Furthers Education Opportunity: 'Rebuild and focus assets on developing infrastructure for reaching adult illiterate population.



#### **INFRASTRUCTURE PROJECTS**

#### Kalamazoo River Valley Trail Extension

Construct 8 miles of non-motorized trail in Kalamazoo County, which will connect 35th Street in Galesburg to Battle Creek and complete the 30 mile long KRV Trail.

When complete, the KRV Trail will connect Battle Creek to South Haven and link together 5 counties with 134 miles of regional trail.

- Encompasses the entire 7-county area of Region 8.
- Partners include Parks Foundation of Kalamazoo County, Friends of the Kalamazoo River Valley Trailway, Kalamazoo County Parks Department, Kalamazoo County Road Commission, Michigan Department of Transportation, and City of Galesburg.
- Furthers Infrastructure Priority Area: 'Monetary support for the regional trailway system, including trails that tie into or expand the existing system.'

#### St. Joseph County Water Trails System

Create and/or improve adequate parking at priority river access points; create and/or improve adequate grade and slope of land leading to river banks at priority access points; and, install canoe/kayak rails to improve priority river access points. Improving access to the network of water trails in St. Joseph County is a key strategy set forth in the St. Joseph County Water Trails Master Plan to increase the use of the County's water trails system.

- A county-wide initiative that can be used as a model to facilitate water trail connections region-wide.
- Partners include St. Joseph County Parks and Recreation Department, St. Joseph County Conservation District, City of Three Rivers, Park Township, and Village of Mendon.
- Furthers Infrastructure Priority Area: 'Monetary support for the regional trailway system, including trails that tie into or expand the existing system.'

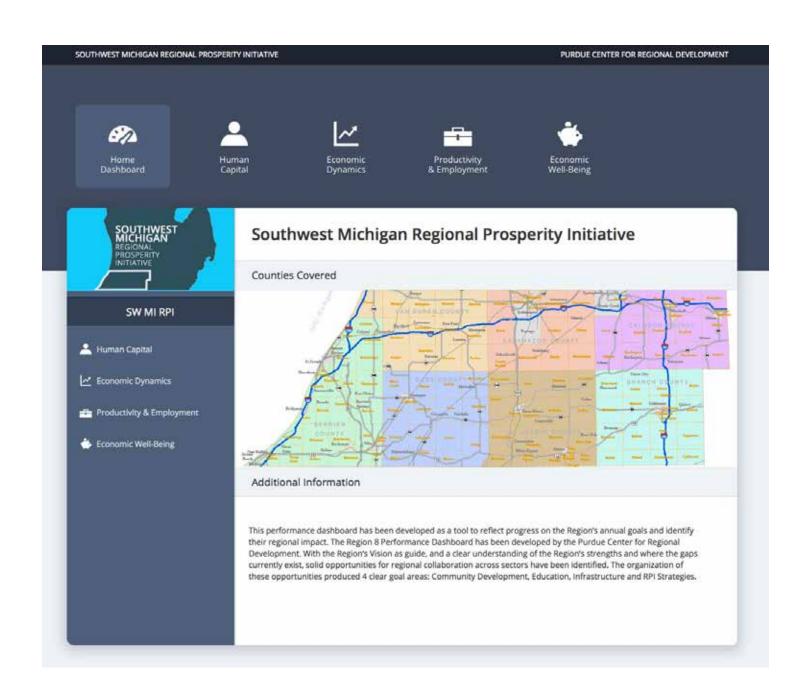


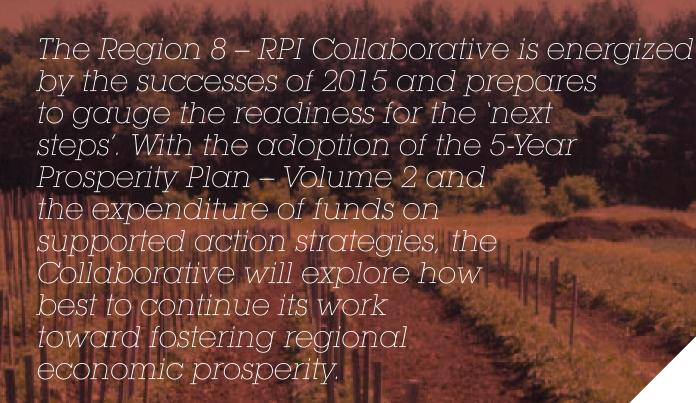






## Sample Dashboard Content





YEAR 1

In addition to meeting RPI Tier 1 requirements, the Region 8 RPI Collaborative experienced several fundamental successes key to working within the Regional Prosperity

- Regional partners worked hard to find the unique role that the RPI Collaborative could fill in Region 8 and see the work of the Collaborative in the context of existing regional collaboration.
- · Familiarity and trust was built both between regional partners and the organizations they represent.
- The Collaborative focused on building the foundations on which Year 2 action strategies would be based.. for successful long-term working relationships.

YEAR 2

Region 8 continued through Year 2 as an RPI Collaborative (Tier 1) with a focus on developing and funding action strategies of regional significance that implement the 5-Year Prosperity Plan. With the adoption of Volume 2 of the Plan that sets forth identified action strategies, the Collaboration will:

- · Communicate and Disseminate the 5-Year Prosperity Plan – Volumes 1 & 2
- Fund and Monitor Selected Projects
- Initiate RPI Strategies Project: Regional Communications Software
- Plot a course for Year 3

## Next Steps

### YEAR 3 ... AND BEYOND

The RPI Collaborative will enter Year 3 with a focus on operating within the Regional Prosperity Initiative in substantive ways. With the organizational efforts and introductory steps toward collaboration associated with our Tier 1 status behind us, the Collaborative has visions of playing a very meaningful role in the economic future of the Region. Providing the means for communication and collaboration between regional partners; serving as the leader in the review and funding of regionallysignificant projects; and, operating as the regional resource with an effectiveness that will direct investment into Region 8 are our envisioned tasks. The following agenda for Year 3 is designed to move the Collaboration forward to those ends:

- Develop a signature communication model that positions the Collaborative as the leader in achieving collaboration on regional issues.
- Refine the project selection process to improve the identification of significant projects and maximize the effectiveness of RPI funding.
- Build the knowledge base of the Collaborative Committee. A reciprocal understanding of regional partners will provide the depth necessary for the Collaborative to operate effectively and efficiently in the Region.
- Take the RPI Collaborative and the Regional Prosperity Plan 'on the road' to heighten awareness and achieve partnership and support toward a strategic approach to regional investment.



## Appendix: Asset Region 8 Inventory

#### **COMMUNITY DEVELOPMENT**

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    - Public Transit Service Areas 44
      - Parks and Rec Areas 45
  - % Renter Units Affordable to 80% HAMFI 46
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#### **EDUCATION**

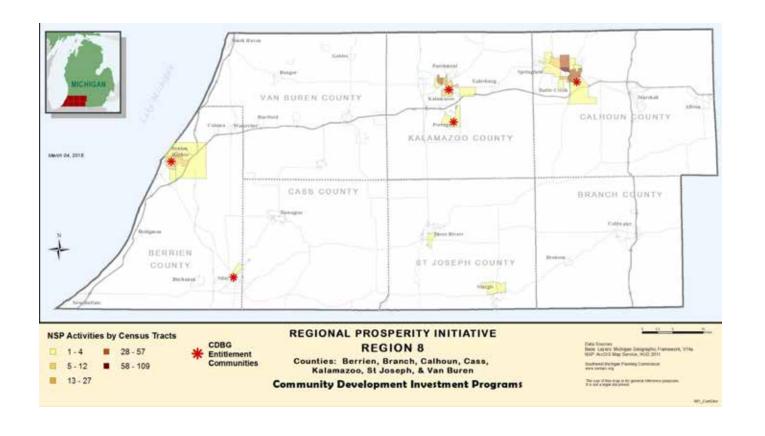
- School Districts 48
- Educational Attainment: Residents 25 years + (High School Diploma or Higher) 48
  - Educational Attainment: Residents 25 years + (Associate Degree or Higher)
    - Educational Related Institutions 49

#### **INFRASTRUCTURE**

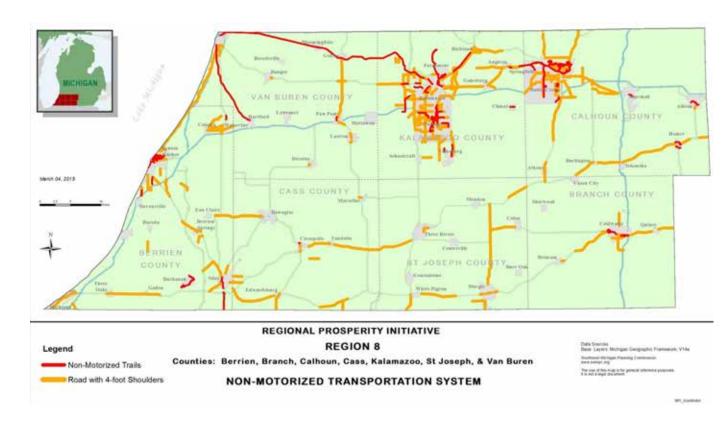
- Intercity Bus Service 50
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## - Asset Inventory: Community Development

#### **Community Development Investment Programs**

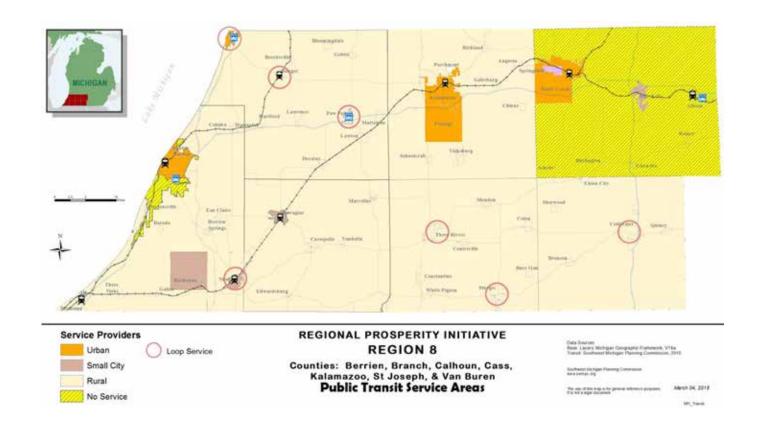


#### **Non-Motorized Transportation System**

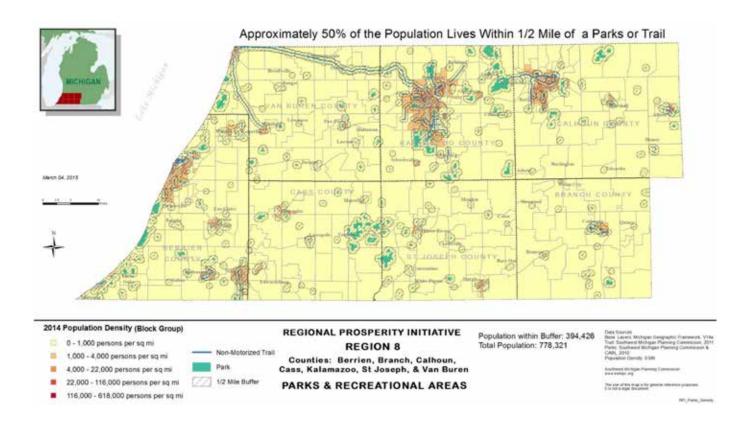


## - Asset Inventory: Community Development

#### **Public Transit Service Areas**

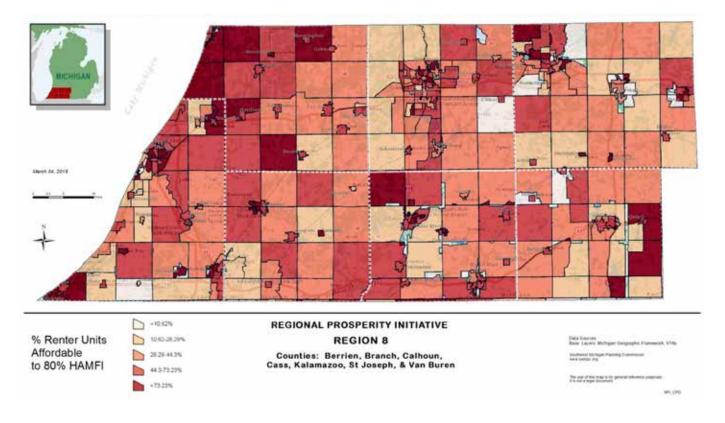


#### **Parks and Recreational Areas**

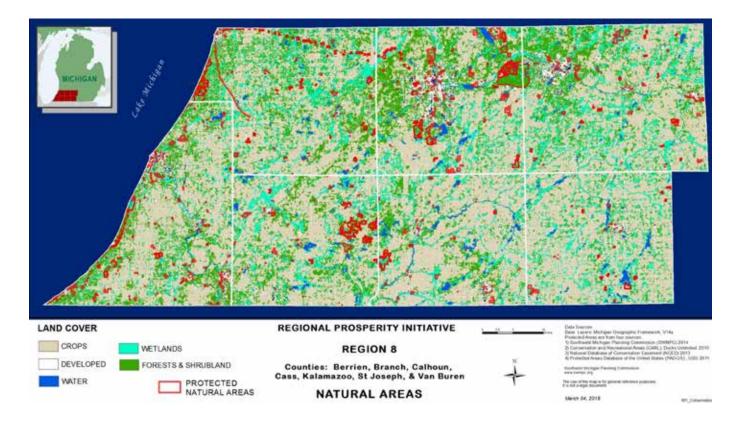


## - Asset Inventory: Community Development

#### % Renter Units Affordable to 80% HAMFI

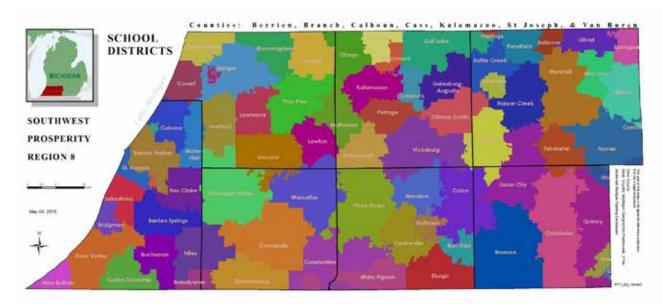


#### **Natural Areas**

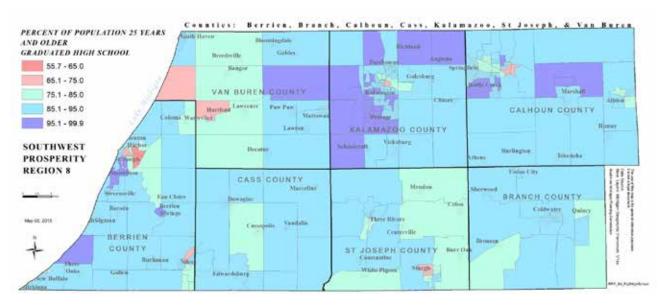


## Asset Inventory: Education

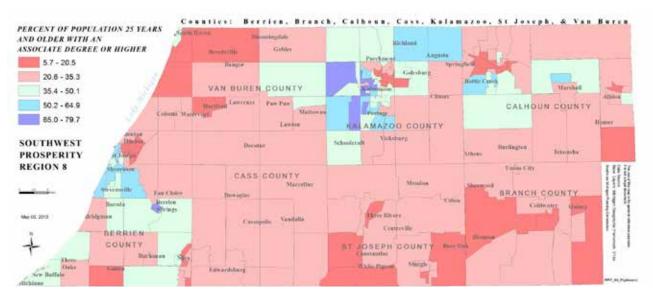
#### **School Districts of Southwest Michigan**



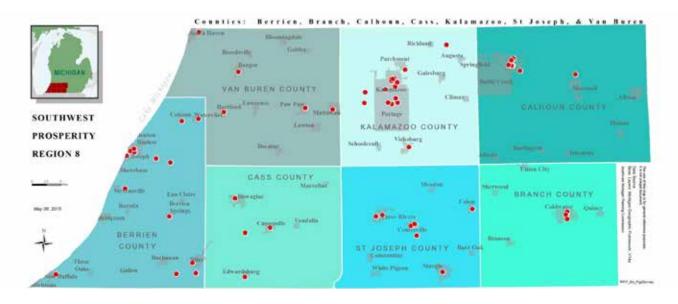
#### **Educational Attainment** Residents 25+ with H.S. Diploma or Higher



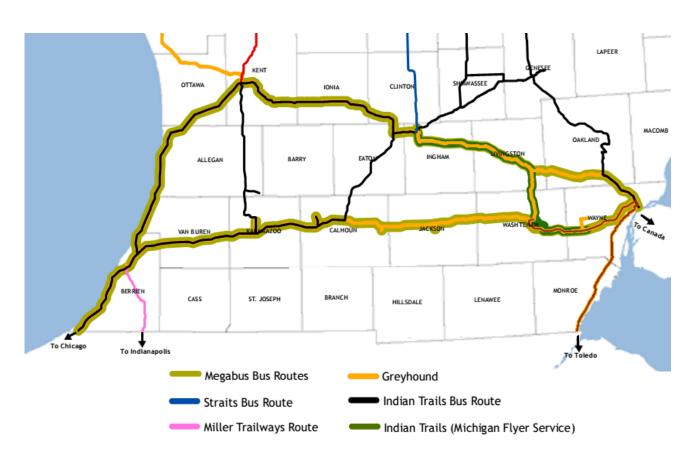
#### **Educational Attainment** Residents 25 + with Associates Degree or Higher



#### **Education and Related Institutions**

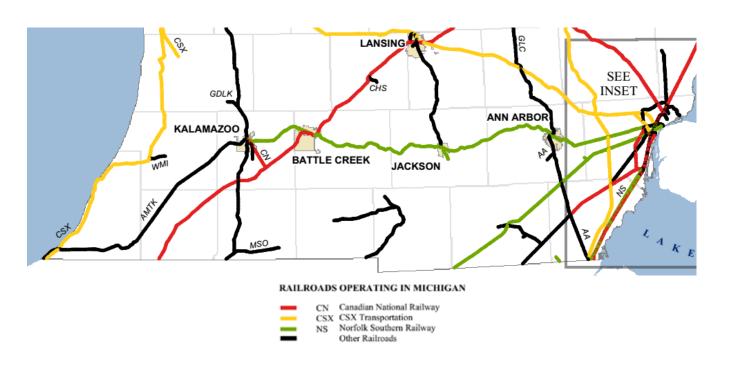


#### **Michigan's Intercity Bus Services**



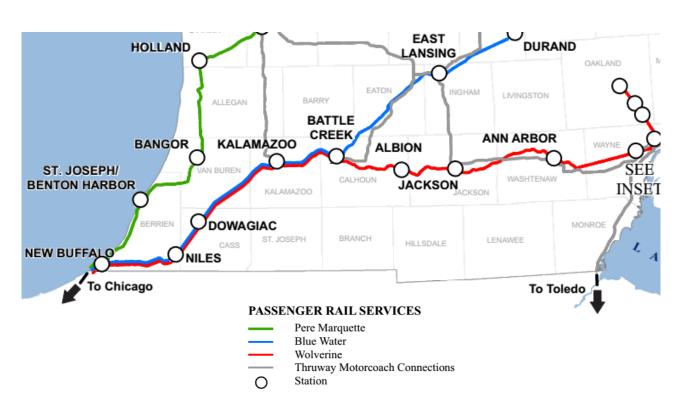
Michigan Department of Transportation · May 2014

#### Michigan's Rail Road System



Michigan Center for Shared Solutions Department of Technology, Management, and Budget

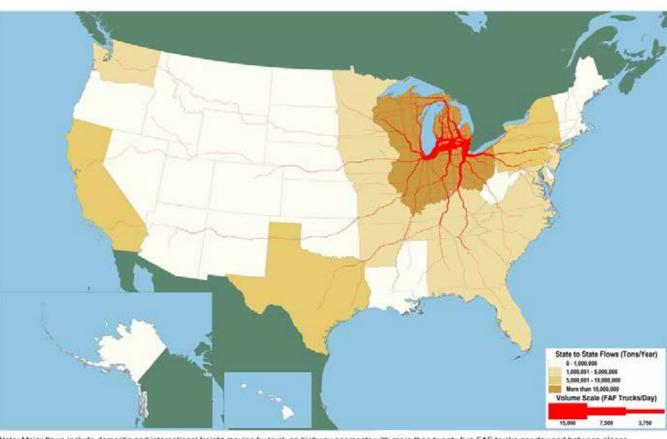
#### Michigan's Intercity Passenger Rail System



Michigan Department of Transportation · October 2014

#### **Freight Movement**

Major flows by truck to, from and within Michigan: 2010

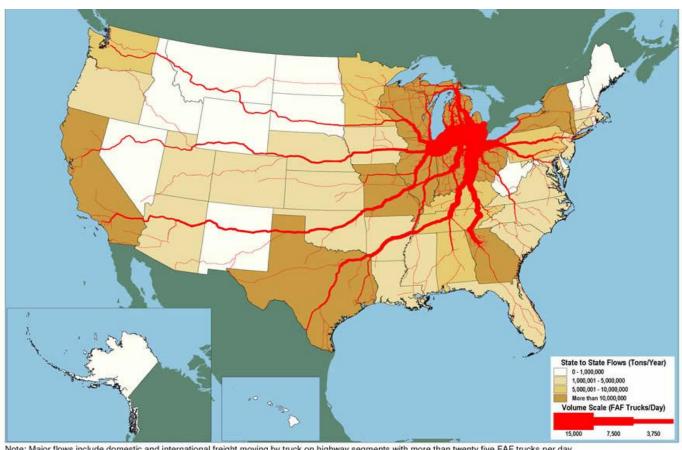


Note: Major flows include domestic and international freight moving by truck on highway segments with more than twenty five FAF trucks per day and between places typically more than fifty miles apart.

Source: U.S. Department of Transportation, Federal Highway Administration, Office of Freight Management and Operations, Freight Analysis Framework, version 3.4, 2012.

#### **Projected Freight Movement**

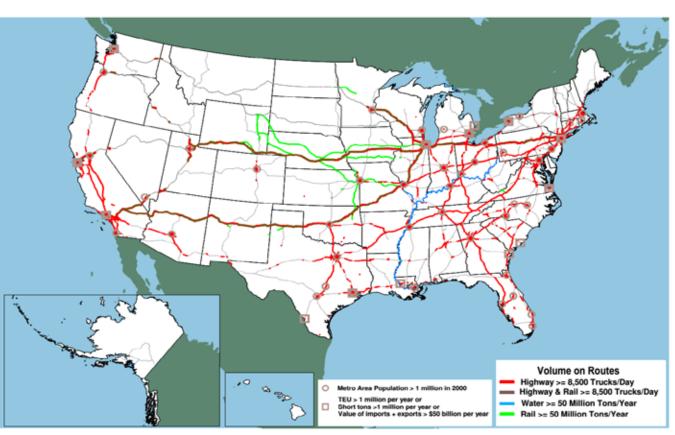
Major flows by truck to, from and within Michigan: 2040



Note: Major flows include domestic and international freight moving by truck on highway segments with more than twenty five FAF trucks per day and between places typically more than fifty miles apart.

Source: U.S. Department of Transportation, Federal Highway Administration, Office of Freight Management and Operations, Freight Analysis Framework, version 3.1.2, 2011.

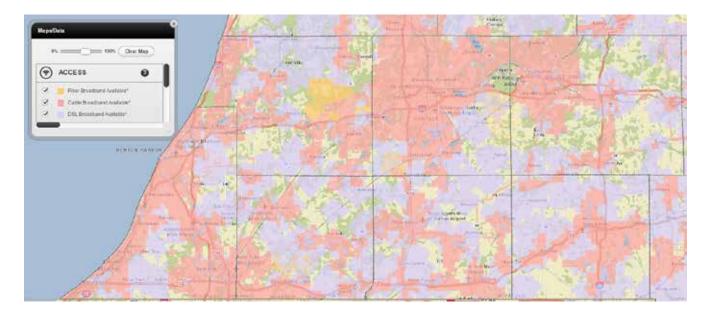
#### **Freight Mode Distribution Components of Major Freight Corridors**



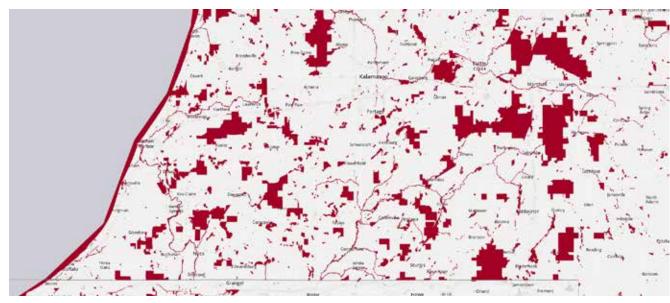
Note: Highway & Rail is additional highway mileage with daily truck payload equivalents based on annual average daily truck traffic plus average daily intermodal service on parallel railroads. Average daily intermodal service is the annual tonnage moved by container-on-flatcar and trailer-on-flatcar service divided by 365 days per year and 16 tons per average truck payload.

Source: U.S. Department of Transportation, Federal Highway Administration, Office of Freight Management and Operations, 2008.

#### **Broadband Avaliability by Type**



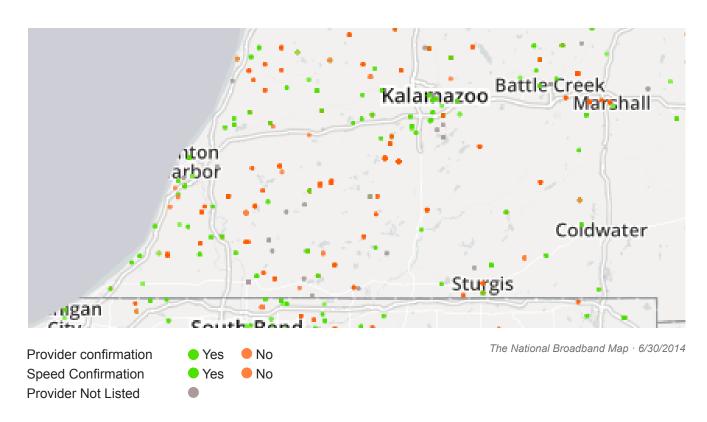
#### **Areas without Broadband Internet Access**



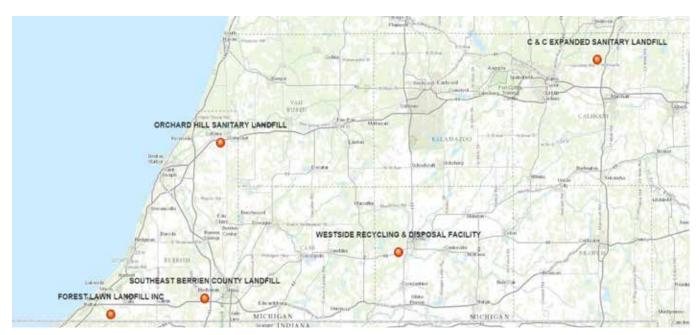
#### The National Broadband Map · 6/30/2014

#### **Crowdsourced User Feedback**

Data as of 06/30/2014



#### **Active Solid Waste Landfills**



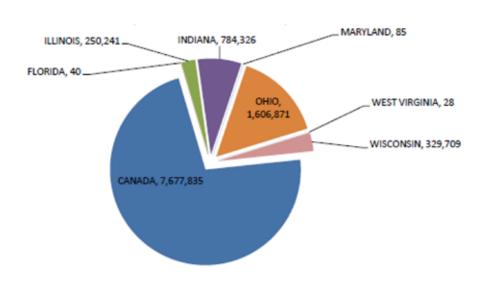
Michigan Department of Environmental Quality

#### **Landfill Capacities and Lifespans**

Facility	Remaining Capacity	Capacity Used in 2014	Projected Years of Remaining Capacity	Calculated Yrs of Remaining Capacity
C & C Expanded	2,311,822	507,705	4	5
Forest Lawn	641,648	387,991	2	2
Orchard Hill	17,630,087	229,055	77	77
Southeast Berrien	4,854,326	986,187	23	5
Westside Recycling & Disposal	37,735,372	376,392	115	100

#### Michigan Landfill Imported Waste by Origin

**Volume in Cubic Yards** 



#### **Active Energy Production**



## Acknowledgments

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