

The Brave New World

Shared Solutions in Michigan

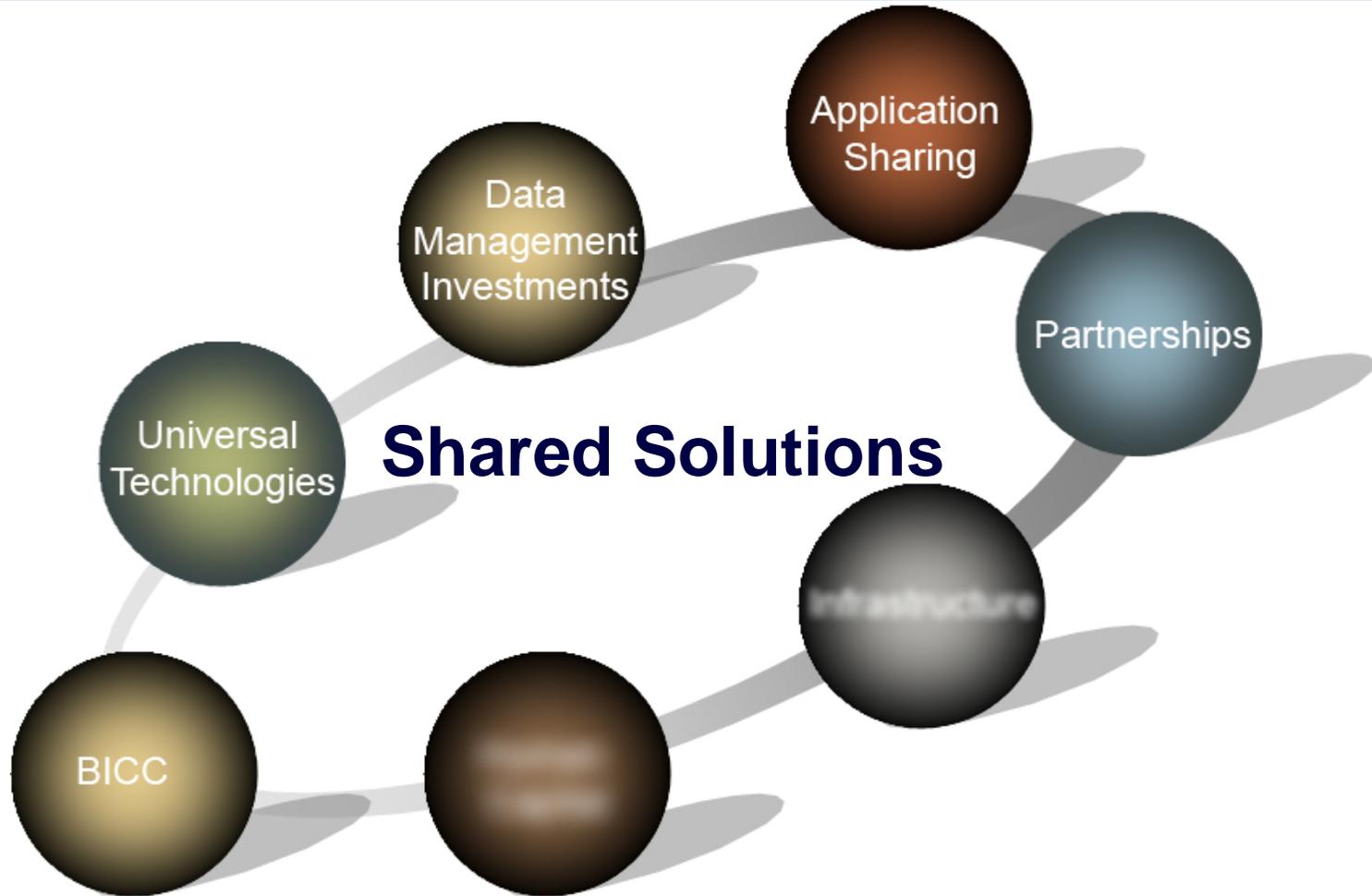
*Michigan Data Warehouse Conference
November 6, 2008*

*Eric Swanson
Center for Shared Solutions*

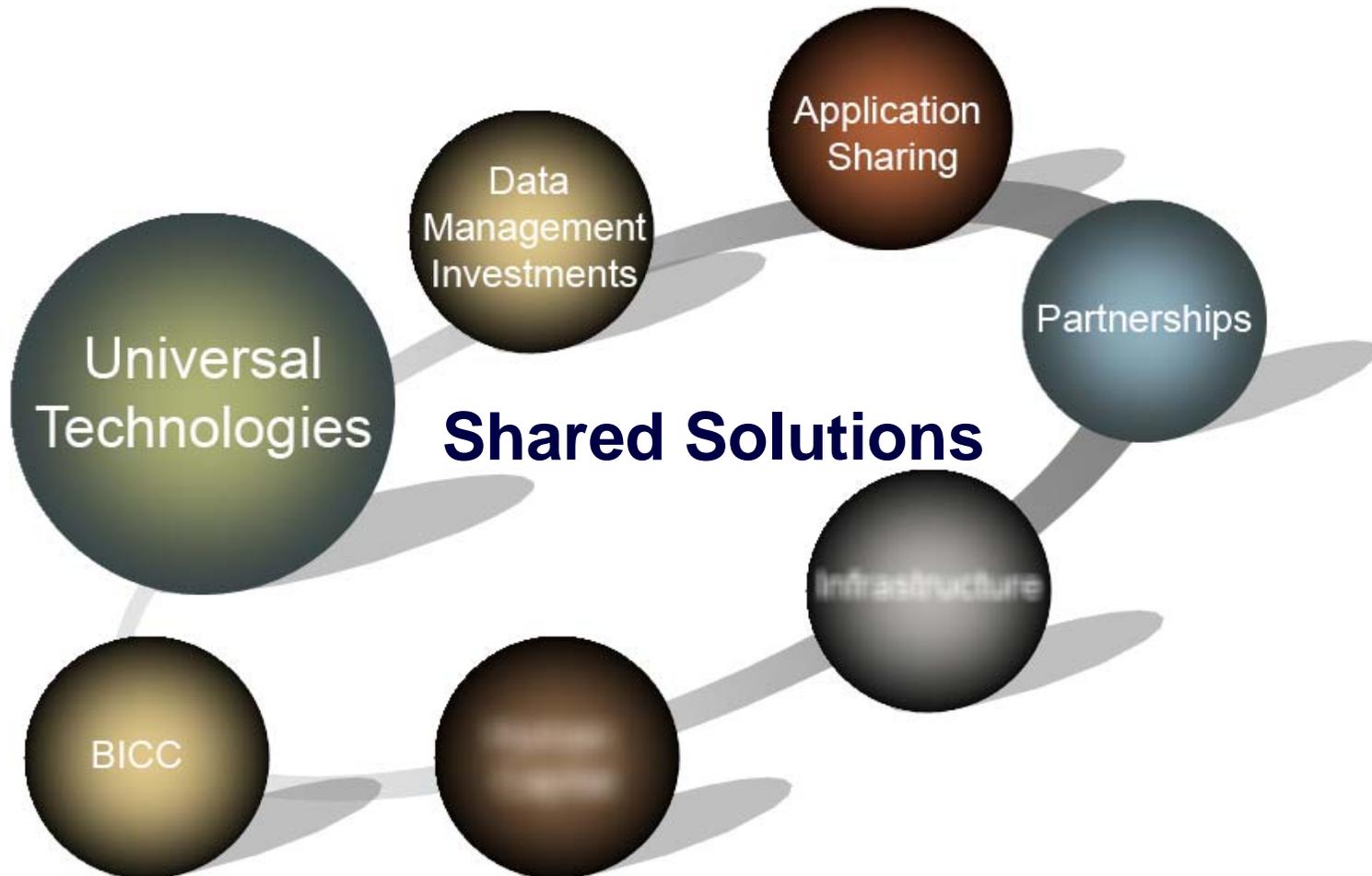




ppportunity is Everywhere



Universal Technologies



Universal Reporting Solution

The Story....

- ◆ Immediate Roll-Out to MDOT-90 Days to Department-wide Support
- ◆ Activities in Progress
 - Higher Education Institution Data Inventory System (HEIDI)
 - Michigan State Housing Development Authority
 - SHADoW project
 - Transportation Asset Management Council
 - Michigan Attorney General's Office

The Future....

- ◆ Tackle Existing Agency Installations and User Demand



Universal Data Transformation Solution

The Story....

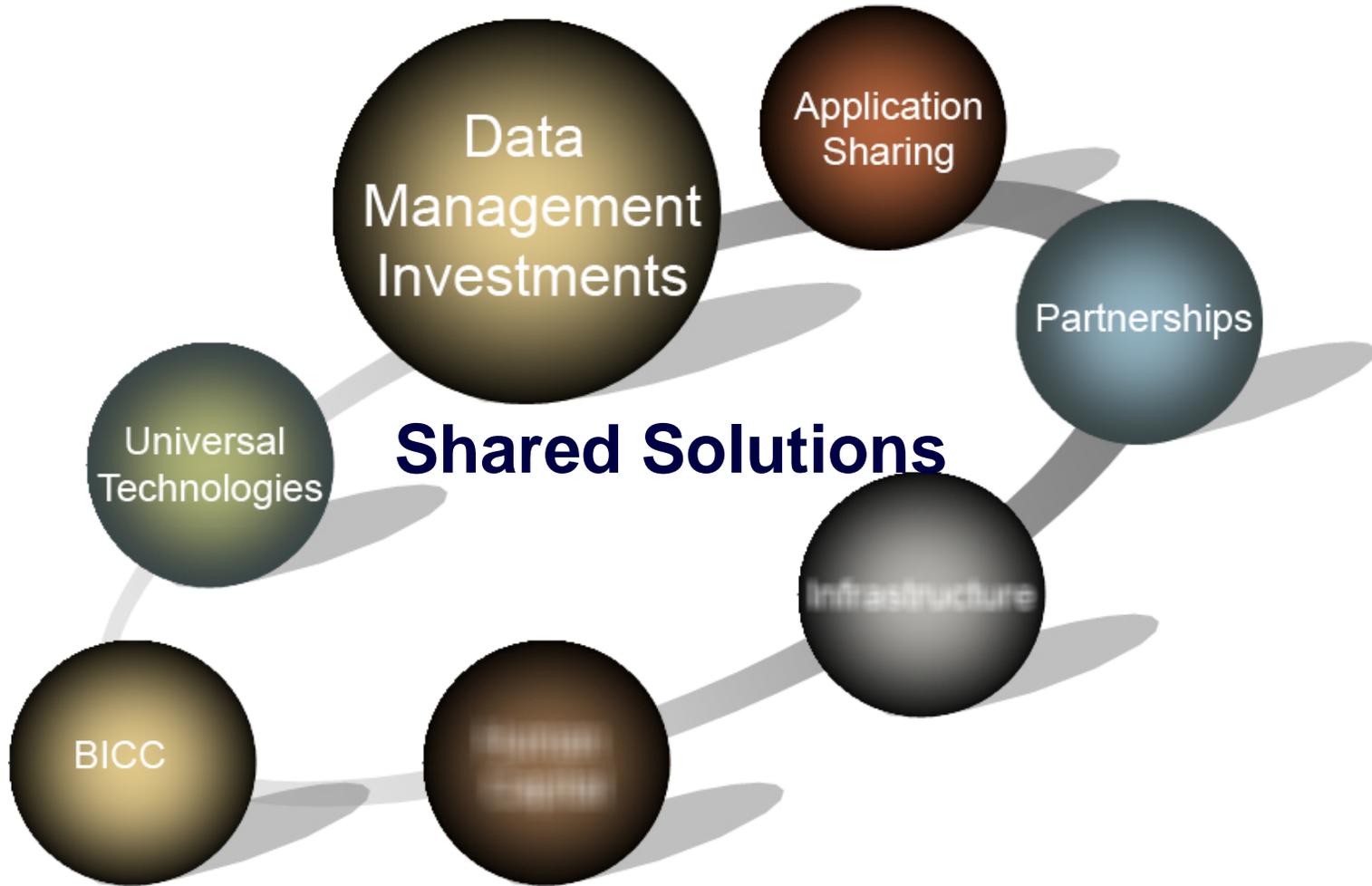
- ◆ Immediate Roll-Out to Treasury
 - Delivery--Months to Days
 - Processing--Hours to Minutes
- ◆ Activities in Progress
 - Treasury Eskort

The Future....

- ◆ Migrate Existing Agency Custom Code



Data Management Investments



Shared Spatial Data Investment

- ◆ 10-year Assessment
- ◆ \$32m Shared Investment
- ◆ \$133 m Saved



Availability is Assumed...past 3 yrs

Total Users:	3,860,483
Total Hits:	210,276,763
Daily Users:	3,525
Daily Data Transfer:	2.7 GB

MGF Use: 843,155 File Transfers

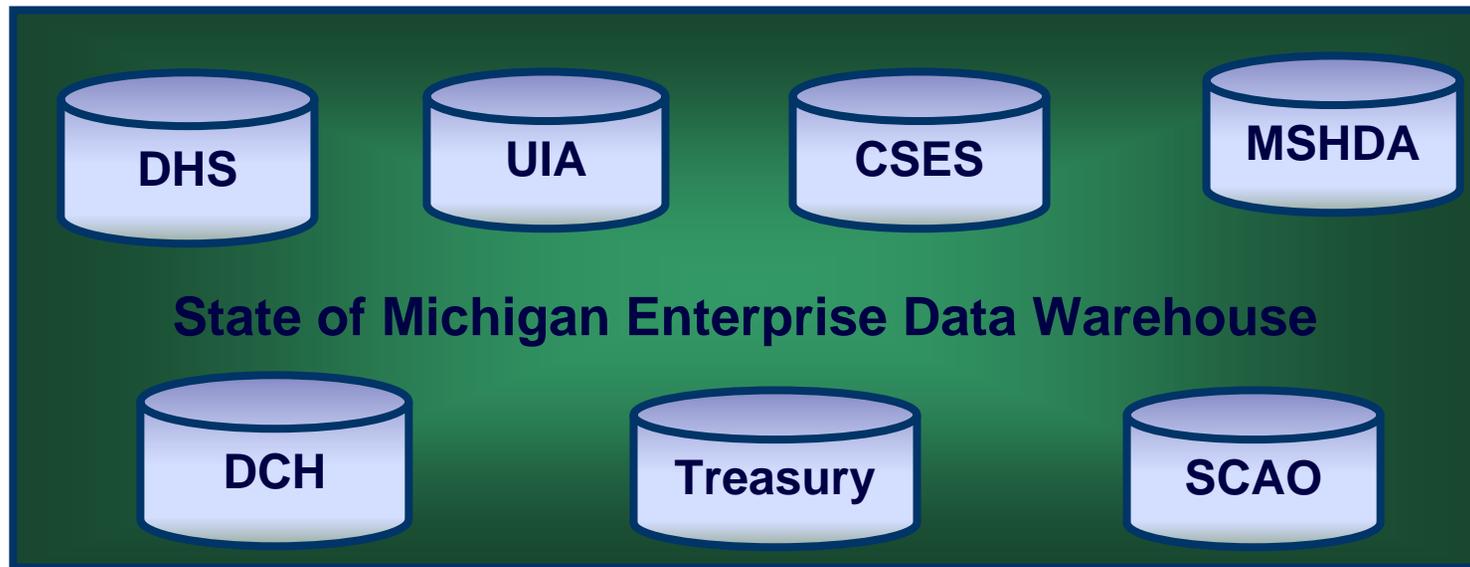
High Resolution Imagery Partnership

- ◆ 38 Counties
- ◆ 25,000 Square Miles
- ◆ \$9.3 m Shared Cost of Acquisition

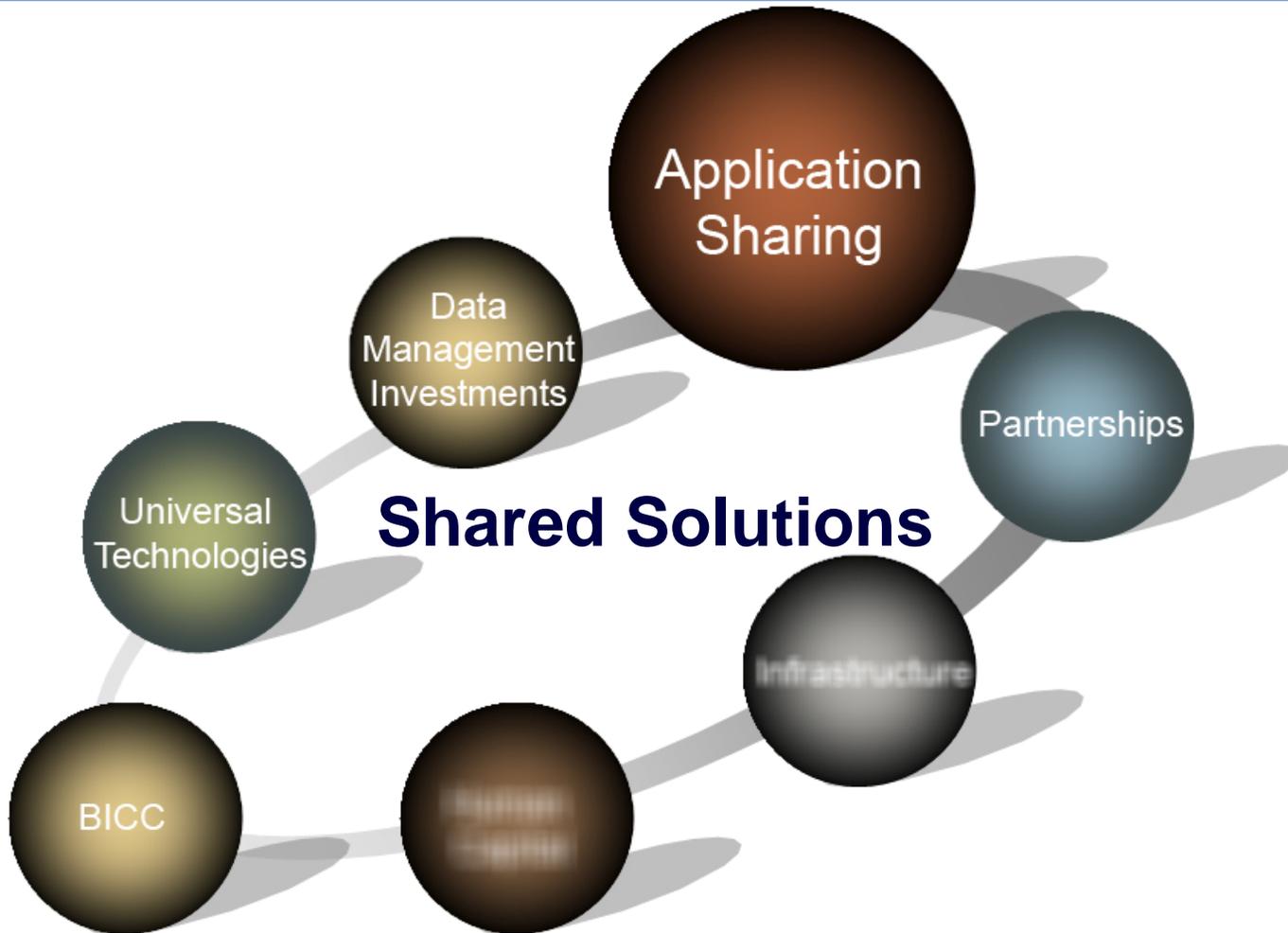


The State's "Information Backbone"

- ◆ 3.8 TB of active production data—Equivalent to two college research libraries filled with books
- ◆ 20,000 transactions per day—6 million per year



Application Sharing



Surface Water Information Management System



Surface Water Information Management System
Department of Environmental Quality • Department of Natural Resources



[Michigan.gov](#)

[MISWIM Home](#) | [Text Search](#) | [Map Search](#) | [Contact Us](#) | [DEQ Home](#) | [DNR Home](#)



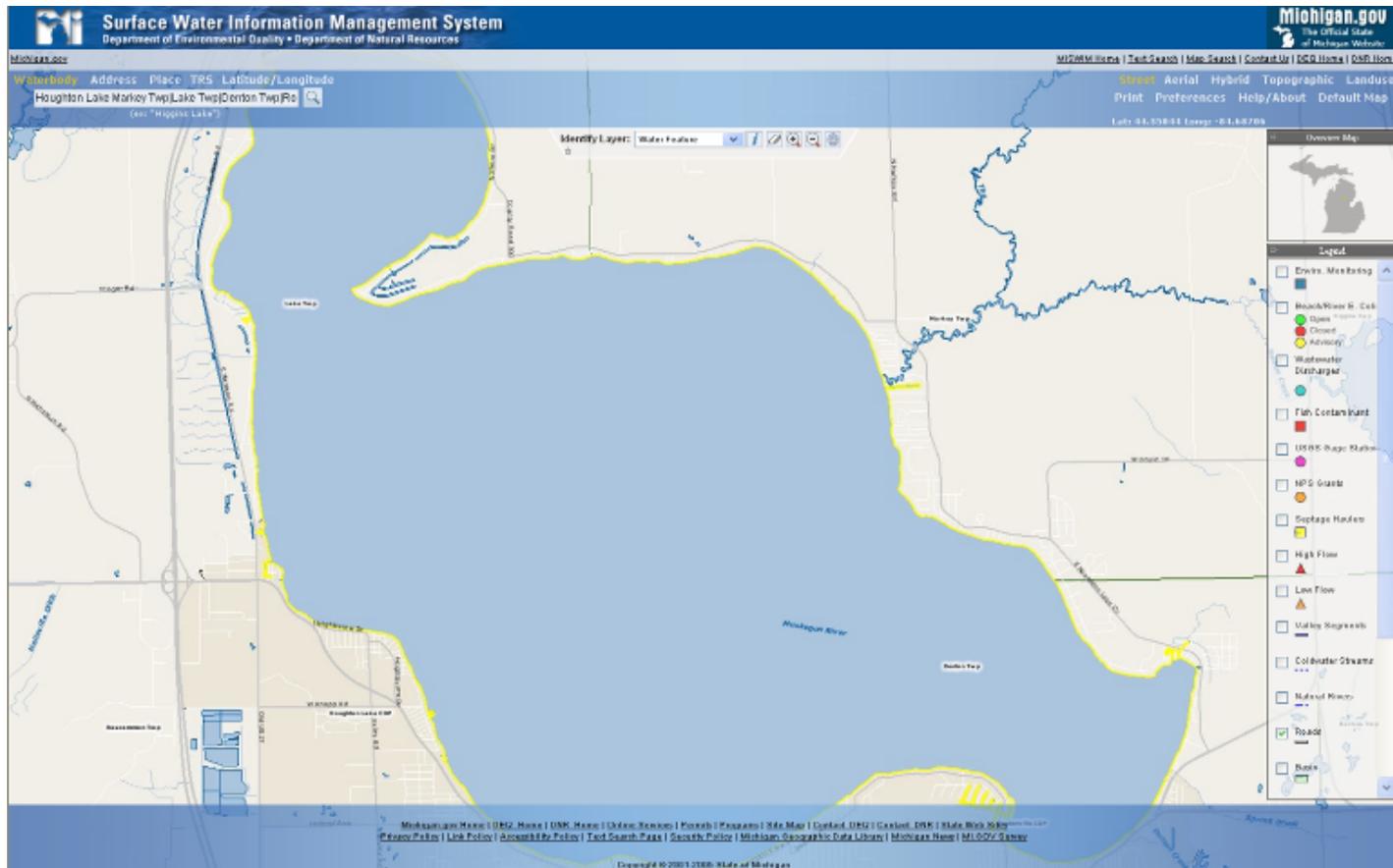
WELCOME

WELCOME to the Michigan Surface Water Information Management System (MISWIMS). This application is an interactive map-based system that allows users to view information about Michigan's surface water. It was developed through a cooperative effort by the Michigan Department of Information Technology (DIT), Michigan Department of Environmental Quality (DEQ), and Michigan Department of Natural Resources (DNR). Users are able to view and download data collected by the DEQ and DNR from surface water monitoring sites located throughout Michigan.

The application provides the user two ways to search for water information: Text search and map search.



Surface Water Information Management System



Surface Water Information Management System



Surface Water Information Management System
 Department of Environmental Quality • Department of Natural Resources



[Michigan.gov](#)
[MISWIM Home](#) | [Text Search](#) | [Map Search](#) | [Contact Us](#) | [DEQ Home](#) | [DNR Home](#)

Search Results

Number of Results Found: 1

[New Search](#)

NAME=Houghton Lake AND MCDS=Markey Twp|Lake Twp|Denton Twp|Roscommon Twp AND
 COUNTIES=ROSCOMMON

Waterbody
Water Quality
Septage Hauler Land Application
Wastewater Discharges
NPS Grants
USGS Gage Stations
Beach/River E. Coli
High Flow
Low Flow
Fish Contaminant

Sort Results By: <v> << First < Previous **Page 1 of 1** Next > Last >> Records Per Page: <v>

Houghton Lake [Fish Stocking](#) [Fish Survey](#) [River Reports](#) [DNR Lake Info](#) [Map It!](#)

Locality: Markey Twp|Lake Twp|Denton Twp|Roscommon Twp
 County: ROSCOMMON
 Area: 20,067 acres

<< First < Previous **Page 1 of 1** Next > Last >>

Transportation Asset Management



Transportation Asset Management

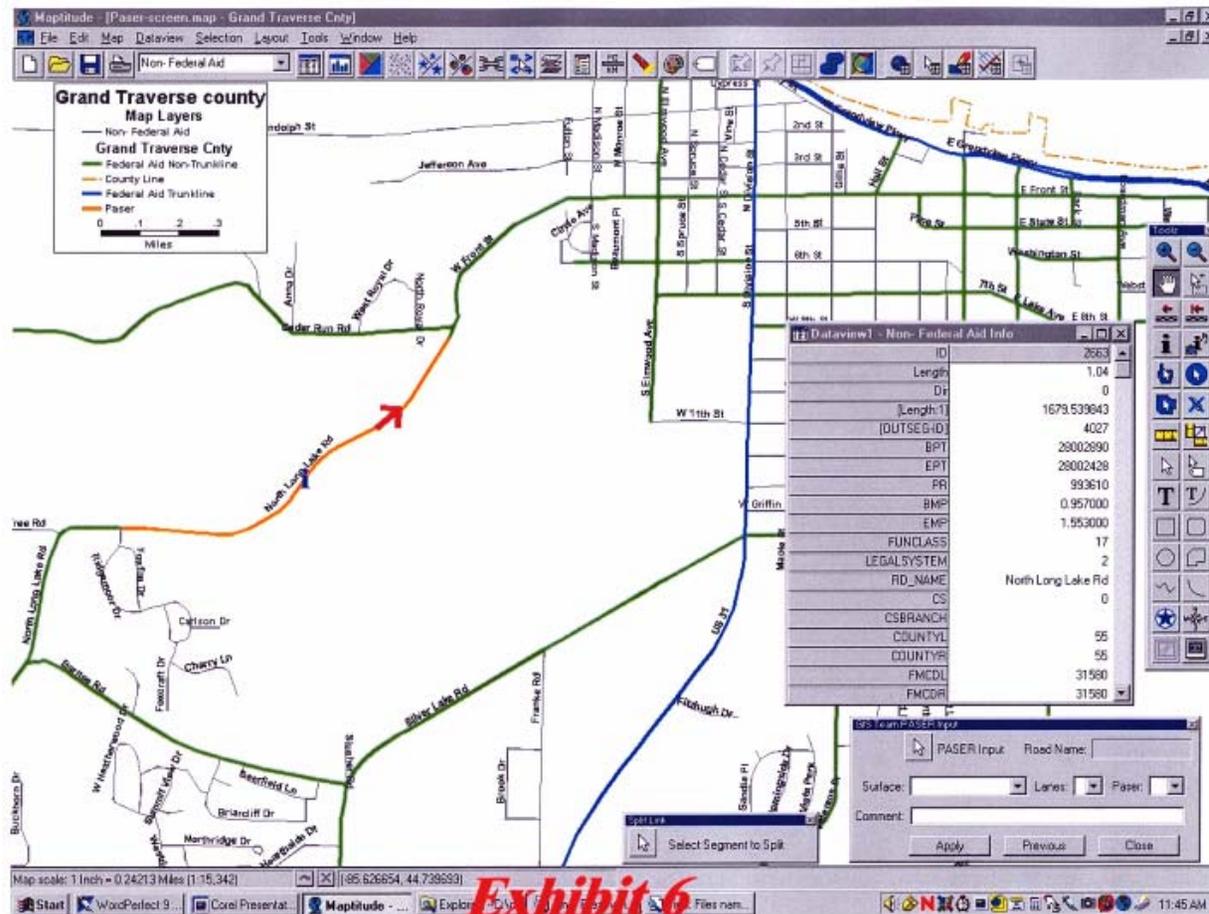


Exhibit 6

Transportation Asset Management

ASSET MANAGEMENT Asset Investment Reporting **MICHIGAN**

Map Home Security Reports Help Logout

Zoom In Zoom Out Identify Re-Center Map Size: Treatment Measure

Legend Search Treatment Budgeting

Current Treatment View My Treatments

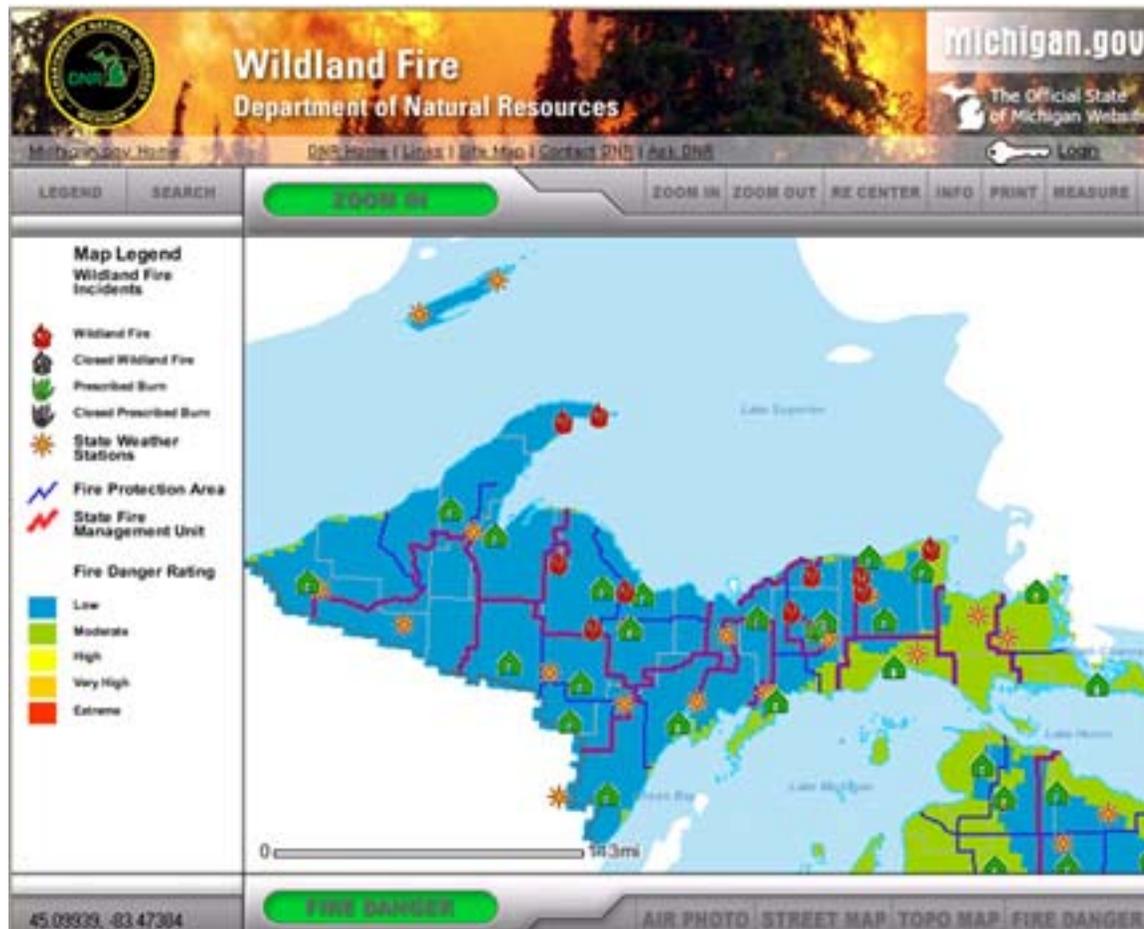
Treatments

Select Jurisdiction: City of Monroe

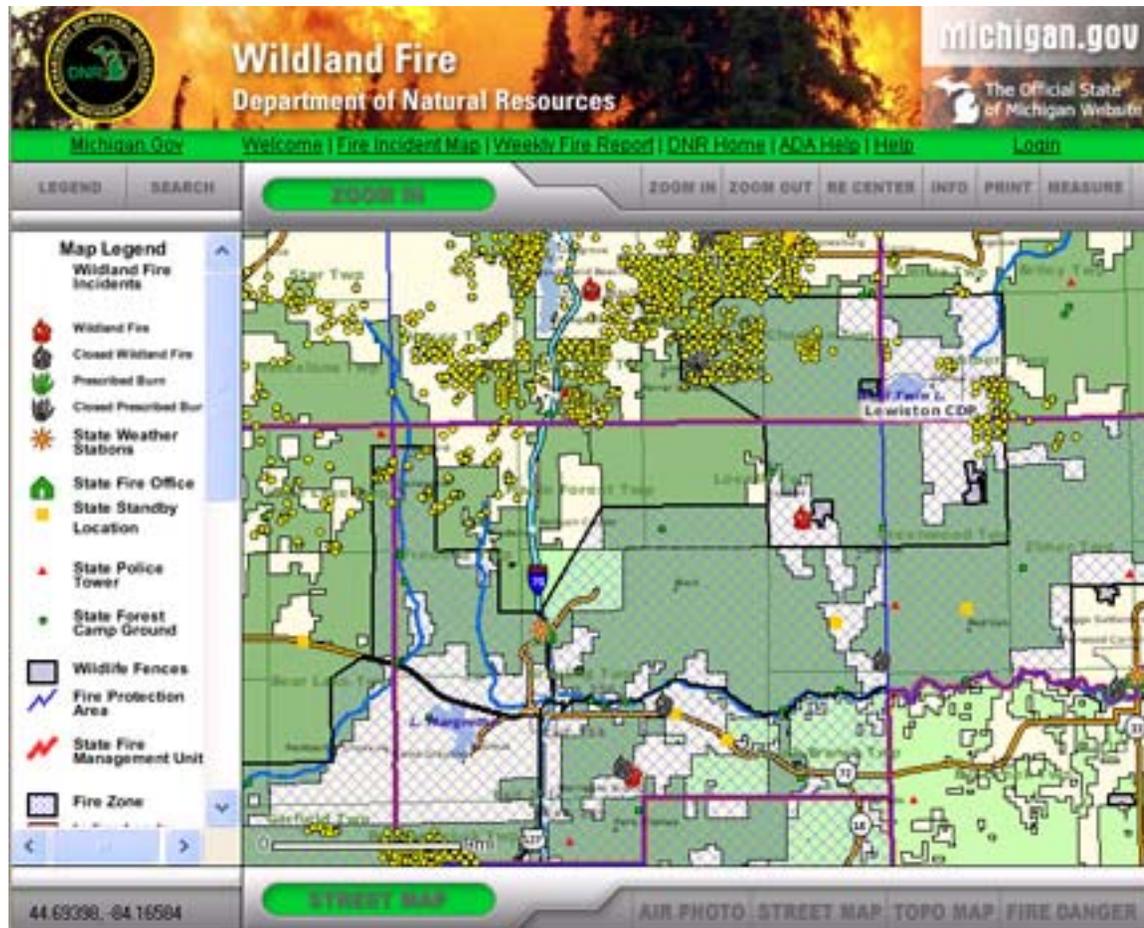
Segments	Edit	Remove	Treatment Date	Project Class	Treatment Type	Cost	Life Exp.	ID
Details	Edit	Delete	10/31/2005	SI	Resurfacing	\$52,000	20	12
Details	Edit	Delete	10/31/2005	SI	Resurfacing	\$61,000	20	167
Details	Edit	Delete	10/31/2005	SI	Resurfacing	\$78,000	15	591
Details	Edit	Delete	10/31/2005	SI	Resurfacing	\$155,000	15	592
Details	Edit	Delete	10/31/2005	SI	Resurfacing	\$156,000	15	589
Details	Edit	Delete	10/31/2005	SI	Resurfacing	\$192,000	15	588
Details	Edit	Delete	10/31/2005	SI	Resurfacing	\$249,000	15	590
Details	Edit	Delete	11/30/2005	SI	Rehabilitation	\$300,000	30	593
Total Treatment Costs:						\$1,243,000		



Wildland Fire Management System



Wildland Fire Management System



Wildland Fire Management System



Wildland Fire
Department of Natural Resources

Fire Protection Area Offices

ALLEGAN FIELD OFFICE
(269)673-5819 (269)673-5184

Office Staff			
Staff Name	Qualifications	Call Sign/800 ID	Work Phone
Kim Dufresne FIRE OFFICER SUP	CDL: A, N	CS: PL-50 ID: P-3030066, ID: M-3030063	O: (269)685-6851 C: (616)260-8406
Mike Pine FIRE OFFICER A	CDL: A, N FLQ: Moderate	CS: Allegan-51 ID: P-3030070, ID: M-3030061	O: (269)673-5819 P: (616)442-9282
Roger Hagger FIREFIGHTER-C	CDL: C, A		O: (269)673-2164 C: (269)568-6382
Scott Kruithof FIREFIGHTER-C	CDL: B		O: C: (269)207-7698
Larry Lyons FIREFIGHTER-C	CDL: O		O:
Paul Maas FIREFIGHTER-C	CDL: O		O:
Becky Pine FIREFIGHTER-C	CDL: O		O: C: (269)330-9258
Larry Roltman FIREFIGHTER-C	CDL: B, N		O: (616)877-9906
Steve Smalla FIREFIGHTER-C	CDL: B, N		O: C: (269)650-0030
John Vogelzang FIREFIGHTER-C	CDL: None	CS: 6163152813	O: (616)642-0242 C: (616)902-3693
Ed Walle FIREFIGHTER-C	CDL: A, N		O: C: (269)214-7320

City of Southfield *the center of it all* Michigan, USA

SEARCH

HOME RESIDENTS BUSINESS VISITORS GOVERNMENT CITY DEPARTMENTS NEWS & EVENTS

<< return to city page

Welcome Visitors

Search

Destinations

- Accommodations
- Dining / Theaters
- Attractions
- Transportation

SMART
View active bus routes now

Residents Businesses **Visitors** Governments City Departments Legend

2D 3D

Road
Aerial
Hybrid

800 miles
© 2007 Microsoft Corporation © 2006 NAVTEQ
Image courtesy of NASA



City of Southfield *the center of it all* Michigan, USA

SEARCH

HOME | RESIDENTS | BUSINESS | VISITORS | GOVERNMENT | CITY DEPARTMENTS | NEWS & EVENTS

<< return to city page

Legend

Overview

Buildings

Right of Way

SMART
View active bus routes now

Residents | Businesses | Visitors | Governments | City Departments | Legend

Microsoft Virtual Earth

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Michigan.gov

Contact Pure Michigan | Pure Michigan Website

Find Location: michigan



Welcome

Pure Michigan Sites

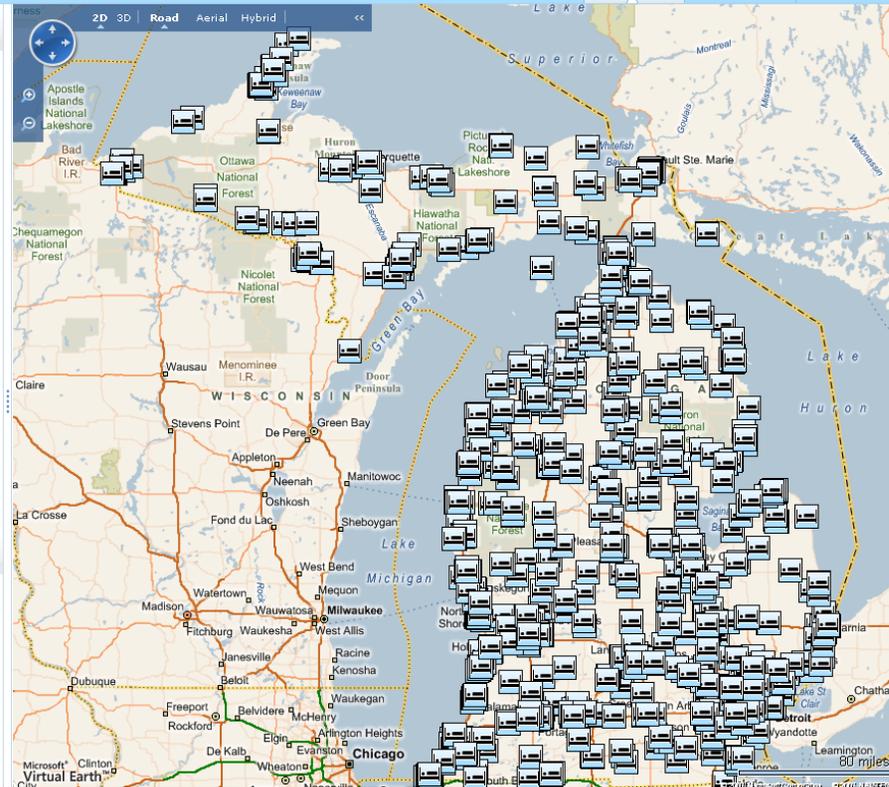
Print

Pure Michigan Sites

- Michigan Points of Interest
 - Places to go
 - Things to Do
 - Places to Stay
 - B & B
 - Cabins & Cottages
 - Campgrounds
 - Condos and Rentals
 - Historic Inns
 - Hotels & Motels
 - Resorts

Search Results

- [Michigan Lutheran Seminary \(school\), Saginaw, Michigan, United States](#)
- [Michigan Memorial Park Cemetery \(cemetery\), Michigan, United States](#)
- [Midwestern Michigan Library Coop \(library\), Flint, Michigan, United States](#)
- [Michigan Montessori School \(school\), Fort Myers, Florida, United States](#)





PURE MICHIGAN®
Michigan's Official Travel and Tourism Site

Michigan.gov

The Official State of Michigan Website

Michigan.gov

Contact Pure Michigan | Pure Michigan Website

Find Location: GO

Welcome

Pure Michigan Sites

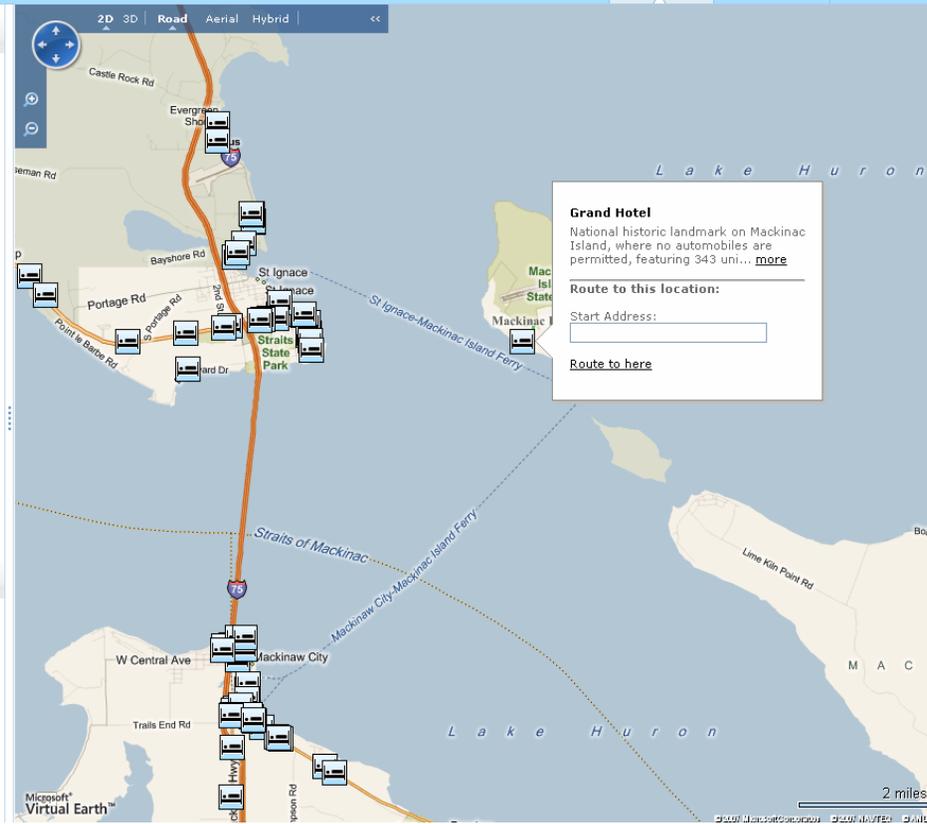
Print

Pure Michigan Sites

- Michigan Points of Interest
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 - Things to Do
 - Places to Stay
 - B & B
 - Cabins & Cottages
 - Campgrounds
 - Condos and Rentals
 - Historic Inns
 - Hotels & Motels
 - Resorts

Search Results

- [Mackinac Island, Mackinac, Michigan, United States](#)
- [Mackinac Island Airport \(airport\), Michigan, United States](#)
- [Mackenzie King Island \(island\(s\)\), Northwest Territories, Canada](#)
- [Matakana Island \(island\(s\)\), Bay of Plenty, New Zealand](#)



Grand Hotel
National historic landmark on Mackinac Island, where no automobiles are permitted, featuring 343 uni... [more](#)

Route to this location:
Start Address:

[Route to here](#)



Home ▾	Select a City ▾	Places to Stay ▾	Outdoors ▾	Things to Do ▾	Business Info	<input type="text"/>	<input type="button" value="search"/>
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Grand Hotel

National historic landmark on Mackinac Island, where no automobiles are permitted, featuring 343 uniquely decorated guest rooms and suites. Rates include a full breakfast and 5 course dinner daily. There is nightly entertainment, afternoon tea, and full recreational facilities. Open mid-May to mid-November each year.



Front of Hotel

The Grand Hotel is a national historic landmark on Mackinac Island, featuring 343 uniquely decorated rooms and suites. Rates include a full breakfast and 5-course dinner daily. There is nightly entertainment, afternoon tea and full recreational facilities.

Photo courtesy of Grand Hotel



One Michigan Business Portal

Be Your Own Boss
Tools for Starting and Expanding Your Michigan Business

Michigan.gov Home | Be Your Own Boss Home | DLEG Home | Sitemap | Contact Us

START your business
GROW your business
FINANCE your business
LEARN & teach

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Welcome!

"Do you know where the word "entrepreneur" comes from? It's from a French verb "entreprendre" and it means to tackle, to undertake, literally to "do something"
- Governor Jennifer M. Granholm

Michigan Taxes
Department of Treasury

Michigan.gov Home | Taxes Home | FAQ | Site Map | Contact Treasury | Forms | Online Services | Search

Michigan Business Tax | Michigan Business Tax (MBT)

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Unemployment Insurance Agency
Labor & Economic Growth

Michigan.gov Home | UIA Home | Sitemap | Contact UIA | FAQ | Online Services | Search

Workers | Printer Friendly | Text Version | Email Page | A- A+ Text Size

Official State of Michigan Portal | Visit Governor Granholm

michigan.org Michigan's Official Economic Development and Travel Site

INFORMATION FOR
Travelers
Site Consultants
Equity Investors
Communities
Businesses
Media
More

BUSINESSES
Business Services
Business Events
Demographics
Financing/Incentives
Infrastructure
Internet Investment
Key Industries
Labor Information
Land & Buildings

Michigan Gives You The Upper Hand

Why Michigan | Our Services | Reference | Focus on Technology

Welcome Businesses

For any company already in Michigan or considering a location in the state, the Michigan Economic Development Corporation will give you the upper hand with a wide array of economic development tools. Whether expanding, relocating or just looking for help, the MEDC can assist with its one-stop business service.

Expanding Your Business | Financing Options

Michigan.gov Home | Site Map | Help & Contacts | State Web Sites | About this Site | Search

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Business & Economic Development

Now is the perfect time to begin your business relationship with Michigan - number one in the nation five years in a row for new plants and expansions.

Michigan Business News

- Michigan Business Tax Web Site Launched**
The Department of Treasury has created a comprehensive new site devoted to the MBT with up-to-date ...
- No Worker Left Behind**
Governor Granholm's new No Worker Left Behind (NWLB) plan will help more than 100,000 displaced workers ...
- Basic Records Management Workshop: An Introduction for Local Governments**

Business Quick Links

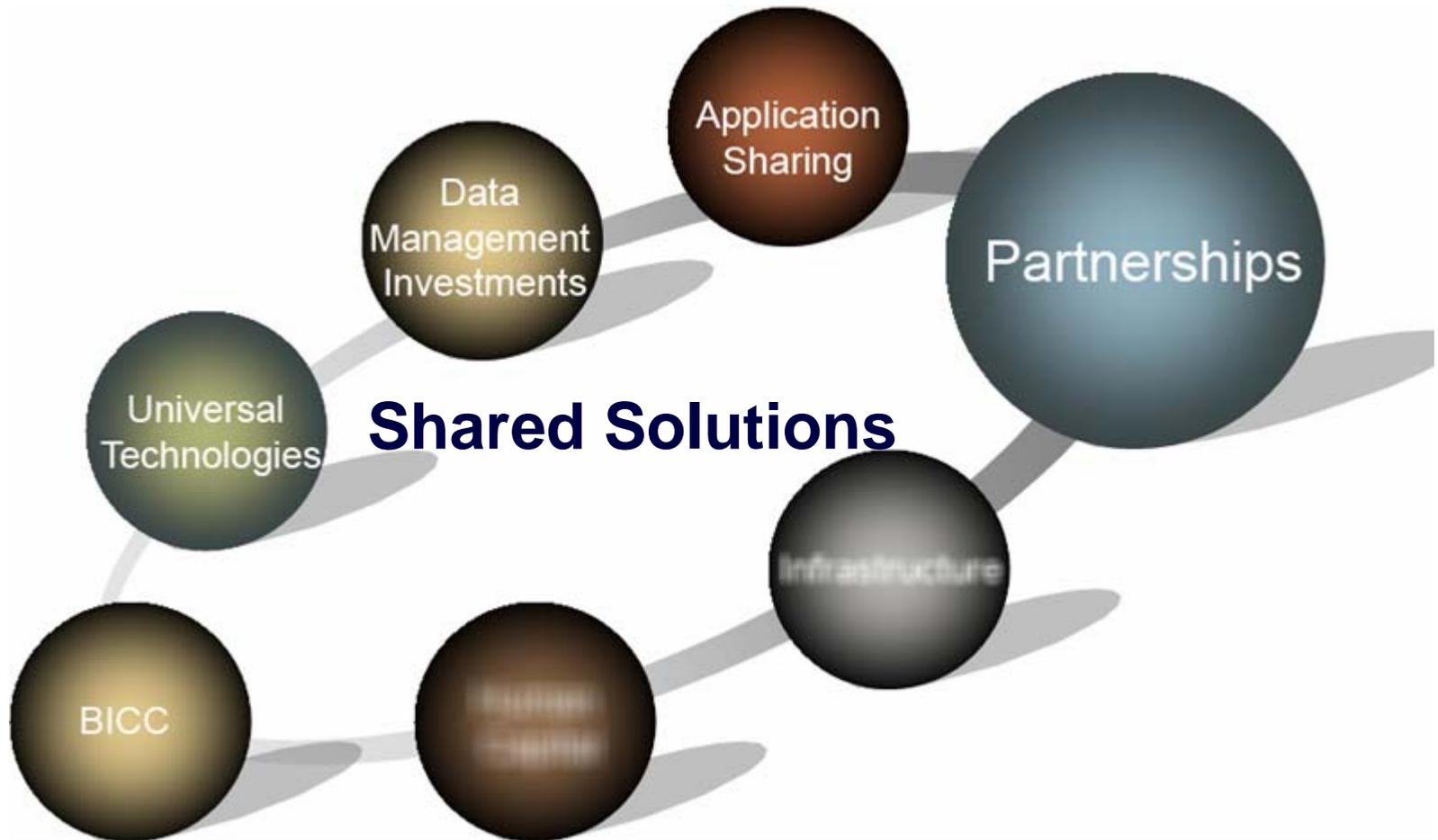
- Gas Prices
- Online Business Startup
- Doing Business With the State
- Michigan Economic Development Corporation
- Business Taxes Site Index
- Michigan Business Entity Search
- Uniform Commercial Code (UCC)

Featured Links

- MI Newswire
- Flag Honors
- Unclaimed Property
- Michigan eStore
- Tribal Governments



Partnerships

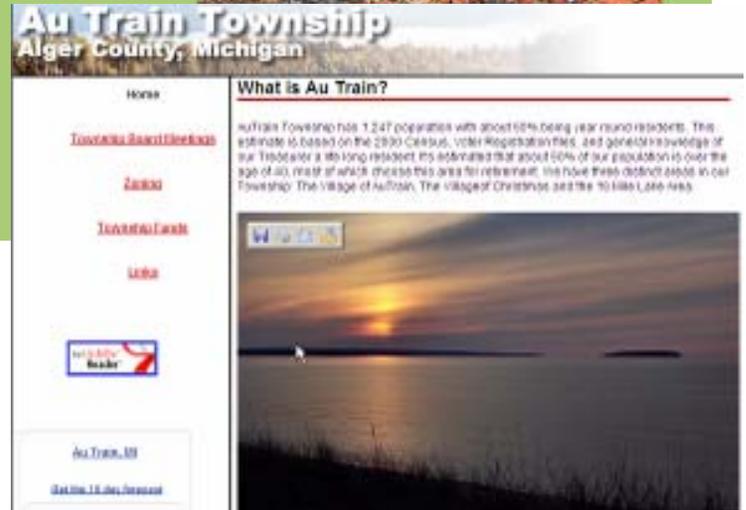
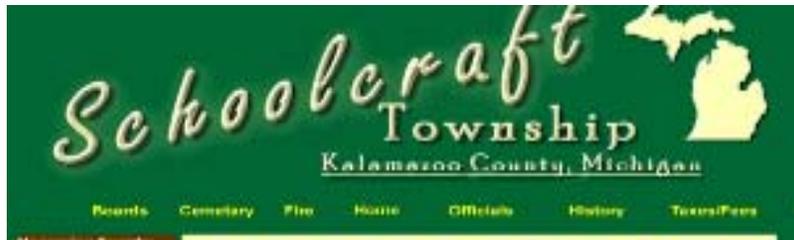


New Venture: eHealth Application Sharing

- ◆ eHealth: Automated permit and licensing system
 - Oakland County wrote the application
- ◆ Key Players
 - MDIT, Department of Agriculture and DEQ, public health organizations and county health departments
- ◆ Is it a good fit?
 - Agriculture and DEQ evaluated & Agriculture has selected eHealth to replace one of their old systems
 - Next up.... Get local public health organizations onboard



Local Web Site Partnership



State & Local Courts Video Conferencing



- ◆ Initial Program Goal:
 - Enable outside entities (Courts) to dial into the State's video conferencing network and conduct court procedures with DOC

- ◆ Benefits:
 - Eliminates personnel, transportation, and local overnight inmate housing costs
 - Enhances public safety and expedites process

- ◆ What's next...?
 - Expand judicial program to many Michigan counties
 - Coordinate a sequenced, priority-based implementation plan

Leverage Kiosk Installations

- ◆ Collaborating with Judicial and SOS to pilot the paying of court tickets (civil infractions) at the Ann Arbor Kiosk
- ◆ Pilot team finalizing requirements
- ◆ Expand to local units of government and other state agencies



Possibilities on the horizon....

- Parking ticket payments
- City Property Lookup
- Permit Application/Payment
- Tax Payments

2007 Multi-State Cyber Security Grant for Vulnerability Scanning



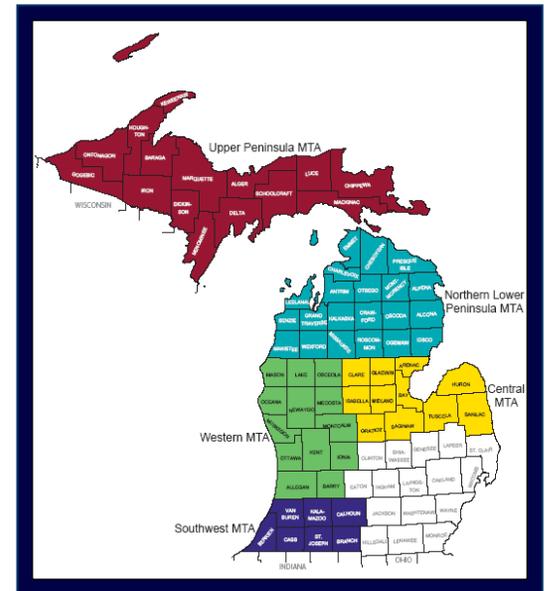
- ◆ DHS allocated grant funds to Michigan, New York and New Jersey
- ◆ For the purpose of establishing performing vulnerability assessments on local government Internet facing systems

Rural Health Care Pilot Program

Michigan Awarded \$21 Million from FCC

- ◆ State-wide, all-inclusive approach
 - Initial focus on the most rural areas
 - Includes 200-300 medical sites
- ◆ Covers 46,690 square miles
 - 82% of the State
 - 67 of the 83 counties

Benefits 3.8 million people
- ◆ \$24.6 million over a three year plan
- ◆ 4th largest award of 62 approved applications nationwide



The challenge for all of us: Stay connected....

Timeline

Building on Spatial Technology, Data Warehouse and Partnerships



Bored

Nov. 2007

Mar. 2008

Opportunity
is Everywhere



July 2008

Office of Technology Partnerships ▪
Video in Person



Aug. 2008

Virtual Earth ▪ E-health ▪
MDOT Reporting ▪ Addressing

Sept. 2008

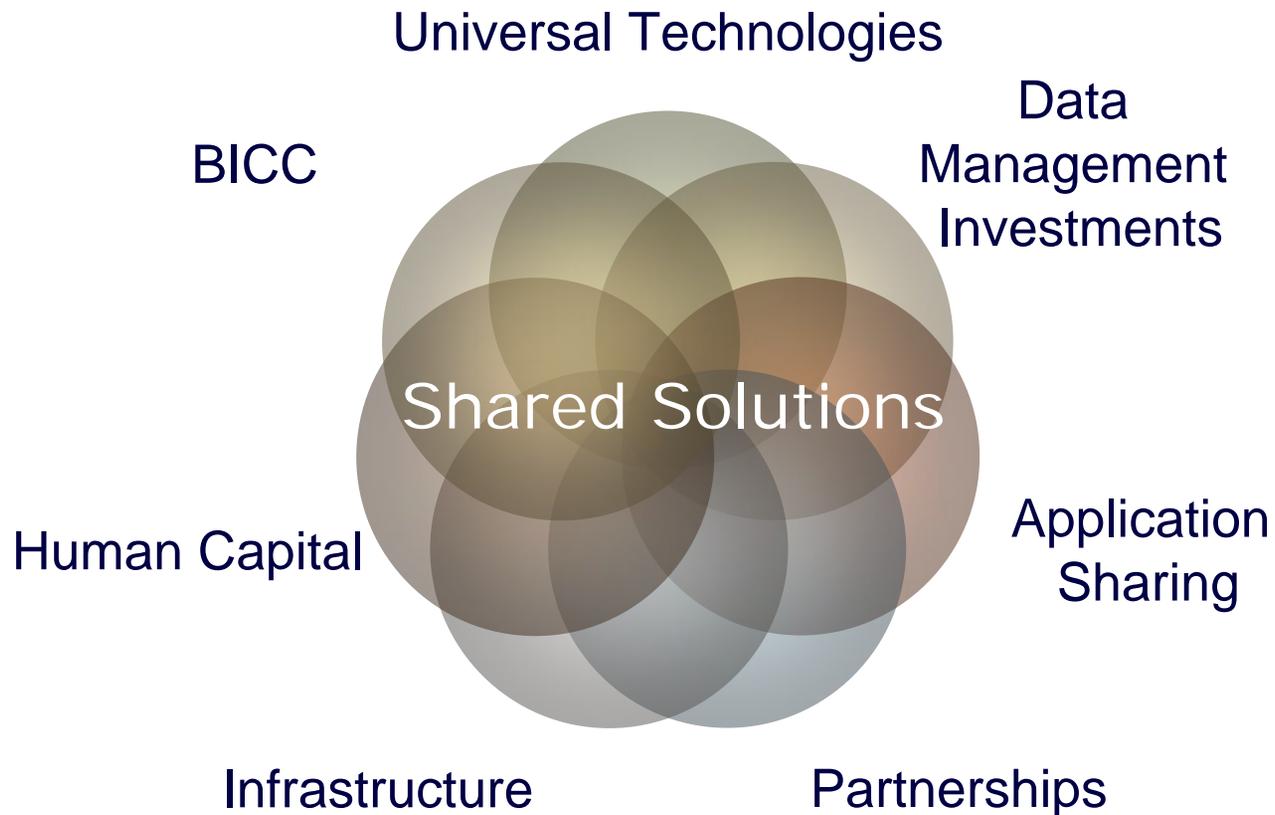
Treasury ETL ▪
Alpena Network Integration



Oct. 2008

Oracle Spatial Implementation ▪
Kiosk ▪ Vulnerability Scans ▪
Rural Health Care





Capitalized Start-Up “A New Model”



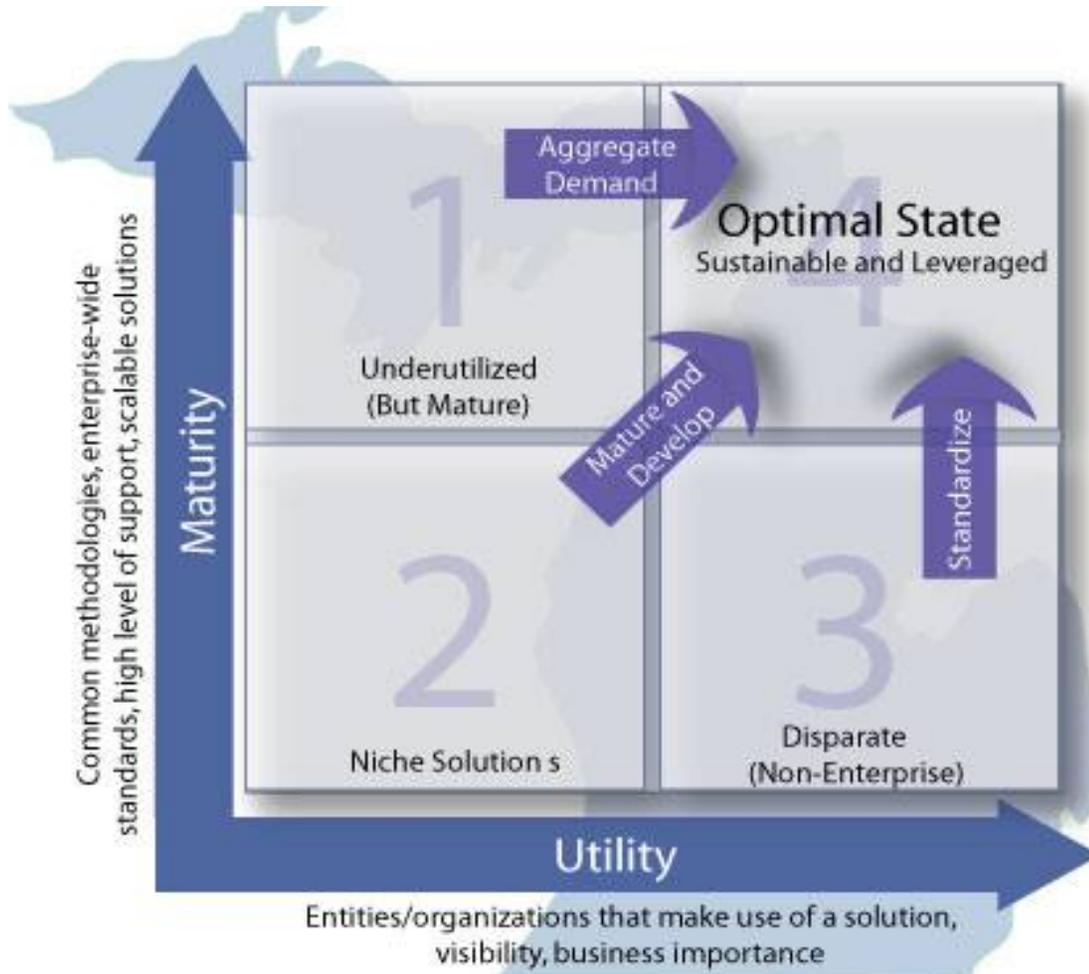
- ◆ Enterprise Software Upgrades
- ◆ Shared “Service Center Team” Formation
- ◆ Vendor Expertise On-Site
- ◆ MDIT Infrastructure Services Support Integrated
- ◆ MDIT EA Vetting Solutions
- ◆ MDIT Security Resolved
- ◆ MDIT Agency Services Delivering the Solution

“A cultural movement is born....”

Lessons Learned

- ◆ Evolve a Program-Be Opportunistic
- ◆ Do Not Get Overwhelmed
- ◆ Unite Key Political/Financial Allies
- ◆ Be Entrepreneurial-Stay Service Driven
- ◆ Leave Ownership with the Customer
- ◆ Don't Expect your Customer's Trust-Earn It!





Happy Customers



Priceless!

Thank You

