

# Michigan Department of Transportation

## Rail Strategic Plan – FY2021-2025

2020 PA166, Section 707

February 26, 2021

*Section 707. (1) Before March 1 of each year, the department will provide to the legislature, the state budget office, and the house and senate fiscal agencies its rail strategic plan. The strategic plan shall include, but is not limited to, a rolling 5-year rail plan and summary of the department's obligations for programs funded under the appropriation in part 1 for rail operations and infrastructure.*

*(2) The rolling 5-year rail plan shall include, but is not limited to, all the following:*

*(a) A listing by county of all rail infrastructure projects on rail lines within the state utilizing state funds, and the estimated cost of each project.*

*(b) The actual or projected state expenditures for operation of passenger rail service.*

*(c) The actual or projected state expenditures for maintenance of passenger service rail lines.*

*(3) The period of the rolling 5-year rail plan includes the current fiscal year and the 4 fiscal years immediately following the current fiscal year.*

*(4) The summary of the department's obligations for programs funded under the appropriation in part 1 for rail operations and infrastructure shall include a breakdown of the appropriation by program, year-to-year obligations under each program itemized by project, and an estimate of future obligations under each program itemized by project for the remainder of the fiscal year.*

The Michigan Department of Transportation's Office of Rail is pleased to present its Rail Strategic Plan for Fiscal Years 2021 through 2025. While future available revenues are unknown and some funding needs are not known in advance, this plan provides a listing of anticipated projects and spending representing future obligations and priorities.

The Rail Operations and Infrastructure appropriation line funds several individual programs and activities, including passenger rail operating assistance, capital and maintenance activities on the 665 miles of state-owned freight and passenger rail lines, and enhanced economic development through investments in rail infrastructure.

The majority of funding for this appropriation line comes from the Comprehensive Transportation Fund (CTF). Authority is also provided to spend federal, local, and private dollars, as well as monies in the Rail Freight Fund, should funding from any of those sources be available.

The current FY2021 breakdown by program is included in the chart below:

Passenger Rail Operating	\$32,000,000
Kalamazoo-Dearborn Maintenance	\$6,281,673
Kalamazoo-Dearborn Capital	\$20,908,656
Freight Lines Capital	\$573,643
Freight Economic Development Program	\$4,000,000
Miscellaneous	\$4,279,099
Pending Projects	\$4,494,929
<b>TOTAL</b>	<b>\$72,538,000</b>

Details of the above planned investments for FY2021, as well as those for FY2022 through FY2025 for the multiple CTF-funded program areas are contained on the following pages. While there will almost certainly be adjustments based on changing revenues and appropriations, emerging needs, or other factors, this represents the estimated projection at this time. It was developed under the assumption that FY2021 revenues will remain consistent through this five-year period.

Two areas of funding needs are especially difficult to predict.

First, the Freight Economic Development Program receives, reviews, and approves applications throughout the year. While the goal is to always be able to assist with qualifying projects that relate to job creation and increased rail usage, this Plan includes placeholder amounts based upon history and reasonable projections.

Second, per the provisions of the Passenger Rail Investment and Improvement Act of 2008 (PRIIA), states are responsible for providing operating assistance for Amtrak routes under 750 miles. That includes all three Michigan services – the Wolverine, Blue Water and Pere Marquette. MDOT contracts with Amtrak and is responsible for costs not covered by ticket and other revenues. The pandemic has had a significant impact on ridership and revenue, but the financial impact of that on the state has been cushioned by the availability of federal COVID relief funding. It remains to be seen how ridership and revenue bounce back as we move forward.

MDOT Office of Rail

**FY 2021**

	Location	Project Description	Estimated Cost	Federal/Other	State
<b>Passenger Rail Operating</b>					
Amtrak Operating Assistance	three Amtrak corridors	Provide federally-mandated operating assistance	\$22,000,000	\$0	\$22,000,000
Midwest States Equipment	three Amtrak corridors	Michigan's share of multi-state equipment contract - initial allocation	\$10,000,000	\$0	\$10,000,000
			<b>\$32,000,000</b>	<b>\$0</b>	<b>\$32,000,000</b>
<b>Kalamazoo-Dearborn Maintenance</b>					
Kalamazoo-Dearborn Maintenance	Kalamazoo to Dearborn	General maintenance/State of Good Repair activities	\$4,581,673	\$0	\$4,581,673
Insurance and Utilities	Kalamazoo to Dearborn	Property insurance and utilities	\$1,700,000	\$0	\$1,700,000
			<b>\$6,281,673</b>	<b>\$0</b>	<b>\$6,281,673</b>
<b>Kalamazoo-Dearborn Capital (Track/Bridge/Signal)</b>					
Track Rehabilitation	Albion to Jackson	Install 7.5 miles rail, Install 14,000 ties	\$5,089,914	\$5,089,914	\$0
Track Rehabilitation	Jackson to Dearborn	Procure 52,000 ties	\$6,901,440	\$4,000,000	\$2,901,440
Jackson/Mechanic Bridge Replacement	Jackson	Replace Jackson and Mechanic St. bridges	\$19,674,804	\$9,247,408	\$10,427,396
Jackson/Mechanic Bridge Replacement	Jackson	CE Jackson and Mechanic St. bridges	\$4,200,000	\$0	\$4,200,000
Battle Creek Connection PE/NEPA	Battle Creek	PE/NEPA for new track connection in Battle Creek	\$1,499,841	\$1,124,880	\$374,961
Signal Rehabilitation	Kalamazoo to Dearborn	Order materials - gate mechanisms at 26 crossings	\$507,000	\$253,500	\$253,500
Merriman Road Signal Upgrade	Wayne County	Additional costs to complete crossing signal interconnection	\$51,359	\$0	\$51,359
Trespasser Prevention	Kalamazoo to Dearborn	Final design - fencing and pedestrian safety features at crossings	\$1,000,000	\$500,000	\$500,000
Turnout Replacement	Albion	Replace turnouts at CP 96 and CP 99	\$1,400,000	\$0	\$1,400,000
Diamond Replacement	Kalamazoo	Install CP 143 Diamond	\$800,000	\$0	\$800,000
<b>Freight Lines Capital (Track/Bridge)</b>					
Hallett Street Railroad Overpass Replacement Design	Hillsdale County	Final design for bridge replacement	\$250,000	\$0	\$250,000
Miller Creek Drain Improvement	Grand Traverse County	Cost-sharing for drain improvement project	\$300,000	\$0	\$300,000
Culvert Replacement	Clare County	Replace failing culvert	\$23,643	\$0	\$23,643
<b>Freight Economic Development Program</b>					
Chippewa County EDC	Chippewa County	Add track capacity and rail car unloading equipment	\$1,020,000	\$0	\$1,020,000
Pro-V Group, LLC	Dearborn	Construct rail spurs	\$198,580	\$0	\$198,580
Star of the West Milling Company	St. Clair County	Rehabilitate existing rail spur	\$36,075	\$0	\$36,075
Additional Funding to Complete Prior Projects	Various		\$38,702	\$0	\$38,702
Projects TBD	TBD		\$2,706,643	\$0	\$2,706,643
<b>Miscellaneous</b>					
Grant Match Assistance - Lake State CRISI Project	Northeast Lower Peninsula	Assist with match to federal grant for track improvements	\$3,000,000	\$0	\$3,000,000
UP Propane Freight Study	Upper Peninsula	Study propane needs and opportunities for rail to assist	\$14,922	\$0	\$14,922
Quandel Consultants - FRA Grant Management	Kalamazoo to Dearborn	Grant management and misc activities	\$196,529	\$0	\$196,529
Detroit New Center ADA Improvements	Detroit	Upgrade existing facility to meet ADA requirements	\$500,000	\$0	\$500,000
Detroit New Center Replacement Study	Detroit	Assist with study to create multi-use facility	\$400,000	\$0	\$400,000
BO Tower demolition	Kalamazoo	Demolish obsolete dispatching tower	\$100,000	\$0	\$100,000
WSP - bridge engineering	various	Bridge engineering activities	\$31,248	\$0	\$31,248
Grand Rapids Station Track Inspection	Grand Rapids	Provide federally-required inspection services	\$36,400	\$0	\$36,400

**FY 2022**

	Location	Project Description	Estimated Cost	Federal/Other	State
<b>Passenger Rail Operating</b>					
Amtrak Operating Assistance	three Amtrak corridors	Provide federally-mandated operating assistance	\$25,000,000	\$0	\$25,000,000
Midwest States Equipment	three Amtrak corridors	Michigan's share of multi-state equipment contract	\$1,000,000	\$0	\$1,000,000
			<b>\$26,000,000</b>	<b>\$0</b>	<b>\$26,000,000</b>

**Kalamazoo-Dearborn Maintenance**

Kalamazoo-Dearborn Maintenance	Kalamazoo to Dearborn	General maintenance/State of Good Repair activities	\$11,000,000	\$0	\$11,000,000
Insurance and Utilities	Kalamazoo to Dearborn	Property insurance and utilities	\$1,700,000	\$0	\$1,700,000
			<b>\$12,700,000</b>	<b>\$0</b>	<b>\$12,700,000</b>

**Kalamazoo-Dearborn Capital (Track/Bridge/Signal)**

Track Rehabilitation	Jackson to Dearborn	Install 52,000 ties	\$8,523,320	\$3,306,766	\$5,216,554
Signal Rehabilitation	Kalamazoo to Dearborn	Replace switch machines and gate mechanisms; install switch heaters and backup generators	\$7,419,514	\$5,103,807	\$2,315,707
Trespasser Prevention	Kalamazoo to Dearborn	Install ROW fencing and pedestrian safety features at crossings	\$6,047,746	\$3,623,873	\$2,423,873
Jackson-Ypsi Curve Mods	Jackson to Ypsilanti	Final Design/DWP/PMP - Curve mods and one rail train	\$340,704	\$170,352	\$170,352
AML112.40 bridge removal	Jackson County	112.40 Remove and fill with culvert install	\$300,000	\$0	\$300,000
Grade Crossing Rehabilitation	Various	Rehab 6 grade crossings	\$900,000	\$0	\$900,000
Turnout Replacement	Jackson	CP 78	\$1,400,000	\$0	\$1,400,000

**Freight Lines Capital (Track/Bridge)**

GLC B02-83350.66 Manistee River Replacement	Wexford County	Bridge replacement	\$13,000,000	\$0	\$13,000,000
GLC B02-18201.10 Temporary support	Clare County	Design and construction - Temporary supports	\$750,000	\$0	\$750,000
GLC B02-18201.10 Superstructure Replacement	Clare County	Design - Superstructure replacement and pier removal	\$600,000	\$0	\$600,000
Construct rail siding	Clinton County	Design new passing siding	\$300,000	\$0	\$300,000
GLC B01-81047.54 Culvert Replacement	Washtenaw County	Culvert replacement	\$400,000	\$0	\$400,000
CWR install	Washtenaw, Livingston and Shiawassee Counties	Install 4.25 miles of continuously welded rail	\$1,800,000	\$0	\$1,800,000

**Freight Economic Development Program**

Projects TBD	TBD		\$4,000,000	\$0	\$4,000,000
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**Miscellaneous**

Grand Rapids Station Track Inspection	Grand Rapids	Provide federally-required inspection services	\$36,400	\$0	\$36,400
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**FY 2023**

	Location	Project Description	Estimated Cost	Federal/Other	State
<b>Passenger Rail Operating</b>					
Amtrak Operating Assistance	three Amtrak corridors	Provide federally-mandated operating assistance	\$25,000,000	\$0	\$25,000,000
Midwest States Equipment	three Amtrak corridors	Michigan's share of multi-state equipment contract	\$1,000,000	\$0	\$1,000,000
			<b>\$26,000,000</b>	<b>\$0</b>	<b>\$26,000,000</b>
<b>Kalamazoo-Dearborn Maintenance</b>					
Kalamazoo-Dearborn Maintenance	Kalamazoo to Dearborn	General maintenance/State of Good Repair activities	\$11,000,000	\$0	\$11,000,000
Insurance and Utilities	Kalamazoo to Dearborn	Property insurance and utilities	\$1,700,000	\$0	\$1,700,000
			<b>\$12,700,000</b>	<b>\$0</b>	<b>\$12,700,000</b>
<b>Kalamazoo-Dearborn Capital (Track/Bridge/Signal)</b>					
Trespasser Prevention	Kalamazoo to Dearborn	Install ROW fencing and pedestrian safety features at crossings	\$6,047,746	\$3,123,873	\$2,923,873
Jackson-Ypsi Curve Mods	Jackson to Ypsilanti	Construction - Curve mods and one rail train	\$15,399,976	\$9,199,987	\$6,199,989
Turnout Replacement	Kalamazoo to Dearborn	Replace 10 industry turnouts	\$5,624,400	\$3,868,150	\$1,756,250
AML31.71 Superstructure Replacement	Washtenaw County	Superstructure replacement	\$4,000,000	\$0	\$4,000,000
AML32.46 Superstructure Replacement	Washtenaw County	Superstructure replacement	\$3,000,000	\$0	\$3,000,000
AML79.85 Superstructure Replacement	Jackson County	Superstructure replacement	\$1,000,000	\$0	\$1,000,000
Grade Crossing Rehabilitation	Various	Rehab 6 grade crossings	\$900,000	\$0	\$900,000
Turnout Replacement	Chelsea	CP 52 and 56 Construction w/curve mods	\$1,000,000	\$0	\$1,000,000
Spot Ditching/Slope Stabilization	Various	Ditching to address as-needed situations	\$500,000	\$0	\$500,000
Signal Rehabilitation	Kalamazoo to Dearborn	Replace 27 crossing gate mechanisms	\$1,053,000	\$0	\$1,053,000
<b>Freight Lines Capital (Track/Bridge)</b>					
Hallett Street Railroad Overpass Replacement	Hillsdale County	Bridge replacement	\$3,000,000	\$0	\$3,000,000
Hallett Street Railroad Overpass Replacement	Hillsdale County	CE for bridge replacement	\$450,000	\$0	\$450,000
Update 15 Detailed Bridge Inspections	Various Locations	Detailed Inspections and Load Ratings	\$350,000	\$0	\$350,000
GLC B01-47061.11 Superstructure replacement	Livingston County	Superstructure replacement	\$3,000,000	\$0	\$3,000,000
GLC B02-76089.37 Superstructure replacement	Shiawassee County	Superstructure replacement	\$3,000,000	\$0	\$3,000,000
GLC B03-47082.03	Livingston County	Super- and sub- structure repairs	\$1,000,000	\$0	\$1,000,000
Construct rail siding	Clinton County	Construct new passing siding	\$2,000,000	\$0	\$2,000,000
<b>Freight Economic Development Program</b>					
Projects TBD	TBD		\$4,000,000	\$0	\$4,000,000
<b>Miscellaneous</b>					
Grand Rapids Station Track Inspection	Grand Rapids	Provide federally-required inspection services	\$36,400	\$0	\$36,400

**FY 2024**

	Location	Project Description	Estimated Cost	Federal/Other	State
<b>Passenger Rail Operating</b>					
Amtrak Operating Assistance	three Amtrak corridors	Provide federally-mandated operating assistance	\$25,000,000	\$0	\$25,000,000
Midwest States Equipment	three Amtrak corridors	Michigan's share of multi-state equipment contract	\$1,000,000	\$0	\$1,000,000
			<b>\$26,000,000</b>	<b>\$0</b>	<b>\$26,000,000</b>
<b>Kalamazoo-Dearborn Maintenance</b>					
Kalamazoo-Dearborn Maintenance	Kalamazoo to Dearborn	General maintenance/State of Good Repair activities	\$11,000,000	\$0	\$11,000,000
Insurance and Utilities	Kalamazoo to Dearborn	Property insurance and utilities	\$1,700,000	\$0	\$1,700,000
			<b>\$12,700,000</b>	<b>\$0</b>	<b>\$12,700,000</b>
<b>Kalamazoo-Dearborn Capital (Track/Bridge/Signal)</b>					
Trespasser Prevention	Kalamazoo to Dearborn	Install ROW fencing and pedestrian safety features at crossings	\$6,047,746	\$3,123,873	\$2,923,873
Jackson-Ypsilanti Curve Mods	Jackson to Ypsilanti	Construction - Curve mods and one rail train	\$15,399,976	\$9,199,987	\$6,199,989
AML139.46 Superstructure Replacement	Kalamazoo County	Design - Superstructure replacement	\$150,000	\$0	\$150,000
Michigan Line System-wide Concrete Repairs	Various Locations	CPM concrete repair on structures over roadway	\$5,000,000	\$0	\$5,000,000
Signal Rehabilitation	Kalamazoo to Dearborn	Replace 26 crossing gate mechanisms	\$1,014,000	\$0	\$1,014,000
Grade Crossing Rehabilitation	Kalamazoo to Dearborn	Rehab 8 grade crossings	\$1,600,000	\$0	\$1,600,000
<b>Freight Lines Capital (Track/Bridge)</b>					
GLC B02-18201.10 Superstructure Replacement	Clare County	Superstructure replacement and pier removal	\$5,000,000	\$0	\$5,000,000
GLC B04-24423.56 Substructure Repair	Emmet County	Substructure repair	\$300,000	\$0	\$300,000
H&E X01-79086.50	Tuscola County	Design - Bridge replacement	\$300,000	\$0	\$300,000
H&E B01-79086.74	Tuscola County	Design - Concrete CPM	\$50,000	\$0	\$50,000
H&E B02-79086.46	Tuscola County	Design - Superstructure and pier replacement	\$600,000	\$0	\$600,000
System-wide Culvert Replacement	Various Locations	Non-bridge qualifying culvert replacement	\$2,000,000	\$0	\$2,000,000
Update 19 Detailed Bridge Inspections	Hillsdale County	Detailed Inspections and load ratings	\$500,000	\$0	\$500,000
Rail Crop and Slide + Whitmore Lake Siding	Washtenaw and Livingston Counties	Crop and Slide - 12.3 miles + Upgrade siding rail from 70# to 90#	\$4,500,000	\$0	\$4,500,000
<b>Freight Economic Development Program</b>					
Projects TBD	TBD		\$4,000,000	\$0	\$4,000,000
<b>Miscellaneous</b>					
Grand Rapids Station Track Inspection	Grand Rapids	Provide federally-required inspection services	\$36,400	\$0	\$36,400

**FY 2025**

	Location	Project Description	Estimated Cost	Federal/Other	State
<b>Passenger Rail Operating</b>					
Amtrak Operating Assistance	three Amtrak corridors	Provide federally-mandated operating assistance	\$25,000,000	\$0	\$25,000,000
Midwest States Equipment	three Amtrak corridors	Michigan's share of multi-state equipment contract	\$1,000,000	\$0	\$1,000,000
			<b>\$26,000,000</b>	<b>\$0</b>	<b>\$26,000,000</b>
<b>Kalamazoo-Dearborn Maintenance</b>					
Kalamazoo-Dearborn Maintenance	Kalamazoo to Dearborn	General maintenance/State of Good Repair activities	\$11,000,000	\$0	\$11,000,000
Insurance and Utilities	Kalamazoo to Dearborn	Property insurance and utilities	\$1,700,000	\$0	\$1,700,000
			<b>\$12,700,000</b>	<b>\$0</b>	<b>\$12,700,000</b>
<b>Kalamazoo-Dearborn Capital (Track/Bridge/Signal)</b>					
Trespasser Prevention	Kalamazoo to Dearborn	Install ROW fencing and pedestrian safety features at crossings	\$6,047,746	\$3,123,873	\$2,923,873
Diamond Replacement	Wayne	Procure CP 18 diamonds	\$1,000,000	\$0	\$1,000,000
AML41.16	Washtenaw County	Substructure repairs, safety railing and walkway installation	\$600,000	\$0	\$600,000
AML30.94	Washtenaw County	Safety railing and walkway installation	\$400,000	\$0	\$400,000
AML129.39	Kalamazoo County	Substructure repairs, safety railing and walkway installation	\$200,000	\$0	\$200,000
AML139.46 Superstructure Replacement	Kalamazoo County	Superstructure replacement	\$1,500,000	\$0	\$1,500,000
Signal Rehabilitation	Kalamazoo to Dearborn	Replace 28 crossing gate mechanisms	\$1,092,000	\$0	\$1,092,000
<b>Freight Lines Capital (Track/Bridge)</b>					
X01-79000.40 at grade conversion	Tuscola County	Design - Convert bridge to grade crossing	\$150,000	\$0	\$150,000
GLC B01-76087.20 Bridge Replacement	Livingston County	Bridge replacement	\$400,000	\$0	\$400,000
GLC B06-47070.85 Bridge Replacement	Shiawassee County	Bridge replacement	\$400,000	\$0	\$400,000
GLC B08-76109.86 Culvert Replacement	Livingston County	Culvert replacement	\$200,000	\$0	\$200,000
GLC B10-76112.25 Culvert Replacement	Livingston County	Culvert replacement	\$200,000	\$0	\$200,000
GLC B02-81049.05 Culvert Replacement	Washtenaw County	Culvert replacement	\$150,000	\$0	\$150,000
H&E X01-79086.50	Tuscola County	Bridge replacement	\$3,000,000	\$0	\$3,000,000
H&E B01-79086.74	Tuscola County	Concrete CPM	\$200,000	\$0	\$200,000
H&E B02-79086.46	Tuscola County	Superstructure and pier replacement	\$4,500,000	\$0	\$4,500,000
GLC R01-47998 Removal and closure	Livingston County	Design - Removal and closure	\$200,000	\$0	\$200,000
GLC R01-47999 and R01-47997 CPM	Livingston County	Design - CPM	\$200,000	\$0	\$200,000
GLC X01-47062	Livingston County	Design - Super- sub- structure repair and full paint	\$300,000	\$0	\$300,000
System-wide Culvert Replacement	Various Locations	Non-bridge qualifying culvert replacement	\$2,000,000	\$0	\$2,000,000
Update 28 Detailed Bridge Inspections	Various Locations	Detailed inspections and load ratings	\$700,000	\$0	\$700,000
Bridge Rail Joint Removal	Hillsdale County	13 structures - remove rail joints from bridges	\$200,000	\$0	\$200,000
Rail Crop and Slide	Livingston County	Crop and slide 10 miles rail	\$3,200,000	\$0	\$3,200,000
<b>Freight Economic Development Program</b>					
Projects TBD	TBD		\$4,000,000	\$0	\$4,000,000
<b>Miscellaneous</b>					
Grand Rapids Station Track Inspection	Grand Rapids	Provide federally-required inspection services	\$36,400	\$0	\$36,400