

# 2020 MDOT UPDATE

County Engineers' Workshop

February 4, 2020

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Michigan Department of Transportation





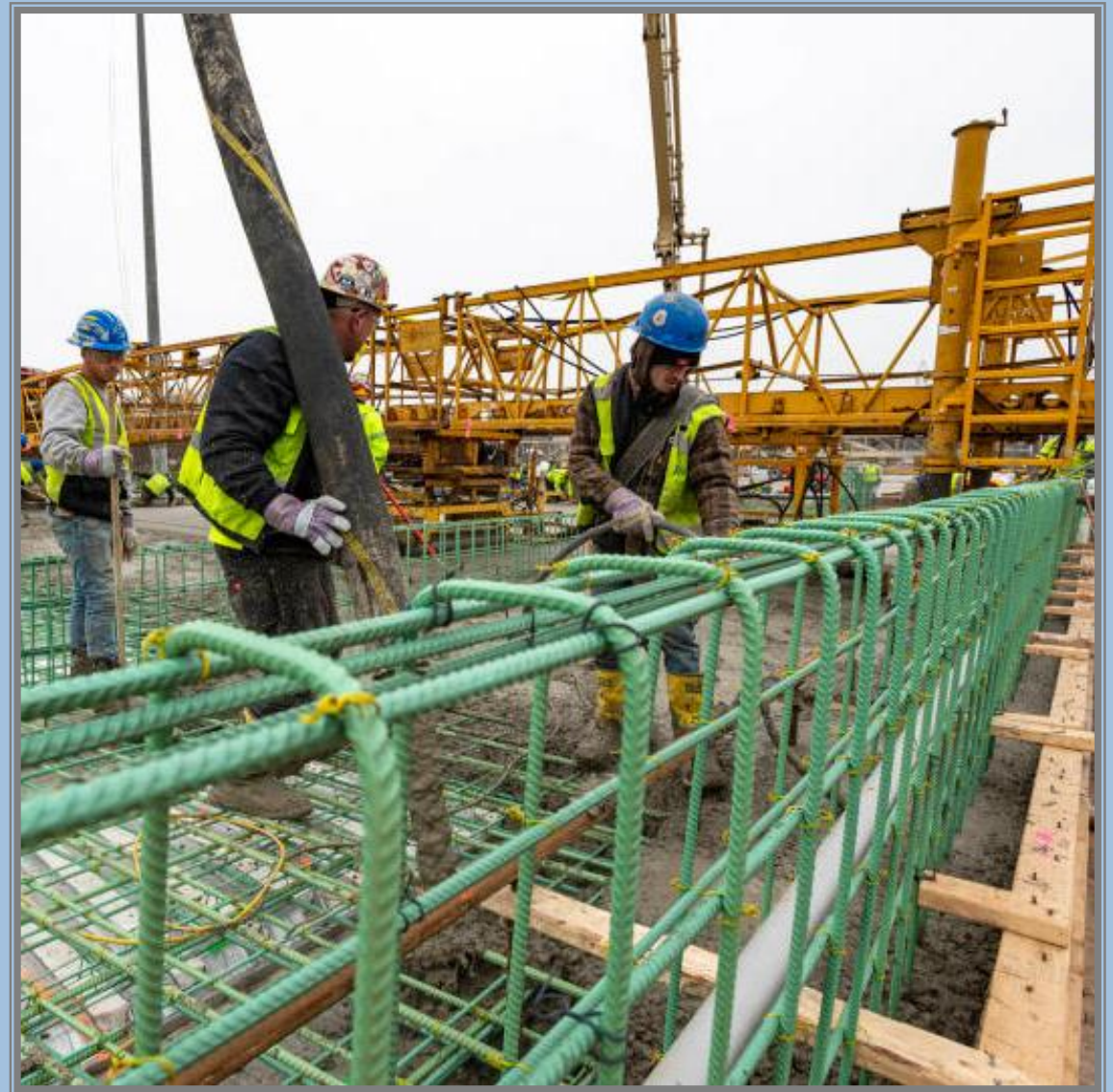
# Today's Topics

- Budget Highlights
- Rebuilding Michigan Plan
- 2020 Standard Specifications For Construction
- Work Zone Safety Task Force



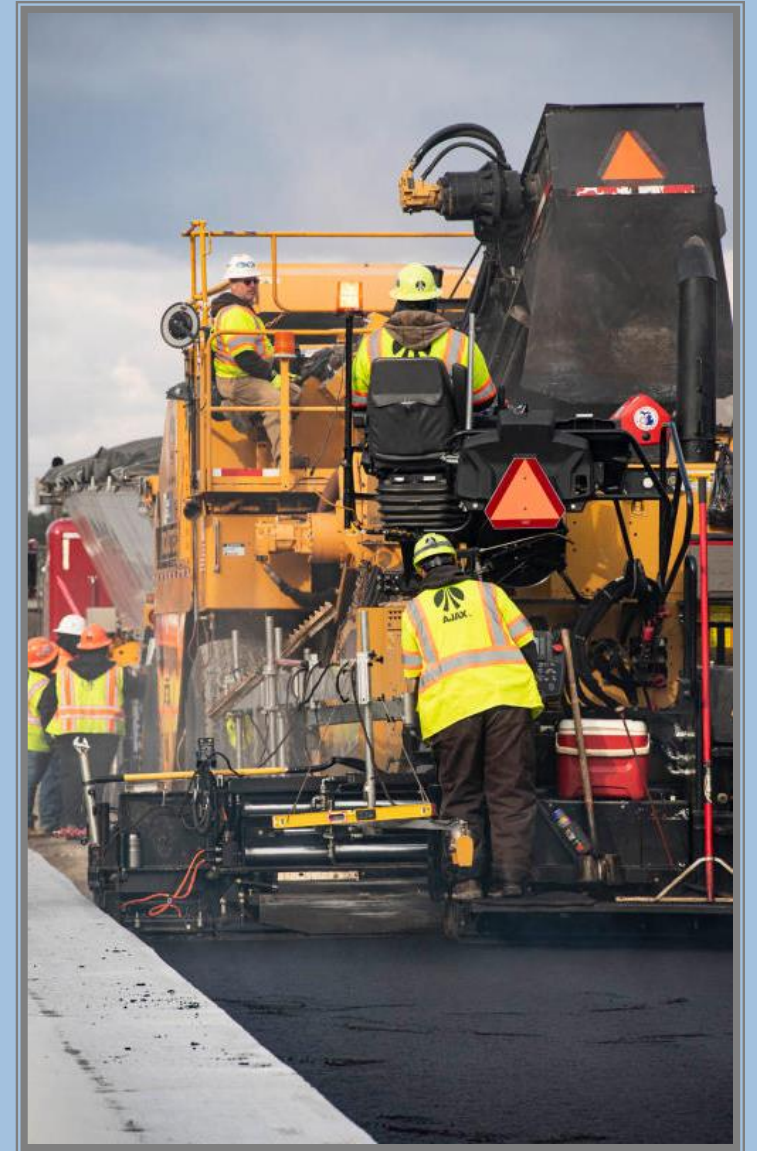
# FY 2020 Enacted Budget Highlights

- FY20 Enacted Budget is \$5.3 Billion
- Includes Funding for Various Road & Bridge Investments
  - Local Federal Aid \$278 M
  - Cities & Villages \$621.2 M
  - Counties \$1.1 B
  - State Trunkline \$1.3 B
  - Local Bridge Program \$29.1 M
  - Grants to Local Programs \$33 M
  - Rail Grade Crossing & Surface Improvements \$6 M



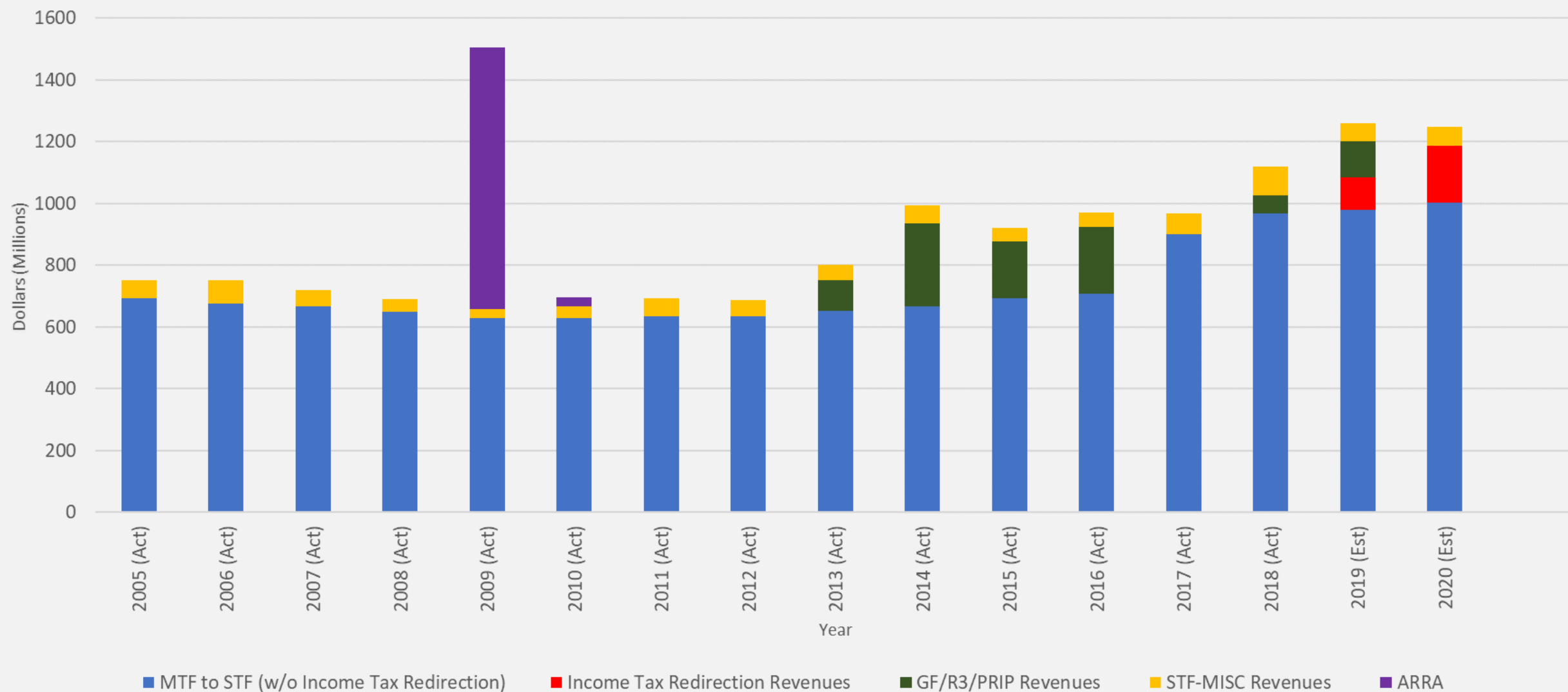
# FY 2020 Enacted Budget Maintenance Investments

- Maintenance Increase - \$66.5M
- Investment will Support:
  - Maintenance Material Increase \$7.4 M
  - Ancillary Structures \$10 M
  - Non-Winter Deferred Maintenance \$51.2 M



# State Trunkline Fund Distributions, 2005 – 2020

## American Reinvestment and Recovery Act Fund, 2009-2010







**Expands investment in the state trunkline system in the near-term using bond financing.**

- 5 Year Program construction increases \$3.515 B (almost doubling), from \$3.785 B to \$7.300 B.
- Invests bond financing in long-term fixes, a fiscally responsible approach.
- User Driven - focuses investment on the highest travelled parts of Michigan's highway network.

Current SYTP

— Road    ● Bridge

Revised Revenue Program

— Road    ● Bridge

Bonded Revenue Program



Invests bond financing in 49 long-term fix projects in 3 main categories:

1. Finances **5** long-term fix projects already in the 5 Year Program.
2. Increases the scope of **18** existing projects in the 5 Year Program to long-term fixes.
3. Adds **26** new, long-term fix projects to the 5 Year Program



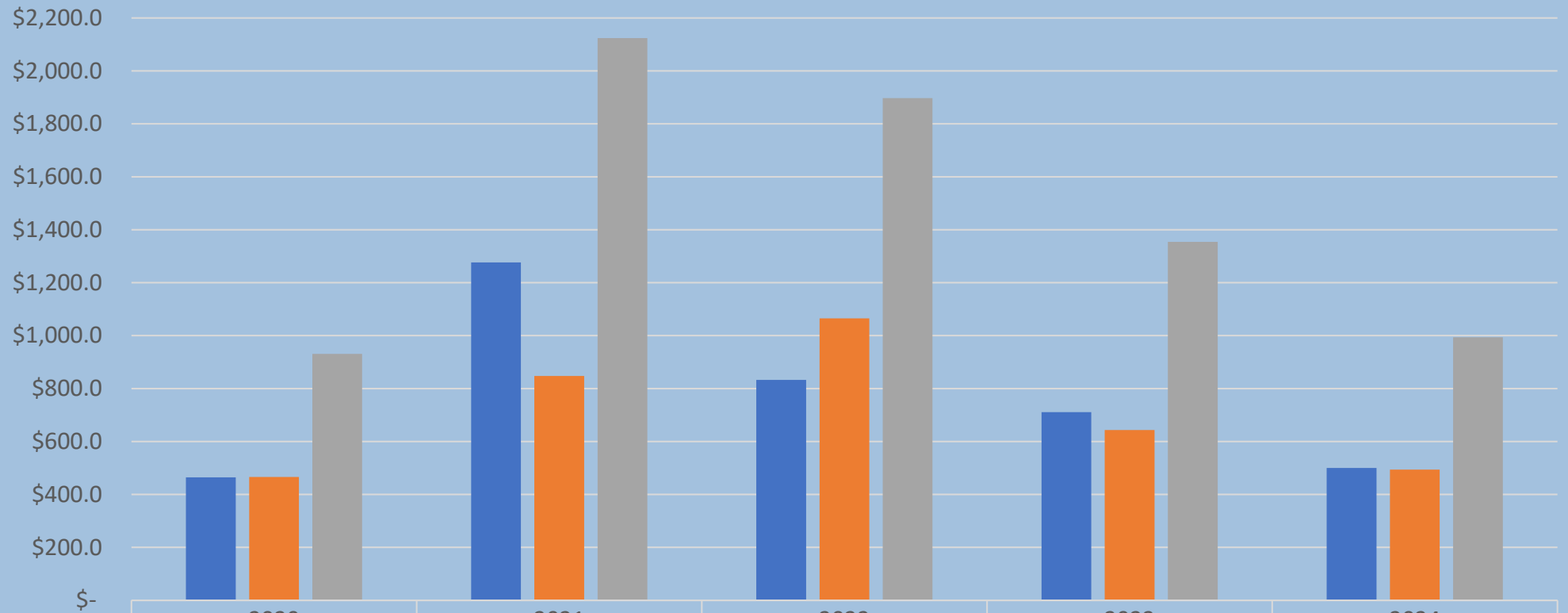


The bond financing of existing 5 Year Program Projects (categories 1 & 2) creates a backfill opportunity of \$1.026 B

- Covers as many miles as possible, mostly resurfacing projects
  - Addresses condition goals & federal performance measures
  - Aligns with MDOT's asset management plan
- Adds **73** new projects on high volume roads
- Aligns bridge work with bond projects to maximize our corridor approach



## By Fiscal Year

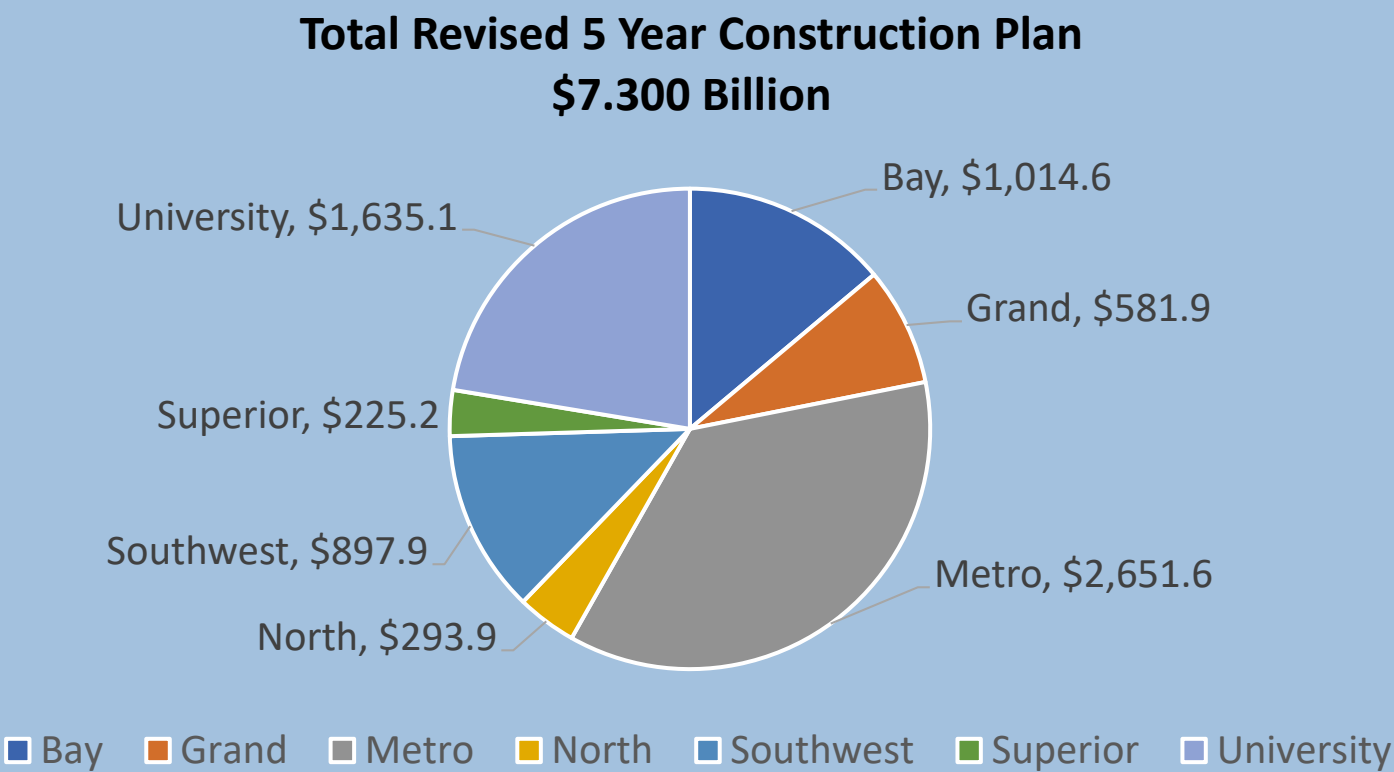


■ Dedicated transp. Revenue	\$464.7	\$1,276.3	\$832.4	\$711.0	\$500.2
■ Bond Financing	\$466.1	\$847.7	\$1,064.9	\$643.2	\$493.7
■ Revised 5 Year Plan	\$930.8	\$2,124.0	\$1,897.3	\$1,354.3	\$993.9

■ Dedicated transp. Revenue    ■ Bond Financing    ■ Revised 5 Year Plan



Region	Average Vehicles Per Day	
	Original 5 Year Program	Bond Program
Bay	20,310	45,582
Grand	23,731	24,257
North	12,139	
Metro	88,127	137,500
Southwest	31,829	44,550
Superior	6,975	
University	38,506	45,204
Total	35,878	62,213





## MICHIGAN DEPARTMENT OF TRANSPORTATION



### Rebuilding Michigan

2020-2024 Revised Five-Year Transportation Program Project List • January 30 2020



**MDOT**  
Michigan Department of Transportation



## REVISED 2020-2024 FIVE-YEAR TRANSPORTATION PROGRAM

### SOUTHWEST REGION

#### REPAIR AND REBUILD ROADS

COUNTY	ROUTE (COMMON NAME)	LOCATION	TYPE OF WORK	LENGTH	2020	2021	2022	2023	2024
BERRIEN	I-94	I-94 OVER YORE AND STOEFFER DRAIN	CULVERT REPLACEMENT				CON		
KALAMAZOO	I-94	KILGORE ROAD OVER I-94	BRIDGE REMOVAL			CON			
KALAMAZOO	I-94	I-94 OVER PORTAGE ROAD	BRIDGE REPLACEMENT			CON			
BERRIEN	I-94	HIGHLAND ROAD OVER I-94	BRIDGE REMOVAL			CON			
BERRIEN	I-94 EB	I-94 BUSINESS LOOP EASTBOUND (MAIN) OVER I-94	BRIDGE REMOVAL			CON			
BERRIEN	I-94	BRITAIN AVENUE TO I-196	RECONSTRUCTION	5.415	CON				
BERRIEN	I-94	I-94 BUSINESS LOOP (EXIT 23) TO THE ST. JOSEPH RIVER	RECONSTRUCTION	4.515			CON		
BERRIEN	I-94	I-94 OVER TRIB TO HICKORY CREEK	MISCELLANEOUS BRIDGE CSM				CON		
BERRIEN	I-94	ST. JOSEPH RIVER TO BRITAIN AVENUE	RECONSTRUCTION	4.086			CON		
BERRIEN	I-94 EB	I-94 EASTBOUND OVER CSX RAILROAD	OVERLAY - DEEP				CON		
BERRIEN	I-94 EB	I-94 EASTBOUND OVER I-94 BUSINESS LOOP (LAKESHORE DRIVE)	BRIDGE REPLACEMENT				CON		
BERRIEN	I-94 EB	I-94 EASTBOUND OVER LINCOLN AVENUE	OVERLAY - SHALLOW				CON		
BERRIEN	I-94 EB	SOUTHBOUND US-31 AND EASTBOUND I-94 BL OVER I-94	NEW STRUCTURE ON RELOCATED ROUTE		CON				
BERRIEN	I-94 WB	I-196 TO 0.7 MILES WEST OF M-140	ROAD REHABILITATION	5.375				CON	
BERRIEN	I-94 WB	I-94 WESTBOUND OVER CSX RAILROAD	OVERLAY - DEEP				CON		
BERRIEN	I-94 WB	I-94 WESTBOUND OVER I-94 BUSINESS LOOP (LAKESHORE DRIVE)	BRIDGE REPLACEMENT				CON		
BERRIEN	I-94 WB	I-94 WESTBOUND OVER LINCOLN AVENUE	OVERLAY - SHALLOW				CON		
BERRIEN	I-94 WB	I-94 WESTBOUND RAMP B OVER CSX RAILROAD	DECK REPLACEMENT				CON		
BERRIEN	I-94 WB	NORTHBOUND US-31 AND WESTBOUND I-94 BL OVER I-94	NEW STRUCTURE ON RELOCATED ROUTE		CON				
BERRIEN	M-139	OVER BUCKHORN CREEK, NORTH OF ROCKY WEED ROAD	RECONSTRUCTION	0.191			CON		
BERRIEN	M-51	CHESTNUT LANE TO M-60 BUSINESS ROUTE	RECONSTRUCTION	3.543				CON	
BERRIEN	US-12	0.8 MILES WEST OF DAYTON LAKE ROAD TO M-139	ROAD REHABILITATION	8.574		CON			
BERRIEN	US-12	DAYTON LAKE ROAD TO MAYFLOWER ROAD	ROAD REHABILITATION	6.854		CON			
BERRIEN	US-12	INDIANA/MICHIGAN STATE LINE TO MONROE STREET	ROAD REHABILITATION	3.141		CON			
BERRIEN	US-31 NB	US-12 TO M-139	ROAD REHABILITATION	12.261				CON	
BERRIEN	I-94	BENTON CENTER ROAD OVER I-94	OVERLAY - EPOXY		CON				
BRANCH	US-12	US-12 BRIDGE OVER THE COLDWATER RIVER TO WEST OF WESTERN AVENUE	ROAD REHABILITATION	0.452				CON	
CALHOUN	I-69	I-94 TO EATON COUNTY LINE	RECONSTRUCTION	9.552	CON				
CALHOUN	I-94	HELMER ROAD TO 6 1/2 MILE ROAD	ROAD REHABILITATION	4.379				CON	
CALHOUN	I-94BL	HELMER ROAD TO SOUTHBOUND I-194 ON-RAMP	ROAD REHABILITATION	2.916	CON				
CALHOUN	I-94	I-94 UNDER CAPITAL AVENUE	BRIDGE REPLACEMENT					CON	
CALHOUN	I-94	I-94 UNDER F DRIVE NORTH	MISCELLANEOUS BRIDGE REHABILITATION					CON	
CALHOUN	I-94 EB	I-94 EASTBOUND OVER 6 1/2 MILE ROAD	BRIDGE REPLACEMENT					CON	
CALHOUN	I-94 EB	I-94 EASTBOUND OVER 9 MILE ROAD	BRIDGE REPLACEMENT					CON	
CALHOUN	I-94 EB	I-94 EASTBOUND OVER M-294 (BEADLE LAKE ROAD)	BRIDGE REPLACEMENT					CON	
CALHOUN	I-94 EB	I-94 EASTBOUND OVER THE KALAMAZOO RIVER	BRIDGE REPLACEMENT					CON	
CALHOUN	I-94 WB	I-94 WESTBOUND OVER 6 1/2 MILE ROAD	BRIDGE REPLACEMENT					CON	
CALHOUN	I-94 WB	I-94 WESTBOUND OVER 9 MILE ROAD	BRIDGE REPLACEMENT					CON	
CALHOUN	I-94 WB	I-94 WESTBOUND OVER M-294 (BEADLE LAKE ROAD)	BRIDGE REPLACEMENT					CON	
CALHOUN	I-94 WB	I-94 WESTBOUND OVER THE KALAMAZOO RIVER	BRIDGE REPLACEMENT					CON	
CALHOUN	M-199 (25 1/2 Mile Road)	27 MILE ROAD TO I-94	ROAD REHABILITATION	2.938	CON				
CALHOUN	M-199 (East Michigan Avenue)	25 1/2 MILE ROAD TO I-94 BUSINESS LOOP (SUPERIOR STREET)	ROAD REHABILITATION	2.937	CON				
CALHOUN	M-37	M-96 TO NORTH CITY LIMITS BATTLE CREEK	ROAD REHABILITATION	2.900		CON			
CASS	M-51	NILES TO DOWAGIAC	ROAD REHABILITATION	11.504	CON				
CASS	M-60	M-60/US-12 INTERCHANGE TO END OF DIVIDED	ROAD REHABILITATION	3.555		CON			
KALAMAZOO	I-94	EAST OF LOVERS LANE TO EAST OF PORTAGE ROAD	MAJOR WIDENING	1.248		CON			
KALAMAZOO	I-94	EAST OF LOVERS LANE TO WEST OF SPRINKLE ROAD	MAJOR WIDENING	2.495		CON			

EPE= Study/Environmental PE=Preliminary Engineering/Design PE-B=Preliminary Engineering/Design for Bridges  
UTL=Utility work ROW=Right of way/Real Estate CON=Construction

  Bonded Projects   New Projects





## What the Rebuilding Michigan Plan does NOT do:

- It does not fix everything nor completely address state trunkline condition needs.
- It does not generate any new revenue to address the chronic underinvestment in transportation in Michigan.
- It does not address the needs of other transportation modes or the local road and bridge systems.



# 2020 Standard Specifications for Construction

- Final Review December 2019 – February 2020
- Electronic Publication March 2020
- Printed Release Mid-2020
- Effective October 2020 Letting
- 2021 Construction Season







# SAFETY ON OUR ROADS



<sup>1</sup>  
**WORK ZONE  
CRASH**  
OCCURS EVERY  
5.4 MINUTES



## Toward Zero Deaths<sup>®</sup>

National Strategy on Highway Safety

**1682**  
**WORK ZONE  
CRASHES**  
ON MI ROADWAYS  
IN 2017

**4838**  
**WORK ZONE  
CRASHES**  
ON MI ROADWAYS  
IN 2018

**5411\***  
**WORK ZONE  
CRASHES**  
ON MI ROADWAYS  
IN 2019

\*\*Preliminary numbers. All crash data has yet to be included and are not finalized.





Technology



Enforcement



Balancing  
Mobility &  
Safety



Culture



# WORK ZONE SAFETY

— TASK FORCE —



Flexibility to  
Implement  
Safety



Marketing



Education

# Significant 2019 Accomplishments

- ✓ Established dialogue & relationship with Prosecutors' Association
- ✓ **Improvements to MDOT Work Zone Safety & Mobility Manual & plan development process**
- ✓ Expanded use of Alternate Technical Concepts (ATC) for Maintenance of Traffic concepts
- ✓ Proposed concept for Safety Contingency Fund to be piloted in 2020
- ✓ **Completed first-ever industry-wide Work Zone Safety Perception Survey**
- ✓ Developed "use statements" for high value safety technology/devices
- ✓ Proposed process of early industry review on constructability & safety to be piloted in 2020
- ✓ Initiated design & procurement of Work Zone Safety awareness trailer for education efforts
- ✓ Established social media presence & #WorkZoneWednesday industry-wide messaging
- ✓ Held first-ever industry-wide work zone safety technology forum
- ✓ **Encouraged safety moments in all project meetings**





# Temporary Pavement Marking Tape



3 test locations in 2019 with promising results:

- Less breakage
- **3 times** faster removal
- Safer removal
- **Reduced worker & motorist exposure during traffic switches**
- **Reduced duration (user delay & confusion) of traffic switches**

# Safe Work Zones for All

Protect workers. Protect road users.



## We Can Do It!

2020 National Work Zone Awareness Week



# National Work Zone Safety Awareness Week

**APRIL 21<sup>st</sup>**  
**American Center  
for Mobility**  
**Ypsilanti, MI**



**WORK ZONE  
SAFETY**  
— TASK FORCE —





# Questions?

