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**JACKSON AREA COMPREHENSIVE TRANSPORTATION STUDY (JACTS)  
POLICY COMMITTEE**

**FOR FURTHER INFORMATION  
CONTACT:**

**Steven Duke, Executive Director  
Region 2 Planning Commission  
(517) 788-4426**

**DATE: December 20, 2018**

**TIME: 8:00 A.M.**

**PLACE: Jackson Co. Tower Bldg.  
120 W. Michigan Ave., - 5<sup>th</sup> Floor  
Jackson, MI 49201**

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**A G E N D A**

Comments will be solicited on each item following discussion and prior to any final action.

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1. Call to Order
2. Public Comment
3. Approve Minutes of the Policy Committee Meeting of November 15, 2018 and Receive the Minutes of the Technical Advisory Committee Meeting of November 14, 2018 (see enclosure) – **ACTION**
4. Agency Status Reports (see enclosures) – **DISCUSSION**
  - City of Jackson
  - Jackson Area Transportation Authority
  - Jackson County Department of Transportation
  - Michigan Department of Transportation
  - Jackson County Airport-Reynolds Field (not submitted)
  - Enterprise Group (<http://www.enterprisegroup.org>)
5. Approval of Amendments to the JACTS FY 2017–2020 Transportation Improvement Program (TIP) (see enclosure) – **ACTION**
  - Michigan Department of Transportation (MDOT)
6. Review Alternative Design Concepts for the West Avenue (US-127) / I-94 Interchange, Kelby Wallace, MDOT-Jackson TSC (see enclosure) – **PRESENTATION**
7. Review Draft JACTS FY 2020-2023 Transportation Improvement Program (TIP) Proposed Projects (see enclosure) – **DISCUSSION**
  - City of Jackson
  - Jackson County Department of Transportation
  - Michigan Department of Transportation
8. JACTS FY 2018 List of Federally Obligated Projects (see enclosure) – **DISCUSSION**
9. Joint City / County Non-Motorized Plan Update – **DISCUSSION**
10. Other Business
11. Public Comment
12. Adjournment

# Region 2 Planning Commission



## Jackson Area Comprehensive Transportation Study

### MINUTES

#### JACTS POLICY COMMITTEE

Jackson County Tower Building  
120 W. Michigan Avenue – 5<sup>th</sup> Floor  
Jackson, Michigan

**Thursday, November 15, 2018**

**Members Present:** David Herlein, Spring Arbor Township  
Phil Moilanen, Jackson Area Transportation Authority  
Jon Dowling, JACTS Technical Advisory Committee  
Eric Mullen, MDOT  
Bob Welsh, Region 2 Planning Commission  
Mike Trudell, Summit Township  
Mike Overton, Jackson County Department of Transportation  
Dan Wymer, Napoleon Township  
Keith Acker, Sandstone Charter Township  
Patrick Burtch, City of Jackson

**Members Absent:** Derek Dobies, Mayor, City of Jackson  
John Feldvary, Jackson County Airport-Reynolds Field  
Howard Linnabary, Leoni Township  
Steve Shotwell, Chair, Jackson County Board of Commissioners  
Pete Jancek, Vice-Chair, Blackman Charter Township

**Others Present:** Steve Duke, Region 2 Planning Commission  
Tanya DeOliveira, Region 2 Planning Commission  
Mike Davis, Jr., MDOT – University Region  
Kelby Wallace, MDOT – Jackson TSC  
Angela Kline, JCDOT  
Bret Taylor, JCDOT

#### ITEM 1      CALL TO ORDER

With of Chair Shotwell and Vice-Chair Jancek being absent, Acting Chair Dowling called the meeting to order at 8:05 AM.

#### ITEM 2      PUBLIC COMMENT

No public comments were received.

## JACTS POLICY COMMITTEE MINUTES

November 15, 2018

Page 2

### ITEM 3      APPROVE MINUTES OF THE POLICY COMMITTEE MEETING OF OCTOBER 11, 2018 AND RECEIVE THE TECHNICAL ADVISORY COMMITTEE MINUTES OF OCTOBER 9, 2018

A motion was made by Mr. Trudell, and supported by Mr. Wymer, to approve the Policy Committee meeting minutes of October 11, 2018 and receive the Technical Advisory Committee meeting minutes of October 9, 2018 as presented. The motion passed unanimously.

### ITEM 4      AGENCY STATUS REPORTS

Project status updates were presented by the City of Jackson, Jackson County Department of Transportation (JCDOT), Jackson Area Transportation Authority (JATA), and the Michigan Department of Transportation (MDOT). The City of Jackson reported that the Fourth Street - Horton to Audubon paving project did not take place on November 9 as expected. The base course went on November 14, however, the top coat could not be applied due to the cold weather. The project will be completed based on the weather. JATA reported that the bids for the HVAC project came in much higher than estimated, and they are considering how they will manage the project. JCDOT reported that the King Road project was in the January letting. The Norvell Road project was awarded and in the next few weeks the contractors will begin with the tree work. MDOT reported that the I-94 shoulder work is complete for the season, but work on the bridge will continue over the winter. The Lakelands trail project will also continue over the winter.

### ITEM 5      APPROVAL OF AMENDMENTS TO THE JACTS FY 2017 – 2020 TIP

Mr. Davis requested the following amendments to the JACTS FY 2017 – 2020 Transportation Improvement Program (TIP). The proposed amendments are:

FY & Job No.	Project Name	Limits	Project Description	Phase	Length	Federal Budget	Federal Fund Source	State Budget	Total Phase Cost	Amendment Type
2019 203028	I-96 E	Jackson County	Application of longitudinal pavement markings	PE	1.165	\$270	HSIP	\$30	\$2,500	Length change from 0 to 1.165
2020 202119	M-106	M-106 & I-94 BL	Non-freeway signing upgrade	CON	27.44	\$276,000	NHG	\$0	\$276,000	Length change from 31.612 to 27.44
2019 204793	I-94 E	Various locations in Jackson County	Install ITS devices along I-94 throughout Jackson County	PE	25.327	\$355,394	ITS	\$88,848	\$444,242	Phase add
2019 203028	I-96 E	Jackson County	Application of longitudinal pavement markings	CON	1.165	\$346,622	HSIP	\$38,514	\$2,685,000	Length change from 0 to 1.165
2020 204793	I-94 E	Various locations in Jackson County	Install ITS devices along I-94 throughout Jackson County	CON	25.327	\$1,709,176	ITS	\$427,295	\$2,136,471	Phase add

**JACTS POLICY COMMITTEE MINUTES****November 15, 2018****Page 3**

2019 203029	I-96 E	Jackson County	Application of special pavement markings	CON	2.553	\$1,125	HSIP	\$125	\$460,000	Length change from 0 to 2.553
2019 203515	I-96 E	Jackson County	Pavement marking retro reflectivity readings and condition assessment	CON	2.641	\$1,854	HSIP	\$206	\$14,000	Length change from 0 to 2.641
2019 203029	I-96 E	Jackson County	Application of special pavement markings	PE	2.553	\$90	HSIP	\$10	\$5,000	Length change from 0 to 2.553

A motion was made by Mr. Moilanen, supported by Mr. Trudell to approve the proposed MDOT amendments as presented. The motion carried unanimously.

**ITEM 6**      **JACTS FY 2020 – 2023 TIP PROJECT DEVELOPMENT**

Mr. Duke led the discussion on the development of the JACTS FY 2020 – 2023 TIP. He reported that the subcommittee of the City, County, JATA, and MDOT met to discuss the projects proposed for the FY 2020 – 2023 TIP. The preliminary list of projects was selected. Once the City and the County have approval from their respective boards, the list will be brought forward through the Region 2 Planning Commission approval process.

**ITEM 7**      **JACKSON COUNTY RURAL TASK FORCE MEETING / CALL FOR FY 2020 – 2023 RTF PROJECTS**

Ms. DeOliveira reported that the Jackson County Rural Task Force meeting to discuss the proposed FY 2020 – 2023 road and transit projects has been scheduled for Wednesday, December 12th, at the JCDOT offices at 1:30 PM. Mr. Duke explained that these potential projects must be located outside the Jackson urbanized area boundary and submitted by an eligible Act 51 agency (JCDOT, JATA, villages). Ms. Kline noted that JCDOT is currently meeting with local communities prior to the December 12<sup>th</sup> meeting to discuss any of the townships' project proposals.

**ITEM 8**      **UPDATE FOR THE JOINT CITY / COUNTY NON-MOTORIZED PLAN**

Ms. DeOliveira reported that a consultant had been selected, and that staff is working on the development of the contract. Once MDOT and the Region 2 Planning Commission are comfortable with the contract, it will be passed on to the consultants to sign. When the consultants sign the contract, and MDOT has approved the contract, work on the project will begin. Public involvement is critical to the success of the project, and committee members are invited to be involved in the planning process. Mr. Duke noted that by having non-motorized projects in this plan, communities will be better aligned to potentially receive grant funding.

**ITEM 9**      **OTHER BUSINESS**

There was no other business to report.

**JACTS POLICY COMMITTEE MINUTES**

**November 15, 2018**

**Page 4**

**ITEM 10**      **PUBLIC COMMENT**

No public comments were received.

**ITEM 11**      **ADJOURNMENT**

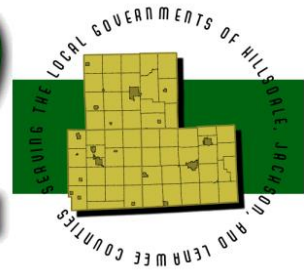
There being no further business, Acting Chair Dowling adjourned the meeting at 8:55 am.

Tanya DeOliveira, AICP  
Principal Transportation Planner

# Region 2

## Planning Commission

### Jackson Area Comprehensive Transportation Study



#### MINUTES

##### JACTS TECHNICAL ADVISORY COMMITTEE

Jackson City Hall  
161 W Michigan Ave – 10<sup>th</sup> Floor  
Jackson, MI 49201

**Wednesday, November 14, 2018**

Members Present: Jeff Franklin, MDOT- Lansing  
Troy White, City of Jackson-Engineering  
Jon Dowling, Chair, City of Jackson – Engineering  
Jack Ripstra, Blackman Charter Township  
Corey Clevenger (Alt.), Jackson County Dept. of Transportation  
Bret Taylor, Jackson County Dept. of Transportation  
Jeff Wickman, Jackson Area Transportation Authority  
Amy Torres, The Enterprise Group  
Angela Kline, Vice-Chair, Jackson County Dept. of Transportation

Members Absent: Andy Pickard, FHWA (Ex-officio)  
Juan Zapata, Jackson County Airport – Reynolds Field  
Steve Duke, Region 2 Planning Commission  
Vacant, City of Jackson Public Works  
Kari Martin, MDOT-University Region

Others Present: Tanya DeOliveira, Region 2 Planning Commission  
Kelby Wallace, MDOT– Jackson TSC  
Maria Habba, MDOT – OPT  
Michelle Weber-Currie – OPT  
Teresa Vanis – MDOT Real Estate

#### ITEM 1      CALL TO ORDER

Chair Dowling called the meeting to order at 9:34 AM.

#### ITEM 2      PUBLIC COMMENT

No public comments were received.

**ITEM 3**      **APPROVE MINUTES OF THE TECHNICAL ADVISORY COMMITTEE MEETING OF OCTOBER 9, 2018 AND RECEIVE THE POLICY COMMITTEE MINUTES OF OCTOBER 11, 2018**

A motion was made by Mr. Ripstra, and supported by Vice-Chair Kline, to approve the Technical Advisory Committee meeting minutes of October 9, 2018 and receive the Policy Committee meeting minutes of October 11, 2018 as presented. The motion passed unanimously.

**ITEM 4**      **AGENCY STATUS REPORTS**

Project status updates were presented by the City of Jackson, Jackson County Department of Transportation (JCDOT), Jackson Area Transportation Authority (JATA), and the Michigan Department of Transportation (MDOT). The City of Jackson reported that the Fourth Street (Horton to Audubon) paving project did not occur on November 9 as expected. Completion of the project this year depends on the weather warming up before Thanksgiving. JATA noted that the HVAC bid process was not successful because the bids came in too high. JCDOT reported that the Norvell Road project has been awarded and that tree work will begin soon. The West Michigan Avenue project will likely carry over to the Spring 2019 season. MDOT reported that the shoulder work on I-94 is complete, and that traffic lanes will be open for the winter season. Work will also continue on the Lakelands trail project.

**ITEM 5**      **APPROVAL OF AMENDMENTS TO THE JACTS FY 2017 – 2020 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Mr. Franklin reported that MDOT was requesting the following amendments to the JACTS FY 2017 – 2020 Transportation Improvement Program (TIP):

FY & Job No.	Project Name	Limits	Project Description	Phase	Length	Federal Budget	Federal Fund Source	State Budget	Total Phase Cost	Amendment Type
2019 203028	I-96 E	Jackson County	Application of longitudinal pavement markings	PE	1.165	\$270	HSIP	\$30	\$2,500	Length change from 0 to 1.165
2020 202119	M-106	M-106 & I-94 BL	Non-freeway signing upgrade	CON	27.44	\$276,000	NHG	\$0	\$276,000	Length change from 31.612 to 27.44
2019 204793	I-94 E	Various locations in Jackson County	Install ITS devices along I-94 throughout Jackson County	PE	25.327	\$355,394	ITS	\$88,848	\$444,242	Phase add
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2020 204793	I-94 E	Various locations in Jackson County	Install ITS devices along I-94 throughout Jackson County	CON	25.327	\$1,709,176	ITS	\$427,295	\$2,136,471	Phase add

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2019 203515	I-96 E	Jackson County	Pavement marking retro reflectivity readings and condition assessment	CON	2.641	\$1,854	HSIP	\$206	\$14,000	Length change from 0 to 2.641
2019 203029	I-96 E	Jackson County	Application of special pavement markings	PE	2.553	\$90	HSIP	\$10	\$5,000	Length change from 0 to 2.553

A motion was made by Ms. Torres, supported by Mr. Ripstra, to approve the proposed MDOT amendments as presented. The motion carried unanimously.

**ITEM 6**      **JACTS FY 2020 – 2023 TIP PROJECT DEVELOPMENT**

Ms. DeOliveira shared that the Region 2 Planning Commission, the City of Jackson, Jackson County, JATA, and MDOT had a meeting to discuss the potential projects for the FY 2020 – 2023 TIP. A preliminary project list has been determined. Once the City and County get approval from their respective governing bodies, the project list will be reviewed, discussed, and approved through the MPO approval process.

**ITEM 7**      **JACKSON COUNTY RURAL TASK FORCE MEETING / CALL FOR FY 2020 – 2023 RTF PROJECTS**

Ms. DeOliveira reported that the Jackson County Rural Task Force meeting to discuss the FY 2020 – 2023 road projects has been scheduled for Wednesday, December 12th, at the JCDOT offices at 1:30 PM. This will be an opportunity to develop a list of projects located in Jackson County outside the city's urbanized area. Public notices have been sent to public officials, and the meeting will be publicized in the local newspapers and the Region 2 Planning Commission website.

**ITEM 8**      **UPDATE FOR THE JOINT CITY / COUNTY NON-MOTORIZED PLAN**

Ms. DeOliveira reported that a consultant has been selected. Staff is working through the contract development with MDOT and the consultant. Once the contract has been signed work on the project will begin.

**ITEM 9**      **OTHER BUSINESS**

There was no other business to report.

**ITEM 10**      **PUBLIC COMMENT**

No public comments were received.



ITEM 11      **ADJOURNMENT**

There being no further business, Chair Dowling adjourned the meeting at 10:05 AM.

Tanya DeOliveira, AICP  
Principal Transportation Planner

**TO:** JACTS Technical Advisory and Policy Committees

**DATE:** December 4, 2018

**FROM:** Jon H. Dowling, P.E.

**SUBJECT:** TIP Project Status

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**2018**

Fourth Street: Horton to Audubon (Urban) – Roadway resurfacing with a new roundabout at Hickory and Fourth. MSG is the City's consultant. The project was in the MDOT July letting with Bailey Excavating as the low bidder. **The area around the roundabout is complete. The project has shut down for the winter with the West Ave and Fourth Street roundabout and the remainder of the paving to be finished next spring.**

Fourth Street and Horton Intersection (Urban) – Intersection realignment and new Traffic Signal. HRC is the City's consultant. The project was in the MDOT August letting with Hoffman as the low bidder. **The start date will be in the spring of 2019.**

**2019**

Greenwood/Wilkins Streets: Morrell to Jackson (Urban) – Reconstruct roadway. HRC is the City's consultant on this project and survey and design work has started.

**2020**

Francis Street: Morrell to Mason (Urban) – Reconstruct roadway. HRC is the City's consultant on this project and survey and design work has started.

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**PROJECT REPORT**  
**2017-2020 TIP**

*December 2018*

**FY2018**

1. Vehicle Procurements
  - a. (1) Utility Work Truck – RFQ was released on Nov. 28<sup>th</sup> with a due date for quotes to be submitted by Dec. 10<sup>th</sup> at 5:00PM.
2. Facility Upgrades
  - a. Replace HVAC system at main office – Last solicitation failed and are currently evaluating and working with MDOT on either revising the solicitation or developing a different strategy to have companies submit the solicitation.

**FY2019**

1. Vehicle Procurements
  - a. (4) Medium duty vans – Chosen as pilot agency to begin ordering off state contract as of Dec. 1<sup>st</sup>. Hope to begin this project shortly after the new year.
  - b. (1) Gillig Bus Replacement – Awarded by MDOT.
2. Bus & Bus Components
  - a. Replace radio system and bus radios –Project will begin sometime Spring 2019.
3. Facility Upgrades
  - a. Admin office rehab and update – Project will begin in 2019.
  - b. Surveillance upgrades (cameras, gates, etc..) – Project will begin in 2019.



# *Jackson County*

## *Department of Transportation*



Christopher J. Bolt, MPA, PE  
*Managing Director*

Angela N. Kline, PE  
*Director of Engineering*  
*Deputy Managing Director*

Robert D. Griffis  
*Director of Operations*  
*Deputy Managing Director*

*Keeping Our Community Safely in Motion...*

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## JACTS Update

### December 2018

### 2018 PROJECTS

- **BERRY ROAD (RIVES EATON ROAD TO LANSING AVE)), RIVES EATON ROAD (PERRINE ROAD TO BERRY ROAD) and WEST MICHIGAN AVE (GLASGOW ROAD THROUGH PARMA VILLAGE)**
  - Work is complete
- **AIRPORT ROAD AND COUNTY FARM ROAD INTERSECTION**
  - Work is complete.
- **ANN ARBOR ROAD PATHWAY**
  - Work is complete.
- **KING ROAD**
  - Materials will be submitted beginning of December for the project to get into the January letting.
- **MOON LAKE ROAD BRIDGE**
  - This project is the December MDOT letting.
- **NORVELL ROAD**
  - Tree work has begun.
- **RIVES JUNCTION ROAD PATHWAY**
  - This project will be finished in the spring.
- **WEST MICHIGAN AVE FROM M-60 TO GLASGOW**
  - This project will be finished in the spring.

- **MICHIGAN AVE BRIDGE**
  - We are submitting the final plans to MDOT for a letting the beginning of 2019.
- **PREVENTATIVE MAINTENANCE**
  - The project will begin in the spring.
  - Preventative Maintenance work is planned for the following roads:
    - Napoleon Road (M-50 to Lee)
    - Berry Road (Lansing to M-106)
    - Callahan Road (W. Michigan to Devereaux)
    - Bowerman Road (Fowler to Cochran)
    - Fowler Road (Rountree to Bowerman)
    - Rountree Road (County line to Fowler)
    - Pink Street (County line to M-124)
    - Territorial Road (M-106 to M-52)

## **2019 PROJECTS**

- **LAURENCE ROAD**
  - We are beginning scoping and design on this project.
- **W. MICHIGAN AVE**
  - This project has been completed by 2018 purchased federal aid. We will do a TIP amendment to move to a county wide PM project at the RTF meeting this month.



RICK SNYDER  
GOVERNOR

STATE OF MICHIGAN  
**DEPARTMENT OF TRANSPORTATION**  
LANSING

KIRK T. STEUDLE  
DIRECTOR

December 19, 2018

**FY 2018**

**I-94 (M-60 to Sargent)** Work on mainline I-94 is done until 2019. Work will continue on the new EB I-94 bridge through the winter.

**I-94 (Over Conrail and the Grand River)** – Bridge Replacement

**I-94 (M-60 to Sargent Rd)** – Reconstruction and rehabilitation

**I-94 (M-106 NB & SB (Cooper St))** – Bridge Replacement

**M-106 (Ganson to Porter)** - CPM resurfacing

**I-94 at Sargent** Install wrong way warning system. Installed and should be operational soon.

**FY 2019**

**Construction:**

**M-106 (Lakelands Trail Expansion Phase 1 & 2)** – Non-Motorized Trail.

**I-94 at Grass Lake Weigh Station** Install additional parking. Construction in 2019.

**M-124 (US-12 to M-50)** is a single course mill & resurface CPM project with TAP funds to pave the gravel shoulder.

**M-60 (Chapel to Emerson Rd)** – Resurfacing and widening for center left turn lane. The letting date for this project is February 2019 and construction will begin in Spring 2019. Continuing to evaluate drainage options and evaluate Right-of-Way for the project.

**US-127 (Ayers to I-94)** – CPM project including microsurfacing from Ayers to Floyd and concrete pavement repairs from Floyd to I-94. May be constructed in 2020 to avoid conflicts with I-94 project.

**Various traffic signal replacement** – Signal modernization project that includes signals at US-127/Jefferson, West Ave (127BR)/Boardman, and EB I-94 exit ramp at West Ave (127BR).

**Various routes** – pavement markings

**Various routes** – crack sealing

**Design:**

**M-60 over I-94** - Bridge replacement (2020 construction)

**US-127 (I-94 to Parnall)** – state funds only, major resurfacing (2020 construction)

**M-50 (Brooklyn village limits)** – Preventative maintenance resurfacing and ADA ramps (2020 construction)

**M-106 and I-94BL** – Non-freeway signing upgrade (2020 construction)

**I-94 (countywide)** – ITS devices (2020 construction)

**US-127 (Henry to near Ingham Co Line)** – state funds only, major resurfacing (2021 construction)

December 6<sup>th</sup>, 2018

Mr. Steve Duke,  
Executive Director  
Region 2 Planning Commission  
Jackson County Tower Building  
120 W. Michigan Avenue, 9th Floor  
Jackson, Michigan 49201

Dear Mr. Duke:

This letter is sent by the Michigan Department of Transportation (MDOT) to inform the Jackson Area Comprehensive Transportation Study committees of three TIP amendments to the FY 2017-2020 Transportation Improvement Plan (TIP).

FY	Job no.	Project Name	Limits	Project Description	Phase	Length	Federal Budget	Federal Fund Source	State Budget	Total Phase Cost	Amendment Type
2019	127537	M-60 E	EB and WB over I-94	Bridge Replacement	Utility	1.564	\$225,000	IM	\$25,000	\$2,500	Phase Add
2020	127537	M-60 E	EB and WB over I-94	Bridge Replacement	CON	1.564	\$9,055,800	IM	\$1,006,200	\$10,062,000	Cost Change From \$14,287,073
2020	202571	M-50	M-99 and M-52 & M-124 btwn M-50 and US-12	Non-freeway signing upgrade	CON	54.98	\$613,107	STG	\$0	\$613,107	Length Change From 66.128 To 54.981

Thank you for your attention to this request. If you have any questions or need additional information, please contact Mike at 517-750-0405.

Sincerely,  
Mike Davis, Transportation Planner  
Jeff Franklin, Transportation Planner



PRELIMINARY 12/3/18

# I-94/WEST AVENUE INTERCHANGE UPDATE





# I-94/West Ave Interchange

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- Originally scoped between 2002 and 2006 as part of the Jackson I-94 Modernization Project Environmental Impact Statement
- During the Draft Environmental Impact Statement review local stakeholders expressed opposition to the selected alternative
- New alternative selected through Consensus Building Committee (CBC)

# Consensus Building Committee (CBC)

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- MDOT
- FHWA
- Jackson County Board of Commissioners
- Blackman Township
- Jackson County Road Commission
- City of Jackson
- Region 2
- Enterprise Group

# CBC Screening Criteria

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- Improving safety
- Separating local traffic from freeway traffic
- Reducing the number of signals along US-127
- Minimizing displacements
- Enhancing economic development





PRELIMINARY 12/3/18

# Alternative Comparison

## DEIS Preferred Alternative



## CBC Selected Alternative



# Goal of Today's Presentation

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- Identification of additional interchange options that will be needed as part of a future environmental re-evaluation process

# Current Study Goals

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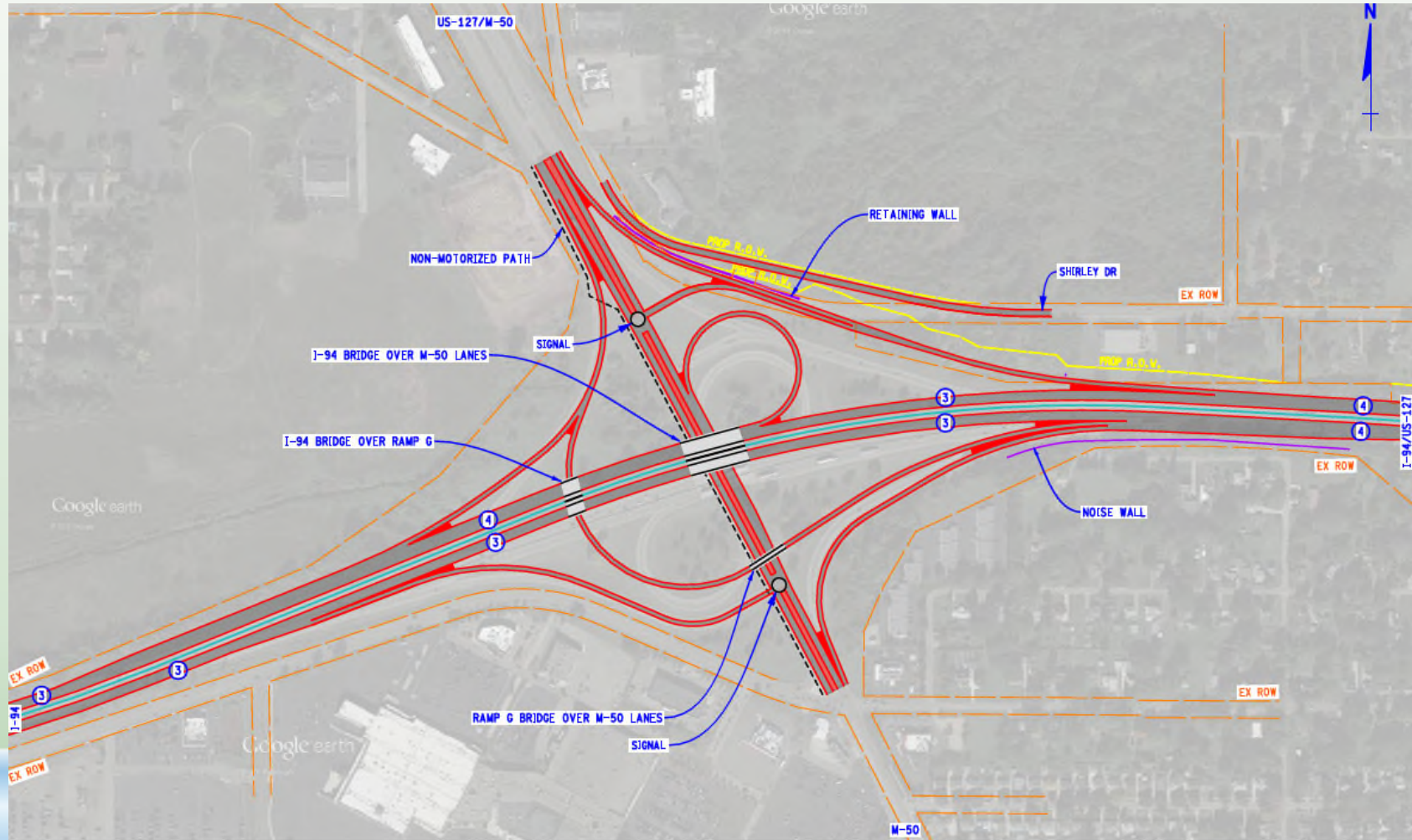
- Evaluate innovative interchange treatments to
  - Minimize ROW impact
  - Improve Safety
  - Enhance non-motorized connection
  - Update costs and traffic analysis





PRELIMINARY 12/3/18

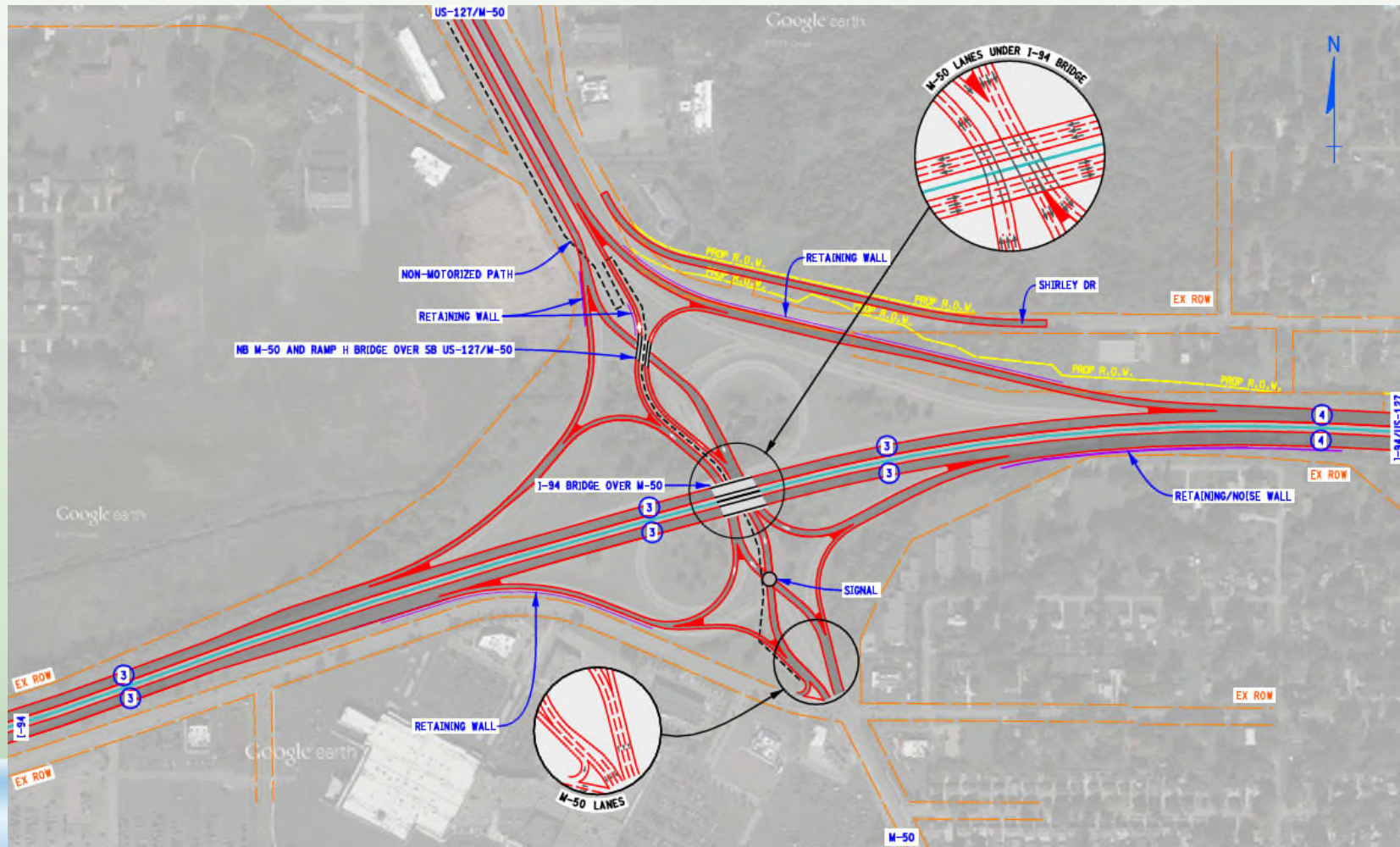
# Alt 1: Fly-Through





PRELIMINARY 12/3/18

# Alt 2: Grade Separated DDI

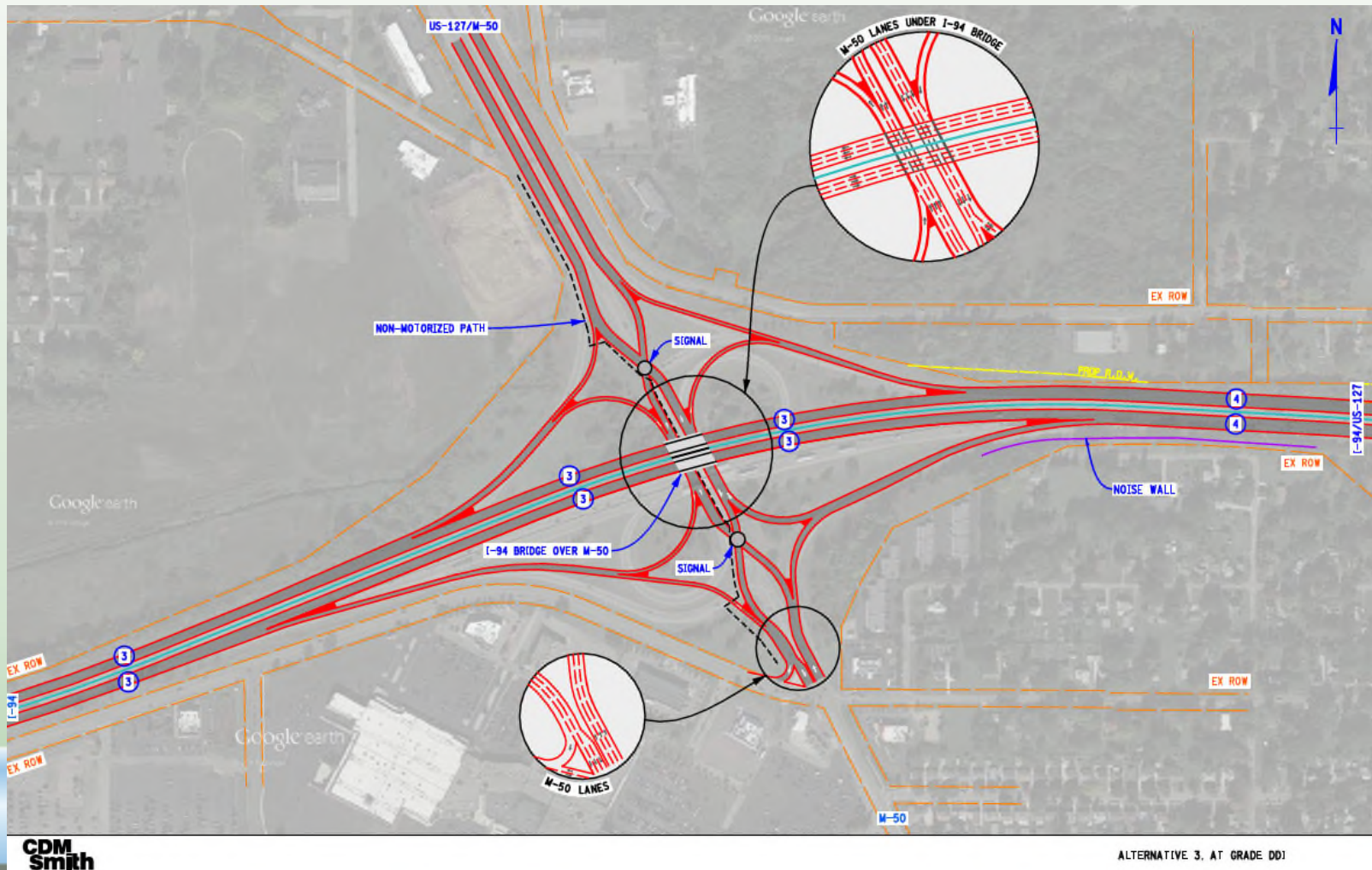






PRELIMINARY 12/3/18

# Alt 3: Diverging Diamond Interchange (DDI)







PRELIMINARY 12/3/18

# Alt 3: Diverging Diamond Interchange (DDI)



***I-96 at Cascades, Grand Rapids***

DDI STATUS: OPEN





PRELIMINARY 12/3/18

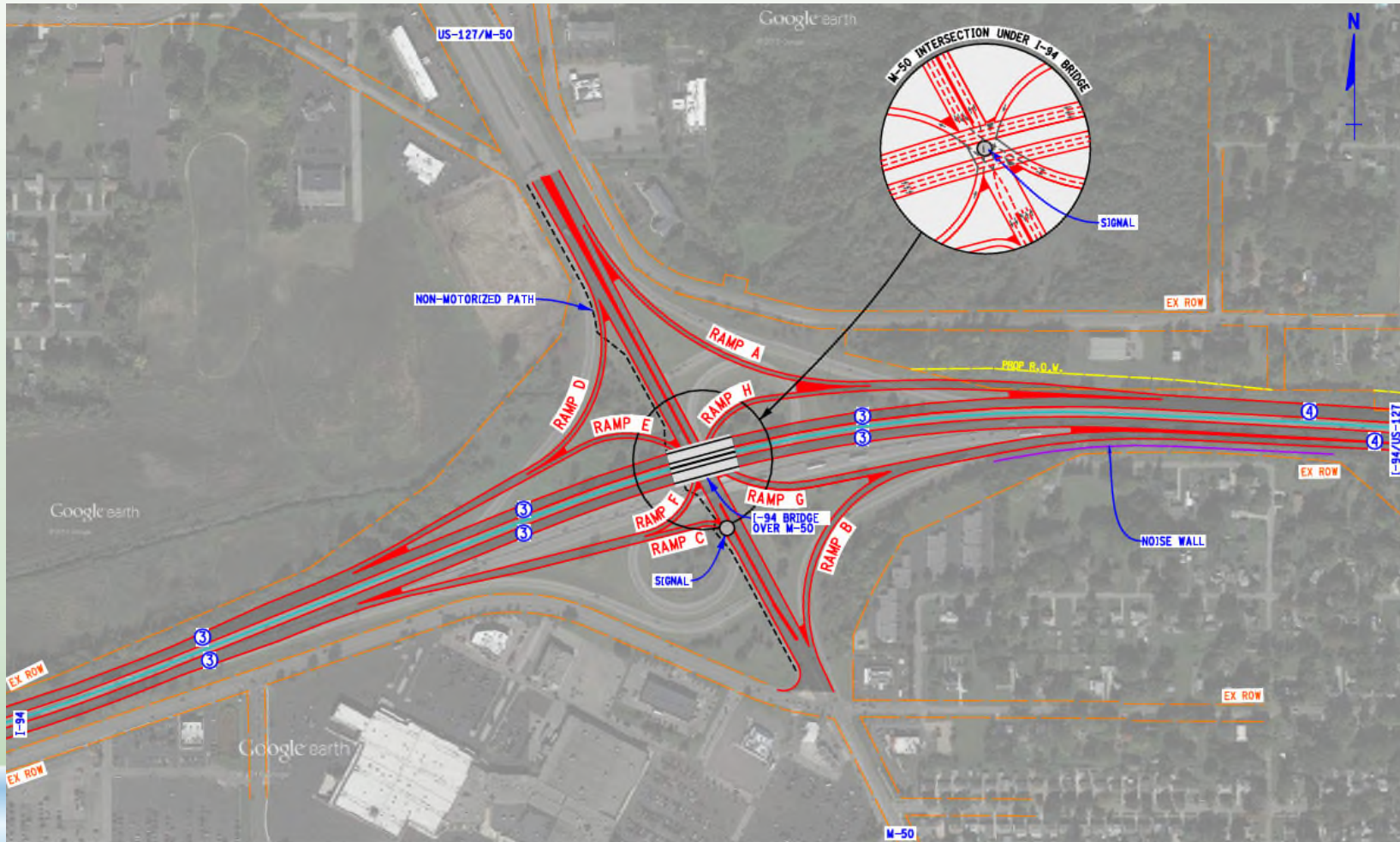
# Alt 3: Diverging Diamond Interchange (DDI)





PRELIMINARY 12/3/18

# Alt 4: Single Point Urban Interchange (SPUI)







PRELIMINARY 12/3/18

# Alt 4: Single Point Urban Interchange (SPUI)







PRELIMINARY 12/3/18

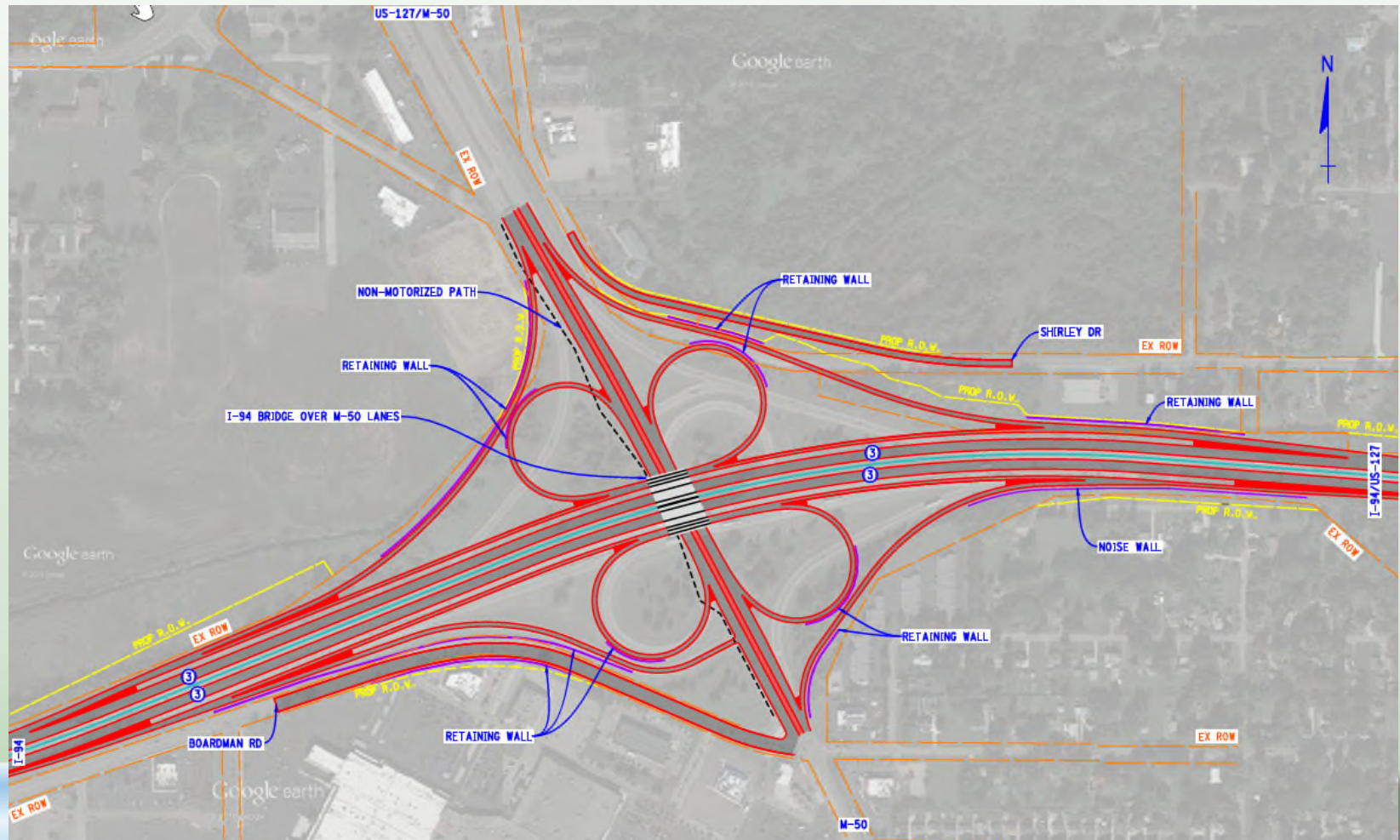
# Alt 4: Single Point Urban Interchange (SPUI)





PRELIMINARY 12/3/18

# Alt 5: Cloverleaf







PRELIMINARY 12/3/18

# Preliminary Alternative Comparison

**Table 1: Alternative Comparison**

Alternatives	CBC Evaluation Criteria				Other Criteria		
	Provides Free-flow SB US-127 to EB I-94 Movement	Reduce Signals on US-127	ROW Impact (acres)	Cost	Avg Vehicle Delay (sec)	Constructability Ranking*	At-Grade, Non-Signalized Path Crossings
No Build	No	N/A	0	\$0	AM 19.6 PM 30.9	N/A	N/A
Alt. 1 Fly-Through	Yes	No (2)	6.43	\$66.2M	AM 22.5 PM 37.4	Low	0
Alt. 2 Grade Separated DDI	Yes	Yes (1)	6.43	\$79.2M	AM 17.8 PM 29.1	Low	2
Alt. 3 At Grade DDI	No	No (2)	0.84	\$61.3M	AM 21.3 PM 29.3	Medium	2
Alt. 4 SPUI	No	Yes (1)	1.53	\$63.6M	AM 19.9 PM 27.2	High	0
Alt. 5 Cloverleaf	No	Yes (0)	11.08	\$94.5M	AM 16.8 PM 28.3	Medium	3

\* Constructability ranking: low is the most difficult to construct with high being the easiest



# MDOT Alternatives for Further Study

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- Alternative 4  
SPUI
- Alternative 3 DDI
- ???



# Next Steps

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- Complete Technical Report
  - Present summary at January 11<sup>th</sup> CART meeting
  - Present summary at February 2019 public meeting
- Identify future funding
  - Environmental re-evaluation
  - Design
  - Construction



PRELIMINARY 12/3/18



★  
**WHAT**  
*questions*  
DO YOU HAVE  
FOR ME?



**Jackson Area Comprehensive Transportation Study (JACTS)**  
**Draft Urban-STP Project List**

**Changes in Federal Funding for FY 2017 – 2020 TIP**

**FY 2019**

Agency	Project Name	Limit	Project Description	Federal	Local	Total
City	Greenwood Avenue	Morrell to Franklin	Reconstruct pavement with curb replacement. Reconstruct traffic signal at Morrell.	\$783,234	\$200,396	\$983,630

**Federal Funding for FY 2020 – 2023 TIP**

**FY 2020**

Agency	Project Name	Limit	Project Description	Federal	Local	Total
JCDOT	King Road	Mathews Road to M-60	Resurface	\$504,000	\$196,000	\$700,000
JCDOT	Springport	County Farm Road to Rives Junction	Cold mill and resurface	\$320,000	\$80,000	\$400,000
City	Francis St	Morrell to Mason	Reconstruct pavement with new curb. Reconstruct traffic signal at Morrell	\$587,000	\$146,750	\$733,750
<i>Total</i>				<i>\$1,411,000</i>	<i>\$422,750</i>	<i>\$1,833,750</i>
MDOT	M-49	M-49, M-124, M-50	Non-freeway sign replacement	\$474,850	\$0	\$949,699
MDOT	M-60 E	EB and WB over I-94	Bridge replacement	\$12,858,366	\$0	\$14,287,073
MDOT	Regionwide	Regionwide	Construct sidewalks	\$116,897	\$0	\$129,886
MDOT	M-50	M-124 to Riverside Road	HMA cold milling and single course HMA overlay	\$552,964	\$0	\$675,582
MDOT	M-106	M-106 and I-94 BL	Non-freeway signing upgrade	\$276,000	\$0	\$276,000
MDOT	I-94 BL	Various locations	HMA crack treatment and overband crack fill	\$230,817	\$0	\$282,000
MDOT	1-94 E	Various locations in Jackson County	Install ITS devices along I-94 in Jackson County	\$1,709,176	\$0	\$2,136,471
<i>MDOT Total</i>				<i>\$16,219,070</i>	<i>\$0</i>	<i>\$18,736,711</i>
<b><i>Annual Total</i></b>				<b><i>\$17,630,070</i></b>	<b><i>\$422,750</i></b>	<b><i>\$20,570,461</i></b>

**FY 2021**

Agency	Project Name	Limit	Project Description	Federal	Local	Total
JCDOT	McCain Road & Robinson Road	Robinson Road to McCain Road	Crush and shape	\$604,000	\$151,000	\$755,000
City	Morrell	Greenwood to Francis	Reconstruct pavement with curb repair	\$776,186	\$194,046	\$970,232
City	Steward	Railroad to Ganson	Mill and HMA resurface with curb repair	\$58,814	\$69,936	\$122,750
<i>Total</i>				<i>\$1,439,000</i>	<i>\$414,982</i>	<i>\$1,847,982</i>
MDOT	Regionwide	University Region	Install RWIS stations	\$245,550	\$0	\$300,000
MDOT	Regionwide	Regionwide	Construct sidewalks	\$468,103	\$0	\$520,114
MDOT	East I-94	I-94 at Elm Road	Reconstruct interchange	\$15,951,571	\$0	\$17,723,968
MDOT	US-127 N	North of Henry Road to Jackson/Ingham County Line	HMA Cold Milling and Multi Course HMA Resurfacing	\$10,444,060	\$0	\$12,760,000
MDOT	I-94 E	I-94 under Lansing Ave	Bridge replacement and freeway reconstruct	\$12,834,080	\$0	\$15,680,000
MDOT	Regionwide	Regionwide	Recess pavement markings	\$18,000	\$0	\$20,000
MDOT	M-50	M-50 in Jackson County	Shoulder widening	\$30,559	\$0	\$33,954
<i>MDOT Total</i>				<i>\$39,991,923</i>	<i>\$0</i>	<i>\$47,038,036</i>
<b>Annual Total</b>				<b>\$41,430,923</b>	<b>\$414,982</b>	<b>\$48,886,018</b>

**FY2022**

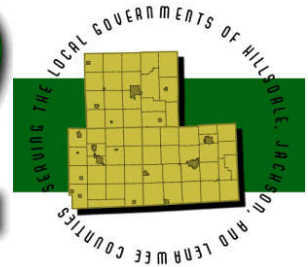
Agency	Project Name	Limit	Project Description	Federal	Local	Total
JCDOT	McDevitt Phase 1	Francis to TBD	Reconstruct	\$514,400	\$920,600	\$1,435,000
City	West Avenue Signal	Franklin and Washington	Reconstruct traffic signal, reconstruct intersection for three lanes on West Ave and remove signal at Washington Ave	\$471,200	\$117,800	\$589,000
City	Greenwood Ave	Fourth to Morrell	Mill and HWA resurface	\$482,400	\$120,600	\$603,000
<i>Total</i>				<i>\$1,468,000</i>	<i>\$1,159,000</i>	<i>\$2,627,000</i>
MDOT	Regionwide	University Region	Install RWIS stations	\$2,455,500	\$0	\$3,000,000
MDOT	M-60	Emerson Road to Renfrew Road	2 Course mill and resurface	\$6,150,823	\$0	\$7,514,750
MDOT	I-94 BL	University Region	Install recessed pavement markings	\$6,000	\$0	\$20,000
MDOT	Regionwide	Regionwide	Recess pavement markings	\$236,700	\$0	\$263,000
MDOT	M-50	M-50 in Jackson County	Shoulder widening	\$300,495	\$0	\$333,883
<i>MDOT Total</i>				<i>\$9,149,518</i>	<i>\$0</i>	<i>\$11,131,633</i>
<b>Annual Total</b>				<b>\$10,617,518</b>	<b>\$1,159,000</b>	<b>\$13,758,633</b>

**FY 2023**

Agency	Project Name	Limit	Project Description	Federal	Local	Total
JCDOT	McDevitt Phase II	TBD to US-127	Reconstruct	\$1,056,444	\$1,008,556	\$2,065,000
City	Wildwood	West Avenue to Steward	Mill and HMA resurface	\$277,600	\$69,400	\$347,000
City	Wisner	Wildwood to North	HMA Overlay	\$162,956	\$257,044	\$420,000
<i>Total</i>				<i>\$1,497,000</i>	<i>\$1,335,000</i>	<i>\$2,832,000</i>
MDOT	I-94 E	Michigan Avenue to M-60	Reconstruction	\$67,859,916	\$0	\$75,399,907
MDOT	I-94 BL	University Region	Install recessed pavement markings	\$210,000	\$0	\$700,000
MDOT	US-127 N	Over Springport Road and over Conrail	Epoxy Overlay	\$1,586,625	\$0	\$1,938,455
<i>MDOT Total</i>				<i>\$69,656,541</i>	<i>\$0</i>	<i>\$78,038,036</i>
<i>Annual Total</i>				<i>\$71,153,541</i>	<i>\$1,335,000</i>	<i>\$80,870,036</i>

# Region 2 Planning Commission

*Serving Hillsdale, Jackson, and Lenawee Counties*



## JACKSON AREA COMPREHENSIVE TRANSPORTATION STUDY (JACTS)

### Federal Funds Obligated in Fiscal Year 2018

As the state-designated Metropolitan Planning Organization for the Jackson urbanized area, the Region 2 Planning Commission, is responsible for developing and managing a 20-year Long Range Transportation Plan and a short-term, 4-year Transportation Improvement Program (TIP). The current edition of the TIP includes a listing of the approved road, highway, bridge, transit, and non-motorized projects programmed to receive federal and/or state funds in Jackson County during the 2017-2020 Fiscal Years.

The Federal legislation that was adopted in December 2015, continues through fiscal year 2020, Fixing American's Surface Transportation Act (FAST Act), continues the requirement of past legislation that *"an Annual Listing of projects, for which federal funds have been obligated in the preceding year shall be published or otherwise made available by the metropolitan planning organization for public review. The listing shall be consistent with the categories identified in the Transportation Improvement Program."*

In response to the above directive, the R2PC is providing a listing of all the projects in Jackson County "obligated" during FY 2018 (October 1, 2017 - September 30, 2018). The Federal Highway Administration (FHWA) defines obligated as the federal government's legal commitment to reimburse the implementing agency for the federal share of a project's eligible costs. Although not all obligated projects were initiated or completed during this fiscal year, they have been approved by the FHWA for reimbursement in FY 2018. Some projects actually constructed in FY 2018 were obligated in previous fiscal years and will not appear on this listing.

The complete list of the FY 2018 projects obligated in the JACTS area appears on the next page. Questions or comments may be directed to:

Mr. Steven Duke, Executive Director  
Region 2 Planning Commission  
120 W. Michigan Avenue  
Jackson, MI 49201  
Phone: (517) 768-6706  
Fax: (517) 788-4635  
Email: [sduke@co.jackson.m.us](mailto:sduke@co.jackson.m.us)

#### ***Did you know?***

- In FY 2018, the total amount of local, state, and federal funds spent in the JACTS area was \$145,991,041.
- In FY 2018, \$136,211,308 in federal funds was obligated in the JACTS area.

Implementing Agency	Phase of Project	Project Name, Location & Phase	Improvements	Programmed Total Phased Cost	Federal Fund Source	Federal Funds Programmed	Federal Fund Obligated	Federal Funds Remaining	Actual Total Phase Cost
<b>Local</b>									
City of Jackson	CON	4th St: 4th St - Audubon to Horton; Roundabout at Hickory	Single course mill and resurface, construct roundabout at Hickory	\$977,200	STUL	\$782,000	\$891,852	-\$109,852	\$1,114,473
City of Jackson	CON	4th St/Stonewall Rd: Fourth St at Horton Rd	Reconstruct signal	\$650,000	STUL	\$85,000	\$66,913	\$18,087	\$511,690
Jackson County	CON	Norvell Rd: Norvell Rd - E Michigan Ave to Sharon Valley Rd	Cold mill and resurface	\$2,534,627	STL	\$1,262,813	\$1,416,797	-\$153,984	\$2,843,693
Jackson County	CON	W Michigan Ave: W Michigan Ave - M-60 to Glasgow Rd	Cold mill and resurface	\$400,000	STUL	\$320,000	\$337,963	-\$17,963	\$422,453
Jackson County	CON	Rives Junction Road: Rives Junction Road from M-50 northerly	Construction of a non-motorized path	\$277,780	HSIP	\$222,224	\$212,380	\$9,844	\$265,475
Jackson County	CON	I-BL-94: East Jackson Middle School	Bike/ped safety improvements	\$802,690	TA	\$501,345	\$486,770	\$14,575	\$779,355
Jackson County	CON	King Rd: King Road Albion to Lockerbie	Fog seal	\$1,420,282	STL	\$852,169	\$1,064,299	-\$212,130	\$1,773,832
Jackson County	CON	Preventative Maintenance-Various Routes	Preventative maintenance	\$2,348,641	STL	\$1,409,185	\$1,651,070	-\$241,885	\$2,751,783
Adrian & Blissfield RR Co	CON	Rives Eaton Rd: At Adrian & Blissfield Railroad in Rives Township	Upgrade flashing light signals	\$4,879	STRP	\$4,391	\$4,390	\$1	\$4,878
Adrian & Blissfield RR Co	CON	E Main St: At Adrian & Blissfield Railroad in Rives Township	Upgrade flashing light signals	\$4,879	STRP	\$4,391	\$4,390	\$1	\$4,878
<b>Transit</b>									
Jackson Area Transportation Authority	NI	Transit Operating: Areawide	Provide additional operating funds for public transportation services.	\$65,137	5311	\$65,137	\$65,137	\$0	\$65,137
Jackson Area Transportation Authority	NI	Transit Operating: Areawide	Operating assistance.	\$49,988	5311	\$24,994	\$12,497	\$12,497	\$24,994
Jackson Area Transportation Authority	NI	Transit Operating: Areawide	FY15 5311 Operating underpaid	\$18,022	5311	\$9,011	\$4,506	\$4,506	\$9,011
Jackson Area Transportation Authority	NI	Transit Operating: Areawide	Budget Formula	\$1,711,954	CTF	\$0	\$0	\$0	\$1,711,954
Jackson Area Transportation Authority	NI	Transit Operating: Areawide	Provide job-related transportation to welfare and low-income individuals.	\$300,000	CTF	\$0	\$0	\$0	\$300,000
Jackson Area Transportation Authority	NI	Transit Capital: Areawide	2 Light Duty Buses	\$125,000	STL	\$100,000	\$20,000	\$80,000	\$25,000
Jackson Area Transportation Authority	NI	Transit Capital: Areawide	Transit Facility	\$189,820	5339	\$151,856	\$30,371	\$121,485	\$37,964
Jackson Area Transportation Authority	NI	Transit Capital: Areawide	Vehicle Replacement	\$58,451	5339	\$46,761	\$9,352	\$37,409	\$11,690
Jackson Area Transportation Authority	NI	Transit Capital: Areawide	Surveillance/security equipment.	\$15,952	5307	\$12,762	\$2,552	\$10,210	\$3,190
Jackson Area Transportation Authority	NI	Transit Operating: Areawide	FY 2018 Transit Operating	\$111,608	5311	\$55,804	\$27,902	\$27,902	\$55,804
<b>State</b>									
MDOT - Rail	NI	Laurence Ave: At Amtrak in Blackman Township	Install new crossing surface	\$230,011	CTFR	\$0	\$0	\$0	\$230,011
MDOT	CON	I-94: I-94 over Conrail and the Grand River	Realign and replace structure	\$27,196,350	STI	\$24,476,715	\$27,958,981	-\$3,482,266	\$27,958,981
MDOT	CON	I-94: M-106 NB & SB (Cooper St) over I-94	Bridge Replacement and associated road work	\$14,077,201	STI	\$12,669,481	\$17,102,910	-\$4,433,429	\$17,453,208
MDOT	CON	I-94 W: M-60 to Sargent Road	Reconstruction/Rehabilitation	\$61,643,689	STI	\$55,479,320	\$72,389,114	-\$16,909,794	\$72,393,217
MDOT	CON	M-106: Ganson to Porter Street	Single Course Mill & Resurface	\$668,976	NH	\$547,557	\$609,088	-\$61,531	\$744,151
MDOT	CON	M-60: Spring Arbor Road to I-94	Single course mill & resurface	\$1,669,555	NH	\$1,366,531	\$1,202,119	\$164,412	\$1,468,686
MDOT	CON	M-50/US-127BR: Washington Ave to South Street	Concrete Pavement Repair	\$956,890	NH	\$783,214	\$695,845	\$87,369	\$850,146
MDOT	CON	Various Routes: Various	HMA Crack Treatment	\$390,000	ST	\$319,215	\$340,993	-\$21,778	\$416,608
MDOT	CON	M-99: I-94 to Willow Street	Single Chip Seal with Fog Seal	\$900,007	ST	\$736,656	\$542,870	\$193,786	\$663,326
MDOT	CON	M-106: Hawkins Road to County Line	Non-Motorized Trail improvement with bridge replacements	\$6,995,000	TA,NRT	\$4,122,853	\$5,546,500	-\$1,423,647	\$7,190,029
MDOT	CON	US-127: US-127 at Floyd Avenue	Install New Overhead Flashing Beacon	\$31,631	NHG	\$31,381	\$31,381	\$0	\$31,631
MDOT	CON	I-94BL: Regionwide	Pavement marking retroreflectivity readings and condition assessment	\$10,166	HSIP	\$9,149	\$9,149	\$0	\$10,166
MDOT	CON	I-94BL: Jackson County	Longitudinal pavement marking application	\$2,635,000	HSIP	\$346,622	\$1,899,024	-\$1,552,402	\$2,110,026
MDOT	CON	I-94 E: I-94 Lansing Road to Elm Road	Clearing / Tree Removal and fencing	\$770,000	IM	\$693,000	\$501,019	\$191,981	\$558,888
MDOT	PE	M-106: M-106 and I-94 BL	Non-freeway signing updrade	\$50,000	NHG	\$50,000	\$50,000	\$0	\$50,000
MDOT	CON	I-94 E/Sargent Ramp: Eastbound I-94 exit ramp at Sargent Road	Install Wrong Way Traffic Detection System	\$33,500	HSIP	\$30,150	\$30,150	\$0	\$33,500
MDOT	CON	I-94: EB Grass Lake Weigh Station	Install additional parking at EB Grass Lake Weigh Station	\$4,000	ST	\$3,274	\$3,274	\$0	\$4,000
MDOT	PE	I-94BL: Jackson County	Longitudinal pavement marking application	\$2,500	HSIP	\$270	\$2,250	-\$1,980	\$2,500
MDOT	PE	I-94BL: Jackson County	Special pavement marking application	\$2,500	HSIP	\$608	\$2,250	-\$1,642	\$2,500
MDOT	CON	I-94BL: Jackson County	Special pavement marking application	\$560,000	HSIP	\$135,450	\$516,685	-\$381,235	\$574,094
MDOT	PE	Various Routes: M-49 , M-124, and M-50	Non freeway sign replacement	\$200,000	STG	\$100,000	\$200,000	-\$100,000	\$200,000
<b>R2PC</b>									
Jackson Area Comprehensive Transportation Study	NI	FY18 Jackson Consolidated Planning Funds: Jackson MPO	FY18 Jackson Consolidated Planning Funds	\$328,119	PL	\$268,565	\$268,565	\$0	\$328,119

Phases: CON-Construction, NI – Non-Infrastructure, PE – Preliminary Engineering