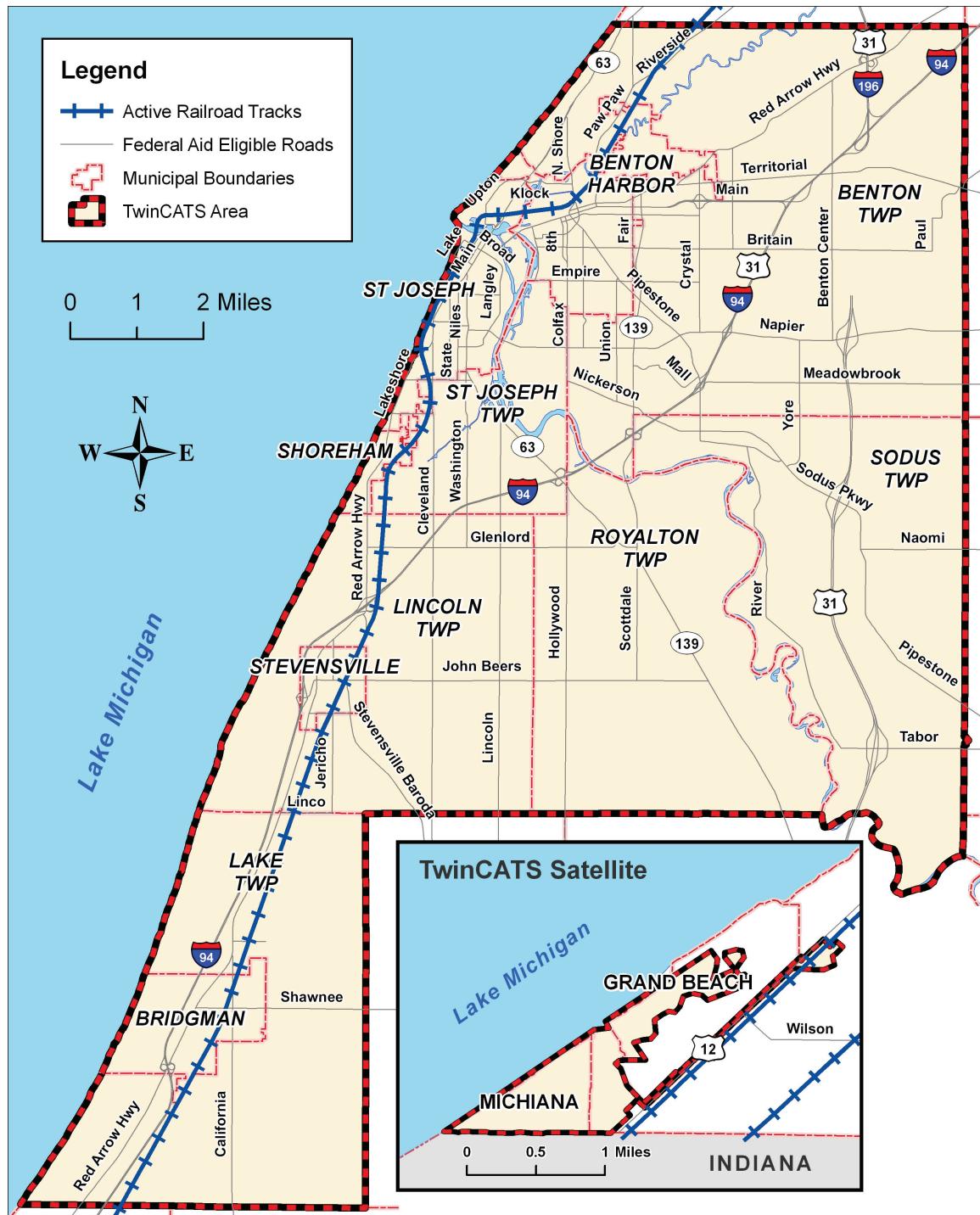


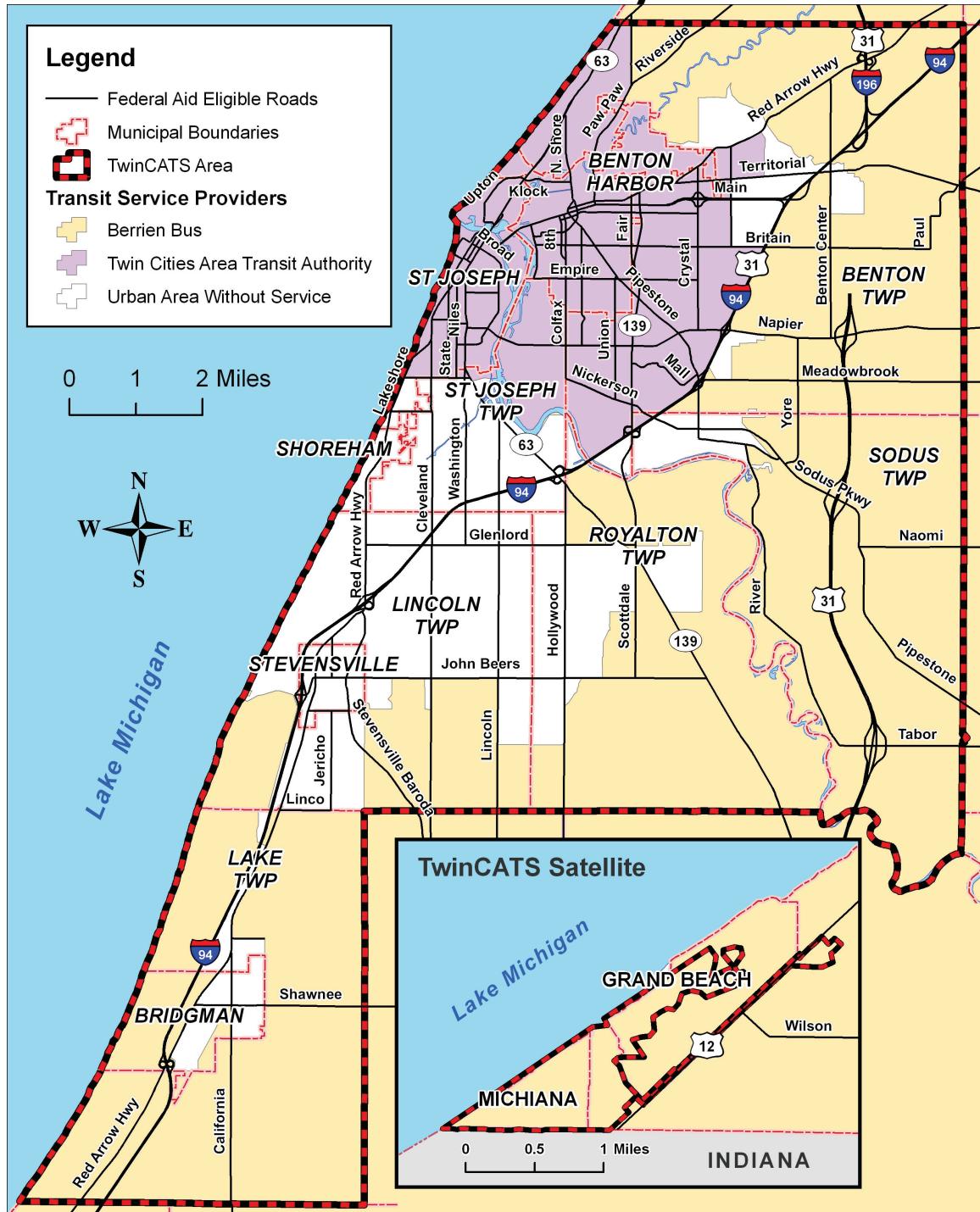
Appendix H. Rail System

TwinCATS Rail System



Appendix I. Transit System

TwinCATS Transit System

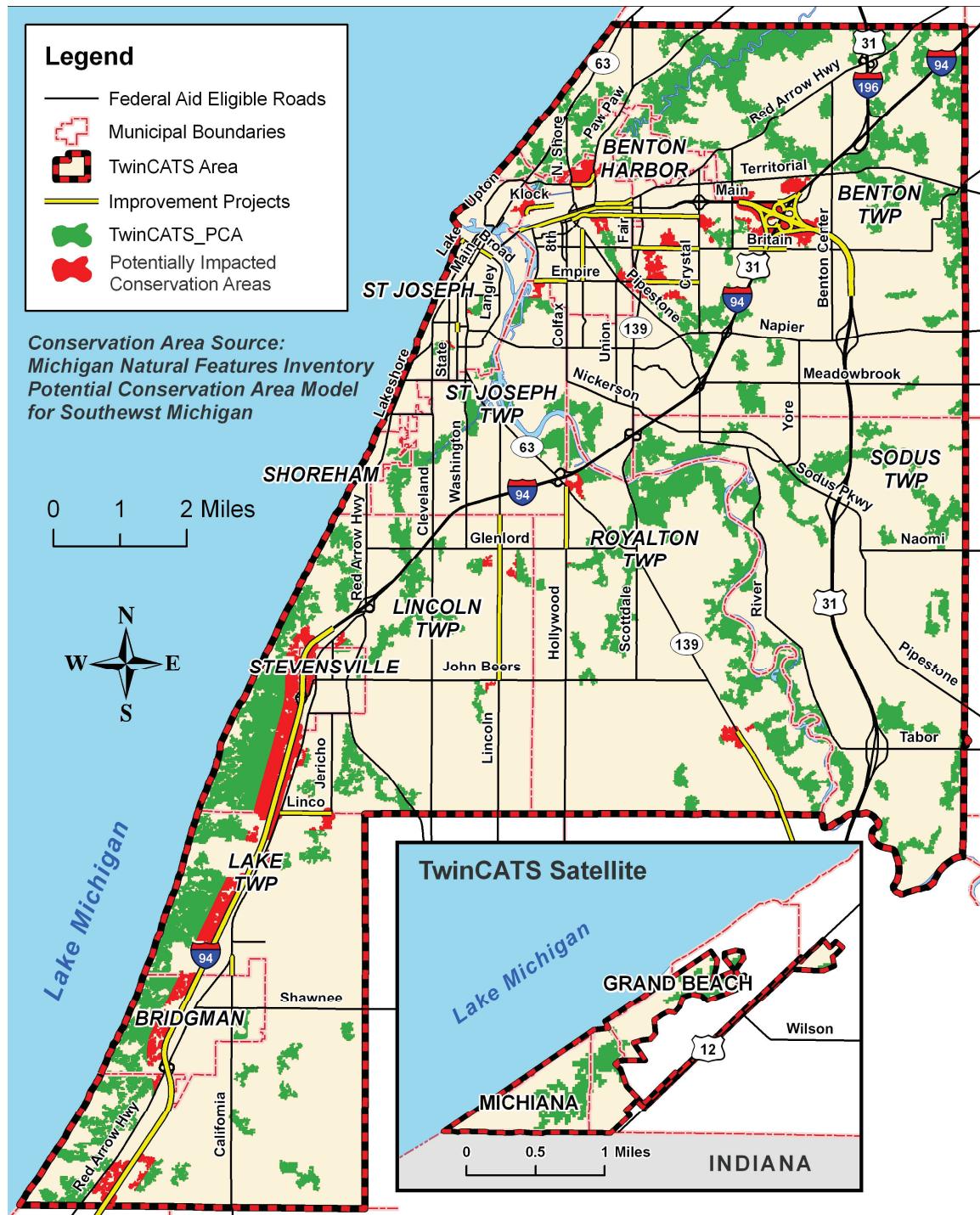


Appendix J. Environmental Mitigation Maps and Table

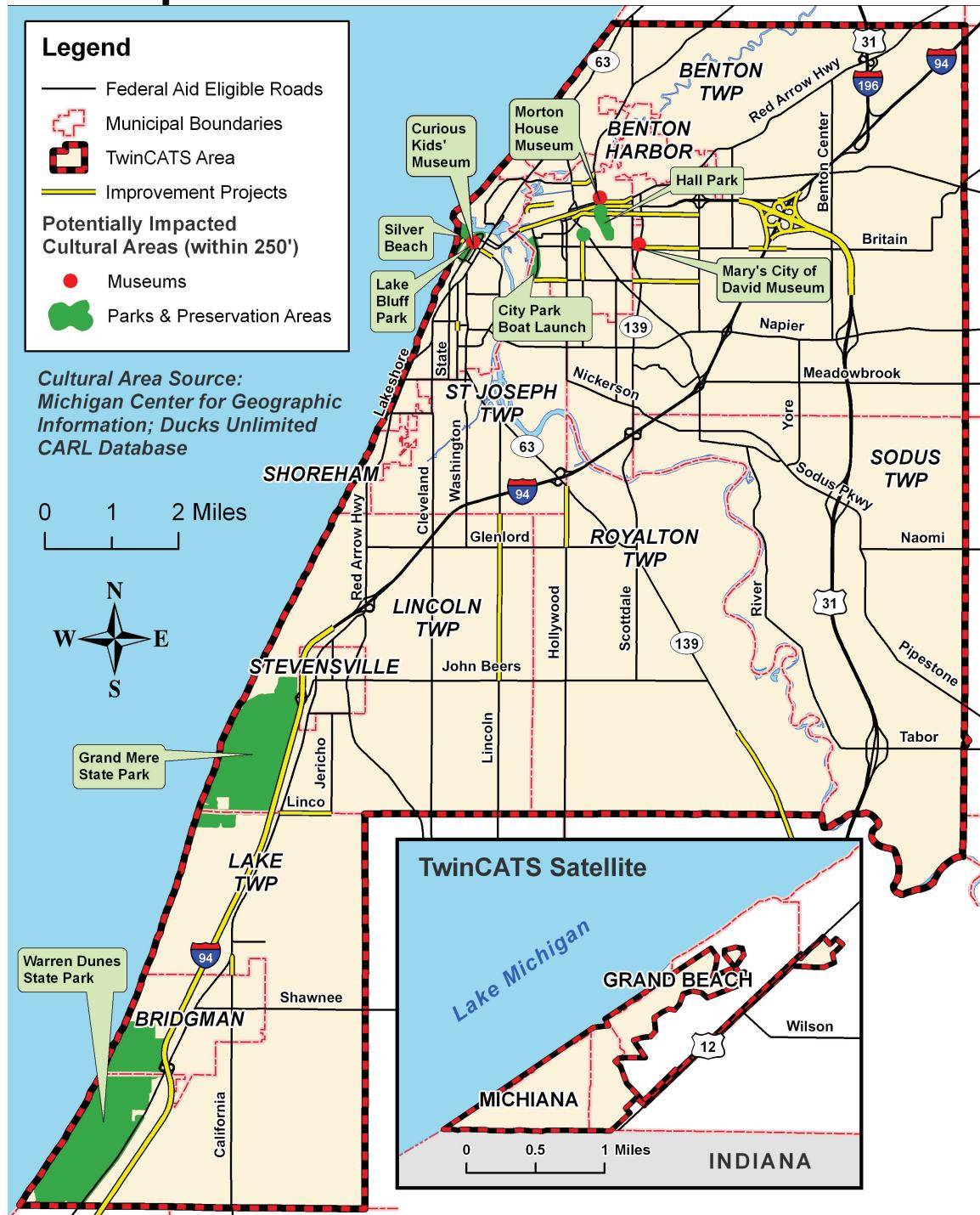
TwinCATS Environmental Mitigation Wetland Areas



TwinCATS Environmental Mitigation Conservation Areas



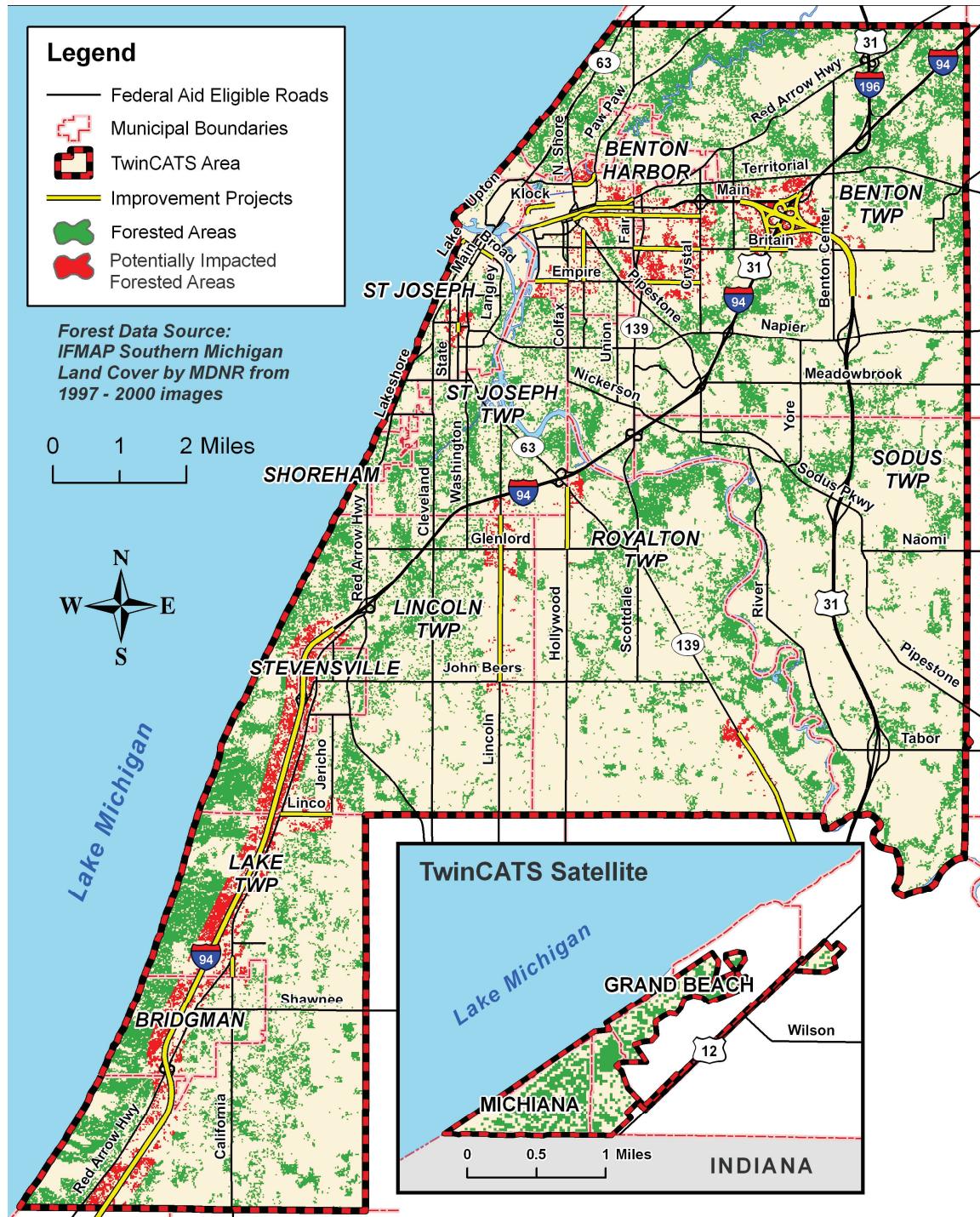
TwinCATS Environmental Mitigation Parks, preservation areas and Museums



TwinCATS Environmental Mitigation Flood Prone Areas



TwinCATS Environmental Mitigation Forested Areas



TwinCATS Environmental Mitigation Ground Water Recharge



TwinCATS Environmental Mitigation Water Features



TwinCATS Long Range Plan 2035 Projects and Environmental/Cultural Features													
Year	Project Name	Limits	Project Description	Agency	Floodplains	Wet lands	High Aquifer Recharge Areas	Water Features	Wood lands	Parks, Trails, Recreation Lands	Cultural significance	Cemeteries	Conservation Easements
Berrien County Road Commission Projects													
2009	Empire Ave	City of BH to Crystal	Resurface	Berrien Co. Road Commission	x	x	x	x	x	x	x	x	x
2009	Linco Rd	Red Arrow to Date	Resurface	Berrien Co. Road Commission	x	x	x	x	x	x	x	x	x
2009	Linco Road Bridge	Over Keelo Creek	Bridge replacement	Berrien Co. Road Commission	x	x	x	x	x	x	x	x	x
2010	Hollywood Rd	M-63 to Glenlord	Restore and Resurface	Berrien Co. Road Commission	x	x	x	x	x	x	x	x	x
2011	California Rd	City of Bridgman to Red Arrow	Resurface	Berrien Co. Road Commission	x	x	x	x	x	x	x	x	x
2011	Lincoln Ave	John Beers to Maiden Lane	Resurface	Berrien Co. Road Commission	x	x	x	x	x	x	x	x	x
2012	Britain Rd	City of BH to Crystal	Resurface	Berrien Co. Road Commission	x	x	x	x	x	x	x	x	x

2012	Highland Ave	City of BH to Crystal	Resurface	Berrien Co. Road Commission	x	x	x	x
2013	Hollywood Rd	Partial reconstruct of M-63 to 500 feet South of Glenford Road	Partial Reconstruct	Berrien Co. Road Commission	x	x	x	x
2014	Hollywood Rd	Partial reconstruct of M-63 to 500 feet South of Glenford Road	Partial Reconstruct	Berrien Co. Road Commission	x	x	x	x
2015	Hollywood Rd	Partial reconstruct of M-63 to 500 feet South of Glenford Road	Partial Reconstruct	Berrien Co. Road Commission	x	x	x	x
City of Benton Harbor Projects								
2010	Graham Avenue Extension	End of existing Graham Ave. to Riverview/Whitman Drive	New route/structure (capacity increase)	City of Benton Harbor	x	x	x	x
2010	Klock Road	Widen/Reconstruct M-63 to North Shore Dr. and extend from North Shore to Paw Paw	New route/structure (capacity increase)	City of Benton Harbor	x	x	x	x
2010	Highland Ave	Wall to Fair	Resurface	City of Benton Harbor	x	x	x	x
2011	Territorial Rd	Paw Paw to Fair	Resurface	City of Benton Harbor	x	x	x	x

2012	Broadway Avenue	Pipesstone Avenue to Empire Avenue	Resurface	City of Benton Harbor		x	x
2013	East Empire	Riverview Drive to Colfax Avenue	Resurface	City of Benton Harbor	x	x	x
City of St. Joseph Projects							
2010	Broad Street	Lake Blvd to State St. & Main St. (I94BL) to Wayne St.	Resurface	City of St. Joseph	x	x	x
2011	South State Street	Granada Avenue to Wallace Avenue	Reconstruct/AC	City of St. Joseph	x	x	x
2012	Lake Street	Elm Street to Broad Street	Resurface	City of St. Joseph	x	x	x
MDOT Projects							
2009	I-94 BL	Fair to River	Reconstruct	MDOT	x	x	x
2009	I-94 BL (Main St)	I-94 BL at Broad St.	Traffic operations	MDOT			
2009	M-139	M-139 at Fairplain	Traffic operations	MDOT			

2010	Britain Ave	Over I-94	Bridge replacement	MDOT		x	x	x
2010	I-94 BL	at I-94 in Stevensville	Roadside facility	MDOT				x
2010	I-94	from US-12 to I-94 Bl	Roadside facility	MDOT				
2010	M-139	North of US-31 junction	Resurface	MDOT	x	x	x	x
2012	I-94	North city limits of Bridgman to west of I-94 BL	Resurface	MDOT	x	x	x	x
2012	I-94	At Nickerson Road, M-40 at M-43, and I-94 at M-40	Resurface Carpool lots	MDOT				
2012	I-94	Under John Beers Road	Full Pave, Joint Replacement	MDOT	x	x	x	x
2013	I-94	Sawyer Road to north city limit of Bridgman	Mill and Resurface	MDOT	x	x	x	x
2030	US 31	Napier Ave to I-94	New route/structure (capacity increase)	MDOT	x	x	x	x

Project Name	Proposing Agency	Project Limits	Work Type	Estimated Year	Estimated Length Miles	Estimated STP (\$1000s)	Will this project add capacity?	Will this project alter traffic pattern?	Are all proposed improvements in the existing right-of-way?	Is the project resurfacing, safety, bus replacement, etc.?	Comments
I-94 BL	MDOT	Fair to River	Reconstruct	2009	1.76	13,986	No	Yes	Yes	Reconstruct	Reduce section from 5 lanes to 3 lanes, introduce two roundabouts.
I-94 BL (Main St)	MDOT	I-94 BL at Broad St.	Traffic operations	2009		259	No	Yes	Yes	CMAQ	Provide left turn phase on state trunkline route
M-139	MDOT	M-139 at Fairplain	Traffic operations	2009	0.1	330	No	Yes	Yes	CMAQ	Provide left turn phase on state trunkline route
Empire Ave	Berrien County Road Commission	City of BH to Crystal	Resurface	2009	0.99	180	no	no	yes	resurfacing	
Linco Rd	Berrien County Road Commission	Red Arrow to Date	Resurface	2009	0.77	301	no	no	yes	resurfacing	

Linco Road Bridge	Berrien County Road Commission	Over Keelo Creek	Bridge replacement	2009	0.11	400	no	no	2 grading permits	bridge replacement
Britain Ave	MDOT	Over I-94	Bridge replacement	2010	0.552	6,097	No	No	unknown	Bridge replacement
I-94 BL	MDOT	at I-94 in Stevensville	Roadside facility	2010	0.01	79	No	No	Yes	Carpool Parking Lot
I-94	MDOT	from US-12 to I-94 BL	Roadside facility	2010	19.34	3,816	No	No	Yes	Additional 20 spaces in carpool lot.
M-139	MDOT	North of US-31 junction	Resurface	2010	3.255	390	No	No	Yes	Safety
Hollywood Rd	Berrien County Road Commission	M-63 to Glenlo rd	Restore and Resurface	2010	0.91	383	no	no	yes	resurfacing

Broad Street	City of St. Joseph	Lake Blvd to State St. & Main St. (194B L) to Wayne St.	Resurface	2010	0.27	220	No	No	Yes	Yes
Graham Avenue Extension	City of Benton Harbor	End of existing Graham Ave. to Riverview/Whitman Drive	New route/structure (capacity increase)	2010	0.27	2,521	Yes	Yes	No	Connection from existing end of Graham Avenue to Whitman Drive/Riverview Drive

Klock Road	City of Benton Harbor	Widen /Reconstruct M-63 to North Shore Dr. and extended from North Shore to Paw Paw	New route/structure (capacity increase)	2010	0.62	2,286	Yes	Yes	No	Partial Resurface	Partial Extension to connect North Shore to Paw Paw
Highland Ave	City of Benton Harbor	Wall to Fair	Resurface	2010	0.81	194	No	No	Yes	Resurface	
California Rd	Berrien County Road Commission	City of Bridgeman to Red Arrow	Resurface	2011	0.29	73	no	no	yes	resurfacing	
Lincoln Ave	Berrien County Road Commission	John Beers to Maide n Lane	Resurface	2011	2.5	486	no	no	yes	resurfacing	

South State Street	City of St. Joseph	Granda Avenue to Wallace Avenue e	Reconstruct/A C	2011	0.17	208	No	No	Yes	No	Full reconstruction of the roadway including replacing storm sewer, sanitary sewer - separating the combined sewer in the process.
Territorial Rd	City of Benton Harbor	Paw Paw to Fair	Resurface	2011	0.59	280	No	No	Yes	Resurface	Detour Route for BL94 project
I-94	MDOT	North city limits of Bridgeman to west of I-94 BL	Resurface	2012	5.851	18,000	No	No	Yes	Resurface	
I-94	MDOT	At Nicker son Road, M-40 at M-43, and I-94 at M-40	Resurface Carpool lots	2012	0.011	27	No	No	Yes	Carpool Parking Lot	

I-94	MDOT	Under John Beers Road	Full Paint, Joint Replacement	2012	0.247	402	No	No	No	Yes	Bridge rehabilitation		
Britain Rd	Berrien County Road Commission	City of BH to Crysta l	Resurface	2012	1	186	no	no	yes	resurfacing			
Highlan d Ave	Berrien County Road Commission	City of BH to Crysta l	Resurface	2012	1	227	no	no	yes	resurfacing			
Lake Street	City of St. Joseph	Elm Street to Broad Street	Reconstruct	2012	0.1	236	No	No	Yes	No	Full reconstruction of the roadway.		
Broadw ay Avenue	City of Benton Harbor	Pipest one Avenu e to Empir e Avenu e	Resurface	2012	0.9	240	No	No	Yes	Resurface			

I-94	MDOT	Sawyer Road to north city limit of Bridgeman	Mill and Resurface	2013	5	16,450	No	No	Yes	Resurface
Hollywood Rd	Berrien County Road Commission	Partial reconstruct of M-63 to 500 feet South of Glenwood Road	Partial Reconstruct	2013	782	no	no	yes	reconstruction	
East Empire	City of Benton Harbor	Riverview Drive to Colfax Avenue	Resurface	2013	0.61	160	No	No	Yes	Resurface

				2014	1	no	no	yes	reconstruction
Hollywood Rd	Berrien County Road Commission	Partial reconstruct of M-63 to 500 feet South of Glenlo rd Road	Partial Reconstruct						
Hollywood Rd	Berrien County Road Commission	Partial reconstruct of M-63 to 500 feet South of Glenlo rd Road	Partial Reconstruct						
US 31	MDOT	Napier Ave to I-94	New route/structure (capacity increase)	2030	132,000	Yes	Yes	Yes	Capacity Improvement New Road; MDOT has purchased all needed ROW