



Marquette County Road Commission

1610 North Second Street
Ishpeming, Michigan 49849
Phone: (906) 486-4491
Fax: (906) 486-4493

BUSINESS: Marquette County Townships

FAX NO:

FROM: Mary Sholander, Clerk 

FAX NO: (906) 486-4493

PHONE NO: (906) 486-4491 x102

DATE: September 24, 2019

NO PAGES: 7, including this cover sheet

Fiscal Year 2020 Proposed Primary Road Crack Sealing, Chip Sealing, and Paving Projects

At their Regular Board Meeting held yesterday, September 23rd, 2019, the MCRC Board directed staff to forward the Primary Road Asset Management Plan recommendations to the Townships. The Plan recommends spending \$2.95 million in crack sealing, chip sealing and paving projects. (See attached Pages 3-6).

Because the fiscal Year 2020 budget only provides for \$1.7 budget for these types projects. (See Pages 1-2), the Board also directed staff to forward the Manager's recommendation to the townships. The projects listed on page 6 are projects using federal funds and are also included in the manager's recommendation.

Any potential **ADDITIONAL** road funding which may be provided as a part of the approval of the Michigan State Budget will be put towards funding projects not recommended by the manager but are identified under the MCRC 2020 Asset Management Plan.

This item will be on the agenda for the Board's next regular meeting, scheduled for October 21st, 2019.

Comments can be made by contacting Jim Iwanicki at jiwanicki@marqroad.org.

William Luetzow, Chair

Russell Williams, Vice-Chair

Joseph Valente, Member

David E. Hall, Member

Ray Roberts, Member

James M. Iwanicki, P.E., Engineer-Manager



Marquette County Road Commission
1610 North Second Street
Ishpeming, Michigan 49849
Phone: (906) 486-4491
Fax: (906) 486-4493

12C

September 20, 2019

MEMO:

TO: Board of Road Commissioners
FROM: Jim Iwanicki
RE: 2020 Asset Management Plan Projects and Budget Recommendation

INFORMATION:

Attached is the recommendations from the engineering department on projects needed to be completed to meet our asset management plan goals. The list includes \$2.95 million in non-federal aid improvements. To balance the budget for FY 2020 we only have \$1.7 million to spend.

I have prioritized as follows – Crack sealing should have the highest priority followed by chip sealing and then finally paving.

Please see the attached spread sheet for my recommendations.

RECOMMENDATION:

The State Legislature might place additional general fund revenue into the MTF fund during the approval of the State Budget. If that happens, I recommend that additional unexpected MTF revenues should be put toward our primary road paving program.

Review the information and make final decision on primary road paving projects at the October Board Meeting.

BUDGET:

No impact to 2020 Budget.

Primary Road Asset Management Proposed Projects

2020 Overband Crack Fill						
Road Name	Map Reference	Limits	Distance (Mile)	Cost/Mile	Estimated Cost	Jim's Recommendations
CR 510/AAA	CF1	CR 550 Westerly to End of Pavement	8.0	\$ 6,000.00	\$ 48,000.00	\$ 48,000.00
CR 456	CF2	RR tracks at M35 Northeasterly for 2.6 Miles	2.6	\$ 6,000.00	\$ 15,600.00	\$ 15,600.00
CR 550	CF3	Marquette City Limits Northerly to CR 510	22.0	\$ 6,000.00	\$ 132,000.00	\$ 132,000.00
CR 573	CF4	0.4 Miles SE of Cooper Lake Road Northerly for 1.0 Mile	1.0	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00
CR 601	CF5	Fence River Rd Northerly to Cherry Lane	4.3	\$ 6,000.00	\$ 25,800.00	\$ 25,800.00
CR 601	CF6	M 95 Easterly 1.0 Mile	1.0	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00
CR 607	CF7	US 41 Northerly for 2.0 Miles	2.0	\$ 6,000.00	\$ 12,000.00	\$ 12,000.00
Overband Crack Fill Total Cost:					\$ 245,400.00	\$ 245,400.00

2020 Chip & Fog Seal						
Road Name	Map Reference	Limits	Distance (Mile)	Cost/Mile	Estimated Cost	Jim's Recommendations
CR 476	CS1	CR PG Northerly to CR PE	0.8	\$ 35,000.00	\$ 28,000.00	\$ 28,000.00
CR 492	CS2	Chapel Ridge Drive Westerly to Marquette Township Limits	1.3	\$ 35,000.00	\$ 45,500.00	\$ 45,500.00
CR 502	CS3	US 41 Westerly Back to US 41 (Skip CR 510 New Intersection)	2.1	\$ 35,000.00	\$ 73,500.00	\$ 73,500.00
CR 545	CS4	Townhall Road Northerly to US 41	4.5	\$ 35,000.00	\$ 157,500.00	\$ 157,500.00
CR 550	CS5	CR 510 North to the End of CR 550	1.8	\$ 35,000.00	\$ 63,000.00	\$ 63,000.00
CR 551	CS6	CR 480 Northerly to Fraco Driveway	1.5	\$ 35,000.00	\$ 52,500.00	\$ 52,500.00
CR 557	CS7	1.0 Mile North of CR 438 Northerly to Serenity Drive	3.9	\$ 35,000.00	\$ 136,500.00	\$ 136,500.00
CR 573	CS8	Poplar Street Northerly to 0.4 Miles SE of Cooper Lake Road	1.5	\$ 35,000.00	\$ 52,500.00	\$ 52,500.00
CR 581	CS9	Ishpeming City Limits Westerly to CR 571 (Stoneville Rd)	1.1	\$ 35,000.00	\$ 38,500.00	\$ 38,500.00
CR 601	CS10	Cherry Lane Northerly to Crabtree Road	1.9	\$ 35,000.00	\$ 65,800.00	\$ 65,800.00
Old Wright Street*	CS11	US 41 Northerly to CR 492	0.5	\$ 90,000.00	\$ 45,000.00	\$ 45,000.00
Chip & Fog Seal Total Cost:					\$ 758,300.00	\$ 758,300.00

* = Recommended fix due to heavy use from MDOT roundabout construction on US 41 to extend time before pavement replacement.

2020 HMA Paving						
Road Name	Map Reference	Limits	Distance (Mile)	Cost/Mile	Estimated Cost	Jim's Recommendations
CR 533	P1	Huber Creek Bridge Northerly to US 41	0.9	\$ 286,000.00	\$ 257,400.00	
CR 492	P2	M 35 Westerly to Negaunee City Limits	1.0	\$ 350,000.00	\$ 350,000.00	
CR 573	P3	2019 Project Northerly to CR GY	1.3	\$ 183,040.00	\$ 237,952.00	
CR 478	P4	CR 482 Northerly to US 41	1.6	\$ 150,000.00	\$ 240,000.00	
CR 426	P5	.16 Miles East of CR 5R Westerly to Ford River Road	1.7	\$ 150,000.00	\$ 255,000.00	\$ 255,000.00
Avenue B	P6	5th Street Northerly to 10th Street	0.3	\$ 183,040.00	\$ 54,912.00	\$ 54,912.00
CR 510	P7	Hoist Dam Road Northerly to End of Pavement	1.3	\$ 183,040.00	\$ 237,952.00	\$ 237,952.00
CR 496	P8	US 41 Westerly to Wawanowin Golf Club Road	0.9	\$ 183,040.00	\$ 164,736.00	
CR 492*	P9	US 41 Northerly to Forestville Road/Commerce Drive	0.6	\$ 250,000.00	\$ 150,000.00	\$ 150,000.00
HMA Paving Total Cost:					\$ 1,947,952.00	\$ 697,864.00

* = Recommended fix to address expedated deterioration due to heavy truck traffic since there are financial savings with 2020 Category F & HSIP construction projects planned on this corridor.

Primary Road Paving & PM Total Cost:	\$ 2,951,652.00	Jim's Recommendations	\$ 1,701,564.00
---	------------------------	------------------------------	------------------------

Resurfacing Fix from Asset Management	Cost/Mile
Crush & Shape with 3.5" of HMA	\$ 350,000.00
Gravel Lift (6") with 2" of HMA	\$ 286,000.00
Mill & Overlay 1.5"	\$ 250,000.00
Wedge & 1.5" Overlay	\$ 183,040.00
2" Overlay	\$ 150,000.00



Marquette County Road Commission

1610 North Second Street
Ishpeming, Michigan 49849

Phone: (906) 486-4491

Fax: (906) 486-4493

12C

September 18, 2019

MEMO:

TO: Jim Iwanicki and Board of Road Commissioners
FROM: MCRC Engineering Department
RE: 2020 Asset Management Recommendations for the MCRC Primary Road Network

INFORMATION:

The MCRC Engineering Department created a list of road improvement project for the MCRC Primary Road Network based off of the MCRC Road Asset Management Plan strategy. Engineering judgement will still play a major role in the final selection of proposed projects due to the large quantity of project estimates and limited road improvement budget.

RECOMMENDATION:

The MCRC Engineering Department recommends that the proposed Primary Road Asset Management projects in the spreadsheet attached be prioritized in the Chip & Fog Seal and HMA Paving categories to fit the MCRC road improvement budget with all Overband Crack Fill projects being completed for the 2020 construction season

Legend

- Proposed Crack Fill Projects
- Proposed Chip & Fog Seal Projects
- Proposed HMA Projects
- 2020 State/Federal Funded HMA Projects



Primary Road Asset Management Proposed Projects

2020 Overband Crack Fill					
Road Name	Map Reference	Limits	Distance (Mile)	Cost/Mile	Estimated Cost
CR 510/AAA	CF1	CR 550 Westerly to End of Pavement	8.0	\$ 6,000.00	\$ 48,000.00
CR 456	CF2	RR tracks at M35 Northeasterly for 2.6 Miles	2.6	\$ 6,000.00	\$ 15,600.00
CR 550	CF3	Marquette City Limits Northerly to CR 510	22.0	\$ 6,000.00	\$ 132,000.00
CR 573	CF4	0.4 Miles SE of Cooper Lake Road Northerly for 1.0 Mile	1.0	\$ 6,000.00	\$ 6,000.00
CR 601	CF5	Fence River Rd Northerly to Cherry Lane	4.3	\$ 6,000.00	\$ 25,800.00
CR 601	CF6	M 95 Easterly 1.0 Mile	1.0	\$ 6,000.00	\$ 6,000.00
CR 607	CF7	US 41 Northerly for 2.0 Miles	2.0	\$ 6,000.00	\$ 12,000.00
Overband Crack Fill Total Cost:					\$ 245,400.00

2020 Chip & Fog Seal					
Road Name	Map Reference	Limits	Distance (Mile)	Cost/Mile	Estimated Cost
CR 476	CS1	CR PG Northerly to CR PE	0.8	\$ 35,000.00	\$ 28,000.00
CR 492	CS2	Chapel Ridge Drive Westerly to Marquette Township Limits	1.3	\$ 35,000.00	\$ 45,500.00
CR 502	CS3	US 41 Westerly Back to US 41 (Skip CR 510 New Intersection)	2.1	\$ 35,000.00	\$ 73,500.00
CR 545	CS4	Townhall Road Northerly to US 41	4.5	\$ 35,000.00	\$ 157,500.00
CR 550	CS5	CR 510 North to the End of CR 550	1.8	\$ 35,000.00	\$ 63,000.00
CR 551	CS6	CR 480 Northerly to Fraco Driveway	1.5	\$ 35,000.00	\$ 52,500.00
CR 557	CS7	1.0 Mile North of CR 438 Northerly to Serenity Drive	3.9	\$ 35,000.00	\$ 136,500.00
CR 573	CS8	Poplar Street Northerly to 0.4 Miles SE of Cooper Lake Road	1.5	\$ 35,000.00	\$ 52,500.00
CR 581	CS9	Ishpeming City Limits Westerly to CR 571 (Stoneville Rd)	1.1	\$ 35,000.00	\$ 38,500.00
CR 601	CS10	Cherry Lane Northerly to Crabtree Road	1.9	\$ 35,000.00	\$ 65,800.00
Old Wright Street*	CS11	US 41 Northerly to CR 492	0.5	\$ 90,000.00	\$ 45,000.00
Chip & Fog Seal Total Cost:					\$ 758,300.00

* = Recommended fix due to heavy use from MDDOT roundabout construction on US 41 to extend time before pavement replacement.

2020 HMA Paving					
Road Name	Map Reference	Limits	Distance (Mile)	Cost/Mile	Estimated Cost
CR 533	P1	Huber Creek Bridge Northerly to US 41	0.9	\$ 286,000.00	\$ 257,400.00
CR 492	P2	M 35 Westerly to Neegaunee City Limits	1.0	\$ 350,000.00	\$ 350,000.00
CR 573	P3	2019 Project Northerly to CR GY	1.3	\$ 183,040.00	\$ 237,952.00
CR 478	P4	CR 482 Northerly to US 41	1.6	\$ 150,000.00	\$ 240,000.00
CR 426	P5	.16 Miles East of CR SR Westerly to Ford River Road	1.7	\$ 150,000.00	\$ 255,000.00
Avenue B	P6	5th Street Northerly to 10th Street	0.3	\$ 183,040.00	\$ 54,912.00
CR 510	P7	Hoist Dam Road Northerly to End of Pavement	1.3	\$ 183,040.00	\$ 237,952.00
CR 496	P8	US 41 Westerly to Wawanowin Golf Club Road	0.9	\$ 183,040.00	\$ 164,736.00
CR 492*	P9	US 41 Northerly to Forestville Road/Commerce Drive	0.6	\$ 250,000.00	\$ 150,000.00
HMA Paving Total Cost:					\$ 1,947,952.00

* = Recommended fix to address expedated deterioration due to heavy truck traffic since there are financial savings with 2020 Category F & HSIP construction projects planned on this corridor.

Primary Road Paving & PM Total Cost:	\$ 2,951,652.00
---	------------------------

Resurfacing Fix from Asset Management	Cost/Mile
Crush & Shape with 3.5" of HMA	\$ 350,000.00
Gravel Lift (6") with 2" of HMA	\$ 286,000.00
Mill & Overlay 1.5"	\$ 250,000.00
Wedge & 1.5" Overlay	\$ 183,040.00
2" Overlay	\$ 150,000.00

2020 State/Federal Funded Primary Road HMA Projects				
Road Name	Map Reference	Limits	Distance (Mile)	Estimated Project Cost
492	F1	Old Wright Street to Marquette City Limit (Crush & Shape)	0.7	\$ 500,000.00
456	F2	.6 Mi E of CR EDA to .3 Mi E of E. Branch Chocolay River (Overlay)	2.5	\$ 410,000.00
581	F3	CR PRE to Tony's Lane (Crush & Shape)	2.0	\$ 769,000.00

PGG