

**CHEBOYGAN COUNTY  
ROAD COMMISSION**

**2020  
BUDGET**

## **INDEX**

<b>2019 Budget and 2019 Estimate Amended Comparison</b>	<b>Page 1</b>
<b>2020 Proposed Budget</b>	<b>Page 2</b>
<b>2020 Heavy Maintenance Projects and Costs</b>	
Primary Roads	<b>Page 3</b>
Local Roads	<b>Page 4</b>
<b>2020 Capital Outlay Lists</b>	<b>Page 5</b>
<b>Primary Road History Summarization</b>	<b>Page 6-14</b>
2000 to Present	
<b>Local Road History Summarization</b>	<b>Page 15-32</b>
2000-Present	

**2019 Budget and 2019 Estimate Amended Comparison**

<u>REVENUES</u>	<u>2019 Budget</u>	<u>2019 Estimate Amended Budget</u>
MI Transportation Funds - Primary	\$ 2,946,062.00	\$ 3,080,000.00
MI Transportation Funds - Local	\$ 2,624,107.00	\$ 2,800,000.00
MI Transportation Funds - Engineering	\$ 10,000.00	\$ 10,000.00
MI Transportation Funds - Snow	\$ 189,812.00	\$ 209,364.00
Millage	\$ 1,251,000.00	\$ 1,247,473.00
State and Federal Funds - Forest Funds	\$ 119,633.00	\$ 119,632.00
Safety Funds/STP/Federal/FWS	\$ 100,720.00	\$ 460,000.00
STP-Primary	\$ 1,227,564.00	\$ 1,076,368.00
State and Federal Funds - CAT D/GF	\$ 226,711.00	\$ 246,000.00
Maintenance Advance	\$ -	\$ -
MDOT Contract and Non-Maintenance	\$ 1,869,777.00	\$ 2,300,000.00
Township Agreements	\$ 192,940.00	\$ 745,000.00
Permit Fees	\$ 37,800.00	\$ 37,000.00
Interest	\$ 3,000.00	\$ 3,700.00
Miscellaneous	\$ 50,000.00	\$ 60,000.00
	\$ -	\$ -
<b>TOTAL REVENUES</b>	<b>\$ 10,849,126.00</b>	<b>\$ 12,394,537.00</b>

<u>EXPENDITURES</u>		
Primary Construction	\$ -	\$ 309,000.00
Primary Roads - Heavy Maintenance	\$ 3,135,275.00	\$ 2,800,000.00
Local Roads-Heavy Maintenance	\$ 502,322.00	\$ 1,000,000.00
Primary Roads-Routine Maintenance	\$ 2,463,700.00	\$ 2,500,000.00
Local Roads-Routine Maintenance	\$ 2,184,769.00	\$ 2,700,000.00
MDOT Contract	\$ 1,869,777.00	\$ 2,300,000.00
Administrative Expense	\$ 700,000.00	\$ 700,000.00
Administrative Credits	\$ (190,000.00)	\$ (210,000.00)
Debt Service Interest	\$ 54,925.00	\$ 49,420.00
Capital Outlay	\$ 320,000.00	\$ 422,000.00
Depreciation	\$ (469,000.00)	\$ (469,000.00)
Debt Service Principal	\$ 140,000.00	\$ 140,000.00
Equipment Loan Payment	\$ 128,806.00	\$ 128,806.00
Equipment Maintenance	\$ 2,485,000.00	\$ 2,500,000.00
Equipment Rents	\$ (2,485,000.00)	\$ (2,500,000.00)
Maintenance Advance	\$ 8,552.00	\$ -
<b>TOTAL EXPENDITURES</b>	<b>\$ 10,849,126.00</b>	<b>\$ 12,370,226.00</b>

**2020 Proposed Budget**

Fund Balance Usage \$ 1,157,157.00

**REVENUES**

MI Transportation Funds-Primary	\$ 3,166,426.00
MI Transportation Funds-Local	\$ 2,823,786.00
MI Transportation Funds-Engineering	\$ 10,000.00
MI Transportation Funds-Snow	\$ 209,364.00
State/Federal Funds-Forest	\$ 119,633.00
Huron Pines/FWS	\$ 6,975.00
STP- Primary	\$ 613,000.00
State/Federal Funds-CAT D	\$ 70,325.00
Millage Revenue	\$ 1,251,000.00
Safety Funds/STP/Bridge Funds	\$ 555,180.00
General Fund	\$ 342,370.00
MDOT Maintenance and Non-Maintenance	\$ 2,248,099.00
Township Agreements	\$ 1,228,813.00
Interest	\$ 2,600.00
Permits	\$ 37,800.00
Miscellaneous	\$ 50,000.00
Installment Loan	\$ 410,000.00
<b>TOTAL REVENUES</b>	<b>\$ 14,302,528.00</b>

**EXPENDITURES**

Primary Roads-Heavy Maintenance	\$ 4,035,870.00
Local Roads-Heavy Maintenance	\$ 1,875,515.00
Primary Roads-Routine Maintenance	\$ 2,500,000.00
Local Roads-Routine Maintenance	\$ 2,750,000.00
MDOT Contract	\$ 2,248,099.00
Administrative Expense	\$ 700,000.00
Administrative Credits	\$ (190,000.00)
Capital Outlay	\$ 460,000.00
Depreciation	\$ (469,000.00)
Equipment Maintenance	\$ 2,500,000.00
Equipment Rents	\$ (2,500,000.00)
Equipment Loan Payment	\$ 200,156.00
Debt Service Principal	\$ 140,000.00
Debt Service Interest	\$ 51,888.00
<b>TOTAL EXPENDITURES</b>	<b>\$ 14,302,528.00</b>

## 2020 Primary Projects and Projected Costs

Total Project Cost	<u>STP Funds</u>	<u>State-D Funds</u>	<u>Bridge Funds</u>	<u>Millage Funds</u>	<u>Engineering</u>	<u>Non Participaing</u>
<b><u>Primary Projects</u></b>						
Parke/Reams Road (Millage)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ 51,000.00	\$ -	\$ -	\$ 51,000.00	\$ -	\$ -
VFW Road (Millage)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ 520,000.00	\$ -	\$ -	\$ 520,000.00	\$ -	\$ -
E Burt Lake Road Millage)	\$ 680,000.00	\$ -	\$ -	\$ 680,000.00	\$ -	\$ -
South River Road (Fed Aid)	\$ 766,325.00	\$ 613,000.00	\$ 70,325.00	\$ -	\$ 83,000.00	\$ -
Subtotal	\$ 2,017,325.00	\$ 613,000.00	\$ 70,325.00	\$ 1,251,000.00	\$ 83,000.00	\$ -
<b><u>Local Bridge Program</u></b>						
Gaynor Bridge Engineering	\$ 2,018,545.00	\$ -	\$ -	\$ -	\$ 100,000.00	\$ 1,363,365.00
Subtotal	\$ 2,018,545.00	\$ -	\$ -	\$ -	\$ 100,000.00	\$ 1,363,365.00
Grand Total	\$ 4,035,870.00	\$ 613,000.00	\$ 70,325.00	\$ 1,251,000.00	\$ 183,000.00	\$ 1,363,365.00

**2020 Local Road Routine and Heavy Maintenance Funds  
PROJECTS AND PROJECTED COSTS**

Projects listed are for budgetary purposes only. Actual construction will depend on securing local agreements and scheduling.

	<u>Total Project Cost</u>	<u>Total Routine Mtnce C</u>	<u>Township Reim.</u>	<u>Other Ant. Reimb.</u>
2020 Allocation	\$ 250,000.00			
2019 Carryover Allocation	\$ 175,000.00			
Long Lake Road	\$ 40,800.00	\$ 40,800.00	\$ 40,800.00	
Alpena State Road Culvert CordWood Trail	\$ 15,375.00 \$ 172,200.00	\$ 15,375.00	\$ 147,200.00	\$ 6,975.00
Sturgeon Bay Road	\$ 115,515.00	\$ 115,515.00	\$ 115,515.00	
Wing-M27-Indian Trail	\$ -			
Wing-Laperell to Riggsville	\$ 71,500.00	\$ 71,500.00	\$ 45,070.00	
Indian Trail Wing-M27	\$ 167,000.00	\$ 167,000.00	\$ 139,180.00	
Indian Trail-Inv to Wing	\$ 132,000.00	\$ 132,000.00	\$ 104,360.00	
Hackleburg Road	\$ 191,600.00	\$ 191,600.00	\$ 162,768.00	
Parrotts Point	\$ -			
	\$ 300,400.00	\$ 300,400.00	\$ 269,392.00	
Wurm Road	\$ 117,900.00	\$ 117,900.00	\$ 90,760.00	\$ -
	\$ 141,600.00	\$ 141,600.00	\$ 113,768.00	
<b>Grand Total</b>	<b>\$ 1,875,515.00</b>	<b>\$ 15,375.00</b>	<b>\$ 1,228,813.00</b>	<b>\$ 6,975.00</b>

CAPITAL OUTLAY 2019

Three (3) Tandem Trucks    \$ 410,000.00

Miscellaneous                \$ 50,000.00

\$ 460,000.00

## PRIMARY ROAD HISTORY SUMMARIZATION

### 2000

Black River Road: From N. Allis Hwy. To M-68. Approximately 4 miles. Bituminous Crushing and Shaping, Resurfacing, Curb and Gutter, Shoulder Widening and Drainage Improvements. 80% State and Federal Funds, 20% County Match.

Afton Road: From M-68 to Pigeon River Road. Approximately 3 Miles. Bituminous Pavement Surfacing, Guardrail and Pavement Markings. 80% State Funds and 20% County Match.

Riggsville Road: Miscellaneous Bituminous Wedging, Centerline Painting and Edgeline Painting. 100% Primary Maintenance Funds.

Levering Road: From Slade Road to Inverness Trail Road. Bituminous Shoulder Widening, Centerline Painting and Edgeline Painting. 100% Primary Maintenance Funds.

Black River Road: Miscellaneous Centerline Painting. 100% Primary Maintenance Funds.

Old 27: Miscellaneous Centerline and Edgeline Painting. 100% Primary Maintenance Funds.

E. Mullett Lake Road: Miscellaneous Centerline and Edgeline Painting. 100% Primary Maintenance Funds.

Mann Road: Miscellaneous Centerline Painting. 100% Primary Maintenance Funds.

Black River Road: Twin Culvert Replacement, Sand Subbase, Aggregate Base, Bituminous Surfacing, Riprap and Guardrail. 100% Primary Heavy Maintenance Funds.

There was 9 miles of Primary Road Chipseal.

### 2001

Afton Road: From Pigeon River Road westerly to Ellis Township Hall. Approximately 2 miles. Subgrade Undercut, Sand Subbase, Aggregate Base, Culvert Replacements, Ditching and Restoration. 80% D-Funds and 20% County Match.

Onaway Road: From I-75 overpass to E. Mullett Lake Road. Approximately 1.5 miles. Bituminous Wedging, Overlay, Centerline and Edgeline Painting. 100% Primary Maintenance Funds.

Black River Road: Various Locations. Bituminous Wedging, Skip Patching, Centerline and Edgeline Painting. 100% Primary Maintenance Funds.

Mann Road: From Pallister Road easterly. Approximately 0.5 Mile. Bituminous Wedging and Edgeline Painting. 100% Primary Maintenance Funds.

S. Straits Hwy: From Bridge to M-68. Approximately .75 mile. Bituminous Overlay, Centerline and Edgeline Painting. 100% Primary Maintenance Funds.

Riggsville Road: I-75 Overpass. Approximately .25 mile. Bituminous Shoulder Widening, Rolled Curb, Overlay, Centerline and Edgeline Painting. 100% Primary Maintenance Funds.

Townline Road: From City Limits to VFW Road. Approximately 1 Mile. Bituminous Overlay, Centerline and Edgeline Painting. 100% Primary Maintenance Funds.

There was 15 miles of Primary Road Chipseal.

## 2002

Afton Road: Ellis Township Hall to Rondo Road. Approximately 1.5 miles. Aggregate Base Correction, Culvert Replacements, Ditching and Restoration. 80% STP Funds and 20% County Match.

E. Mullett Lake Rd.: Washout repair, culvert replacement, sand backfill, aggregate base, bituminous paving, restoration, riprap and guardrail. 100% Primary Funds.

Wolverine Rd.: Skip patch and wedging. 100% Primary Funds

There was 13.7 miles of Primary Road Chipseal.

## 2003

Afton Road: Munger Road to Rondo Road. Approximately 3.5 miles. Aggregate base conditioning, fine grading, bituminous paving and class II shoulders. 80% STP funds and 20% County match.

VFW Road: M-27 to Wing Road. Approximately 1.8 miles. Concrete curb and gutter, guardrail, bituminous overlay, polymer coating at snowmobile crossings and aggregate shoulders. 80% STP funds and 20% County match.

Old Mackinaw Road & Pries Road: Campbell Road to Pries Road and Pries Road from Old Mackinaw to US-23. Approximately 1.7 miles. Bituminous base crushing and shaping, culvert replacements, guardrail, concrete curb and gutter, aggregate shoulders and approaches, bituminous paving and restoration. 80% STP funds and 20% County match.

Mullett/Burt Road: Sand subbase, aggregate base, ditching, fine grading, culverts, restoration and bituminous paving. County Primary Funds with Mullett Township and Burt Township participation with bituminous paving costs.

E. Mullett Lake Road: Guardrail placement. 100% Primary Funds.

There were 19.1 Miles of Primary Road Chipseal.

## 2004

Mullett Burt Road: Subgrade undercutting, sand subbase, aggregate base, ditching, culvert replacements, hot mix asphalt paving, aggregate shoulders and riprap. County Primary Funds with Mullett Township participation in hot mix asphalt paving.

Mullett Burt at Richardson Road: 0.31 mile of reconstruction including embankment, earth excavation, aggregate base, drainage improvements, hot mix asphalt surfacing, retaining wall, pavement markings, restoration and guardrail. 80% Safety Funds and 20% County Match with Mullett Township participation in the hot mix asphalt surfacing.

Wolverine Road: 4.09 miles of road rehabilitation including hot mix asphalt base crushing and shaping, embankment, aggregate base, hot mix asphalt surfacing, concrete curb and gutter, aggregate shoulders, drainage, guardrail and intersection improvements, pavement markings and restoration. 100% Fed. D Funds, State D Funds and STP funds.

Black River Road: 0.58 mile of guardrail updates (various locations), including guardrail removal, embankment, guardrail, approach terminals and restoration. 80% Safety Funds and 20% County Primary Funds.

## 2005

Wolverine Road: County line road east approximately 3.59 miles. Bit. base crush and shape, ditching, culvert replacements, curb and gutter, tree removal, hot mix asphalt paving, aggregate shoulders, aggregate approaches, and restoration. 100% Fed. D Funds, State D Funds and STP Funds.

## 2006

None

## 2007

Topinabee Mail Route: M-27 north to Léa Street, HMA overlay. Cheboygan County Road Commission Funds.

Black River Road: N. Allis Hwy to Zolner Road. Bituminous base crushing and shaping, culvert cleanouts and replacements, aggregate base conditioning, ditching, curb & gutter, guardrail, bit. rolled curb, widening and hot mix asphalt. Michigan jobs for today funds.

Twin Lakes Road: Doriva Beach Road east approximately one mile. Aggregate base conditioning, drainage corrections, sediment traps, guardrail, super elevated curve corrections, clearing, restoration HMA curb and HMA paving. Safety Grant Funds and Cheboygan County Road Commission Funds.

Sealcoated 1598' of Primary Road on Trowbridge Road.

Painted 33.74 miles of centerline paint and 6.01 miles of edgeline.

## 2008

Old-27 from Wolverine Village Limits to the South County Line: 5.49 miles of hot mix asphalt road rehabilitation, asphalt emulsion full depth reclamation, drainage, concrete curb and gutter, guardrail, slope restoration and pavement marking. STP Funds

S. Extension Road: 4.09 miles of hot mix asphalt road rehabilitation, aggregate base conditioning, grading, drainage, concrete curb and gutter, guardrail, pavement marking and slope restoration. STP and Federal-D Funds.

Painted 60.40 miles of centerline paint and 61.80 miles of edgeline.

## 2009

E. Mullett Lake Road Bridge: Structure removal and bridge placement, sand subbase, aggregate base, HMA paving, guardrail, slope restoration and riprap. Critical Bridge Program Funds and Road Commission Funds (0.17)

S. Black River Road: Guardrail placement. MDOT Safety Program Funds and Road Commission Funds (0.14)

There was 161.2 miles of centerline painting.

## 2010

Reams/Pickeral Lake Road Safety Project. Project included cutting the hill to improve sight distance, sand subbase, drainage corrections, aggregate base, HMA asphalt, bituminous rolled curb, topsoil, seed, mulch and riprap and centerline/edgeline painting. Safety Funds and Road Commission Funds. (0.51)

## 2011

South Straits Highway Bridge: Began removal of existing bridge over the Indian River. This project is an ongoing project for 2011-12. Critical Bridge Funds and Cheboygan County Road Commission Funds.

## 2012

South Straits Highway Bridge: Replaced the existing camel back bridge with a pre-stressed concrete box beam bridge. Bridge is now 130' long and 40' wide and also has a 6' sidewalk. Critical Bridge Funds and Cheboygan County Road Commission Funds.

## 2013

E. Mullett Lake Road Safety Project. Project included aggregate base, bituminous base crushing and shaping. Tree removal, ditching, culverts, super elevation correction, placing new guardrail, new signs, hot mix asphalt, restoration and pavement markings. Safety Funds and Road Commission Funds. (.21 Mile)

Burt Township Trail. Project included clearing, sand subbase, aggregate base, earth excavation, embankment, culvert and drainage structures, some hot mix asphalt paving, signing and restoration. STP Enhancement funds, Michigan Dept. of Natural Resources and Local Funds. (5.1 Miles)

Tuscarora Safe Routes to School. Project is a two year project. Project is to construct a 6' wide non-motorized path from Wilson Rd. to Burt Lake State Park and 10' wide HMA path from Burt Lake State Park to Club Road along M-68. This year work included earth excavation, sand subbase and aggregate base to the Sturgeon River crossing. Safe Routes to School Funds, STP Enhancement Funds, MNRTF and DDA Funds. (1.33 Miles)

## 2014

Black River Road: Culvert replacement at Stewart Creek. U.S. Fish and Wildlife Funds and Road Commission Funds.

Levering Road: Culvert replacement at Lancaster Creek. Road Commission Funds.

Black River/Mann Road: Monument Preservation. STP and Federal Funds.

Tuscarora Safe Routes to School. Project was constructed with 6' wide non-motorized path from Wilson Rd. to Burt Lake State Park and 10' wide HMA path from Burt Lake State Park to Club Road along M-68. Work included earth excavation, sand subbase and aggregate base, hma paving and pedestrian bridge and pedestrian crossing near Burt Lake State Park. Safe Routes to School Funds, STP Enhancement Funds, MNRTF and DDA Funds. (1.33 Miles)

## Primary Road

### 2015

**Black River/Mann Road:** Project included Base Crush & Shape, new Aggregate Base added, 8800' of Subbase Undercutting, Driveway Culvert replacement, Cross Culvert replacement, Ditching, 2 inch 34 foot wide HMA Surface w/ paved shoulders (bike & pedestrian), HMA Approaches, Slope Restoration and Pavement Markings. STP and Federal Funds. (4.71 mile)

**Riggsville Road:** Project included Base Crush & Shape, new Aggregate Base added, 3 inch 30 foot wide HMA Surface, HMA Curbing w/Spillways, HMA Approaches, Shoulder Gravel, Guardrail replacement, Pavement Markings. Cheboygan County Road Commission Mileage Funds. (2.79 mile)

**S. Straits Hwy:** Project included Base Crush & Shape, 4700' of Geogrid Stabilization, Cross Culvert replacement, 3 inch 30 foot wide HMA Surface, HMA Curbing w/Spillways, HMA Approaches, Shoulder Gravel, Guardrail replacement, Pavement Markings. Excavate hillside to create Clear Vision Corner at road intersection at Prospect St. and S. Straits Hwy. Cheboygan County Road Commission Mileage Funds. (2.07 mile)

## **2016 PRIMARY**

**East Mullett Lake Road:** Project included Base Crush & Shape, new Aggregate Base added, Cross Culvert replacement, 3 inch by 30 foot wide HMA Surface w/ paved shoulders , HMA Approaches, Concrete Curbing at intersections, Aggregate Shoulders, Slope Restoration and Pavement Markings. Cheboygan County Road Commission Millage Funds. (2.1 mile)

**East Mullett Lake Road:** Project included Base Crush & Shape, new Aggregate Base added, 3 inch by 30 foot wide HMA Surface w/ paved shoulders , HMA Approaches, Concrete Curbing at intersections, Aggregate Shoulders, Slope Restoration and Pavement Markings. Cheboygan County Road Commission Millage Funds and Mullett Township Funds. (0.9 mile)

**Levering Road:** Project included Base Crush & Shape, new Aggregate Base added, Cross Culvert replacement, 3 inch by 30 foot wide HMA Surface w/ paved shoulders , HMA Approaches, Concrete Curbing at intersections, Aggregate Shoulders, Slope Restoration and Pavement Markings. Cheboygan County Road Commission Millage Funds. (1.54 mile)

**Devereaux Lake Road:** Project included Base Crush & Shape, new Aggregate Base added, Driveway Culvert replacement, Cross Culvert replacement, Ditch Cleanout, 2 inch by 26 foot wide HMA Surface w/ paved shoulders , HMA Approaches, Aggregate Shoulders, Slope Restoration and Pavement Markings. STP and Federal Funds. (3.14 mile)

**Club Road & Onaway Road:** Project included Base Crush & Shape, new Aggregate Base added, 3 inch by 30 foot wide HMA Surface w/ paved shoulders , HMA Approaches, Concrete Curbing at intersections, Aggregate Shoulders, Slope Restoration and Pavement Markings. Cheboygan County Road Commission Funds, STP and Federal Funds. (1.00 mile)

Centerline Painting of all Primary Roads, 138 miles.

Edge Line Painting of Primary Roads, 6 miles.

## **2017 PRIMARY**

**S. Straits Hwy:** Millage Project included Base Crush & Shape, new Aggregate Base added, Cross Culvert Replacement, Drainage Correction, 3 inch by 30 foot wide HMA Surface w/ Paved Shoulders , HMA Approaches, Concrete Curbing at intersections, Aggregate Shoulders, Restoration and Pavement Markings. Village of Wolverine north to Haakwood Road. Cheboygan County Road Commission Millage Funds. (1.7 mile)

**Mullett-Burt Road:** Millage Project included Base Crush & Shape, new Aggregate Base added, 5600' of Sub-base Undercutting, Stabilization Fabric, Cross Culvert Replacement, Drainage Correction, 3 inch by 32 foot wide HMA Surface w/ Paved Shoulders , HMA Approaches, Concrete Curbing at intersections, Grass Shoulders, New Guardrail, Restoration and Pavement Markings. Topinabee Mail Route to E. Burt Lake Road. Cheboygan County Road Commission Millage Funds. (1.4 mile)

**East Mullett Lake Road:** Federal Aid Project included Base Crush & Shape, new Aggregate Base added, Cross Culvert Replacement, Drainage Correction, 3 inch by 30 foot wide HMA Surface w/ Paved Shoulders , HMA Approaches, Concrete Curbing at intersections, Aggregate Shoulders, Restoration and Pavement Markings. Hackleburg Road to Old School Road. STP and Federal Funds. (2.8 mile)

**Townline Road:** Safety Project included 1588' new guardrail in a large fill section, 0.16 mile north of VFW Road. HSIP and Federal Funds.

**Riggsville Road:** Safety Project included 913' new guardrail in a large fill section, at the intersection of Riggsville Road and E. Burt Lake Road. HSIP and Federal Funds.

**Paradise Lake Road:** Safety Project included 126' of removal of old guardrail, 675' new guardrail in at a stream crossing, 200' south of Hebron Townhall Road. HSIP and Federal Funds.

## **2018 PRIMARY**

**Townline Road:** Millage Project included Base Crush & Shape, new Aggregate Base added, Cross Culvert Replacement, Drainage Correction, 3 inch by 30 foot wide HMA Surface w/ Paved Shoulders , HMA Approaches, Concrete Curbing at intersections, Aggregate Shoulders, Restoration and Pavement Markings. M-27 to VFW Road. Cheboygan County Road Commission Millage Funds. (1.44 mile)

**Orchard Beach Road:** Millage Project included Base Crush & Shape, new Aggregate Base added, Cross Culvert Replacement, Drainage Correction, 3 inch by 30 foot wide HMA Surface w/ Paved Shoulders , HMA Approaches, Concrete Curbing at intersections, Aggregate Shoulders, Restoration and Pavement Markings. M-33 to S. River Road. Cheboygan County Road Commission Millage Funds. (1.88 mile)

**Twin Lakes Road:** Millage Project included Base Crush & Shape, new Aggregate Base added, Cross Culvert Replacement, Drainage Correction, 3 inch by 26 foot wide HMA Surface w/ Paved Shoulders , HMA Approaches, Concrete Curbing at intersections, Aggregate Shoulders, Restoration and Pavement Markings. Black River Road to Cronan Road. Cheboygan County Road Commission Millage Funds & General Fund. (1.47 mile)

Crack Sealing on Primary Roads, 9.15 miles & Local Roads, 9.09 miles

Centerline Painting on Primary Roads, 60 miles & Local Roads, 24 miles

Edge line Painting on Primary Roads, 0.2 miles & Local Roads, 24 miles

## **2019 PRIMARY**

**East Mullett Lake Road:** Federal Aid, Project included Base Crush & Shape, new Aggregate Base added, Cross Culvert Replacement, Drainage Correction, 3 inch by 30 foot wide HMA Surface w/ Paved Shoulders, HMA Approaches, Concrete Curbing at intersections, Aggregate Shoulders, Restoration and Pavement Markings. Old School Road to Hackleburg Road. STP and Federal Funds. (1.88 mile)

**Mann Road:** Federal Aid, Project included Base Crush & Shape, new Aggregate Base added, High Performance Geo-grid and 6 inch gravel lift through swamp area, Cross Culvert Replacement, Drainage Correction, 3 inch by 26 foot wide HMA Surface w/ Paved Shoulders, HMA Approaches, Concrete Curbing at intersections, Aggregate Shoulders, New Guardrail, Restoration and Pavement Markings. State Highway M-33 then 8800' east. STP and Federal Funds. (1.66 mile)

**Mann Road:** Millage, Project included Base Crush & Shape, new Aggregate Base added, Cross Culvert Replacement, Drainage Correction, 3 inch by 26 foot wide HMA Surface w/ Paved Shoulders, HMA Approaches, Aggregate Shoulders, New Guardrail, Restoration and Pavement Markings. 8800' east of State Highway M-33 to Pallister Road. Cheboygan County Road Commission Millage Funds. (0.86 mile)

**Parke Road:** MTF Funding Increase, Project included Shaping existing gravel surface, placing new Aggregate Base, Drainage Correction, 3 inch by 28 foot wide HMA Surface w/ Paved Shoulders, HMA Approaches, Aggregate Shoulders, Restoration and Pavement Markings. End of Pavement to Reams Road. Cheboygan County Road Commission MTF Funding Increase. (0.30 mile)

**Reams Road:** MTF Funding Increase, Project included Shaping existing gravel surface, placing new Aggregate Base, Drainage Correction, 3 inch by 28 foot wide HMA Surface w/ Paved Shoulders, HMA Approaches, Aggregate Shoulders, New Guardrail, Restoration and Pavement Markings. End of Pavement to Reams Road. Cheboygan County Road Commission MTF Funding Increase. (0.42 mile)

**S. Straits Hwy:** Millage, Project included Base Crush & Shape, Cross Culvert Replacement, Drainage Correction, 3 inch by 30 foot wide HMA Surface w/ Paved Shoulders, HMA Approaches, Aggregate Shoulders, Concrete Curb and Gutter at County Road Intersections, Restoration and Pavement Markings. White Road to State Highway M-68. Cheboygan County Road Commission Millage Funds. (0.86 mile)

**Seffern Road:** Project included removal of 3' culvert and replacement to a bottomless Aluminum Structural Plate Arch at Elliott Creek. Funded by Huron Pines and Cheboygan County Road Commission matching funds.

Centerline Painting on Primary Roads, 25.5 miles & Local Roads, 6 miles

## LOCAL ROAD HISTORY SUMMARIZATION

### 2000

Wurm Road: From Molineaux Road West to Lake View Drive. Approximately 1 mile. Subgrade Undercut, Sand Subbase, Ditching, Tree Removal, Culvert Replacements, Riprap, Geotextile Fabric, Aggregate Base and Restoration. This was a joint project between Nunda Township and Cheboygan County Road Commission.

Rondo Road: From Brudy Road to Afton Road. Approximately 1 mile. Subgrade Undercut, Sand Subbase, Geotextile Fabric, Culvert Replacement, Tree Removal, Geotextile Fabric, Aggregate Base and Restoration. This was a joint project between Ellis Township and Cheboygan County Road Commission.

Lindburgh Lane: From Galbraith to the End. Approximately 1800'. Ditching, Sand Subbase, Brush Removal, Culvert Placement, Aggregate Base and Restoration. This was a joint project between Benton Township and the Cheboygan County Road Commission.

West Island View Drive: From Carter Road to End. Approximately 1800'. Ditching, Subgrade Undercut, Sand Subbase, Tree Removal, Aggregate Base and Restoration. This was a joint project between Benton Township and the Cheboygan County Road Commission.

Sturgeon Valley Drive: From S. Straits Hwy. To S. Straits Hwy. Pulverized existing bituminous surface, graded and shaped, bituminous asphalt surface. This project was done by special assessment through Mentor Township.

Five Mile Point: From Black River Road to End. Approximately 1700'. Bituminous Surfacing and Class II Shoulders. This was a joint project between Grant Township and the Cheboygan County Road Commission.

Inverness Trail: From Levering Road to Campbell Road. Approximately 1 mile. Bituminous surfacing (two lifts), Class II Shoulders, Centerline and Edgeline Painting. This was a joint project between Beaugrand Township and the Cheboygan County Road Commission.

Moonlight Bay: From Lafayette to End. Approximately 1 mile. Approximately 400 feet of pavedry fabric, Bituminous Surface Overlay and Class II Shoulders. This was a joint project between Benton Township and the Cheboygan County Road Commission.

Lea Street: From Topinabee Mail Route to Bennett Street. Approximately 2700'. Bituminous Surface Overlay, Class II Shoulders. This was a joint project between Mullett Township and the Cheboygan County Road Commission.

Crescent Street: From Topinabee Mail Route to Lea Street. Approximately 500'. Aggregate Base, Bituminous Surfacing, Rolled Curb and Class II Shoulders. This was a joint project between Mullett Township and the Cheboygan County Road Commission.

There was 10.5 miles of Local Road Chipseal.

## 2001

Wurm Road: From Molineaux Road easterly. Approximately 1 mile. Bituminous Surfacing and Class II Shoulders. This was a joint project between Nunda Township and the Cheboygan County Road Commission.

Rondo Road: From Brudy Road to Afton Road. Approximately 1 mile. Bituminous Surfacing, Rolled Curb and Class II Shoulders. This was a joint project between Ellis Township and the Cheboygan County Road Commission.

Lindburgh Lane: From Galbraith to the End. Approximately 1800'. Bituminous Surfacing and Class II Shoulders. This was a joint project between Benton Township and the Cheboygan County Road Commission.

West Island View: From Carter Road to the End. Approximately 1800'. Bituminous Surfacing and Class II Shoulders. This was a joint project between Benton Township and the Cheboygan County Road Commission.

John Werner Drive: From S. River Road to End. Approximately 3700'. Total reconstruction including subgrade undercut, geotextile fabric, sand subbase, culvert replacements, tree removal, ditching, aggregate base and restoration. This was a joint project between Benton Township and the Cheboygan County Road Commission.

Inverness Trail: From Riggsville Road to Maxwell. Approximately 1 mile. Bituminous Overlay, Class II Shoulders, Centerline Painting and Edgeline Painting. This was a Inverness Township project with Cheboygan County Road Commission contributing engineering costs, time and labor for placement of the shoulders.

South River Road: From M-33 to Galbraith. Approximately 1 mile. Bituminous Overlay and Class II Shoulders. This was a Benton Township project with Cheboygan County Road Commission contributing engineering costs, time and labor for placement of the shoulders.

Galbraith: From M-33 to Lindburgh Lane. Approximately 1.5 miles. Bituminous Overlay and Class II Shoulders. This was a Benton Township project with Cheboygan County Road Commission contributing engineering costs, time and labor for placement of the shoulders.

Witt Street: From Barbara Street to Burchfield Street. Approximately 600'. Bituminous Surfacing and Shoulders. This was a Tuscarora Township project.

Barbara Street: From Ken's Village Market to Witt Street. Approximately 400'. Bituminous Overlay and Shoulders. This was a Tuscarora Township project.

Lake and Juno Street: Near Post Office. Approximately 575'. Bituminous Overlay and Shoulders. This was a Tuscarora Township project with Cheboygan County Road Commission contributing engineering costs, time and labor for placement of the shoulders.

Stimpson Road: Off US-23. Approximately 600'. Bituminous Surface Overlay. This was a Mackinaw Township project with Cheboygan County Road Commission contributing engineering costs, time and labor for placement of the shoulders.

Molineaux Road: From Afton Road to Lance Lake Road. Approximately 3 miles. Bituminous Overlay, Class II Shoulders and Centerline Painting. This was a Nunda Township project with Cheboygan County Road Commission contributing engineering costs, time and labor for placement of the shoulders.

There was 5.5 miles of Local Road Chipseal.

## 2002

N. Old Mackinaw Road: Just E. of Nipigon Road. Structure removal and replacement, riprap and restoration. Local Maintenance Funds.

N. Old Mackinaw Road: Ditching from Nipigon Road west. Local Maintenance Funds.

Bennett Road: From existing asphalt to Mullett-Dump Road. Road reconstruction, culverts, aggregate base correction, bituminous paving, bituminous rolled curb, aggregate shoulders and centerline and edgeline painting. Mullett Township Project.

Bunker Road: From S. Straits Highway West approx. 1320'. Road reconstruction, realignment, ditching, culverts, aggregate base and paving, gravel shoulders and centerline painting. Joint project between Tuscarora Township, Road Commission and Burt Lake Marina.

Lakeway/Northview: Road reconstruction, sand fill, road realignments, culverts, ditching, riprap, and restoration. Wildwood Lake Association Project.

Lynn Drive Bridge: Bridge deck replacement, restoration, bank stabilization, guardrail and bituminous paving. Joint project with Koehler Township and the Road Commission. (Special Thanks to Mr. Wang for allowing local traffic to use his property for a back entrance)

LaHaie Road: From Cheboygan City Limits to 350' of existing asphalt. Trenching and shoulder widening, sand lift, ditching, aggregate base and bituminous paving and widening and gravel shoulders. Beaugrand Township Project with the Road Commission.

Inverness Trail Rd.: From Campbell Road to Old Mackinaw Road. Shoulder widening and bituminous widening and paving and gravel shoulders. Beaugrand Township Project with the Road Commission.

N. Old Mackinaw Road: Bituminous overlay and aggregate shoulders. Mackinaw Township Project with the Road Commission.

John Werner Drive: From S. River Road to the end. Bituminous paving and gravel shoulders. Benton Township Project and the Road Commission.

There was 6.3 miles of Local Road Chipseal.

## 2003

Scott Road Bridge: Critical Bridge Replacement Project. 95% Critical Bridge Funds and 5% Local Funds.

Clute Road Bridge: Replaced culverts with a timber bridge structure. This project was done in cooperation with the National Fish and Wildlife, Huron Pines RC&D, US Forest Service, MDNR, MDEQ, Pigeon River Advisory Council and the Road Commission.

Wartella, Upper Mograin & Orchard Road: Approximately 2.75 miles. Clearing, ditching, subbase corrections, aggregate base, restoration and bituminous paving. Benton Township Project with the Road Commission.

Carey Road: Approximately 4600'. Clearing, ditching, culvert replacements, subgrade undercutting, sand subbase, aggregate base and restoration. Paving to be done in 2004. Benton Township Project with the Road Commission

Maynard Road: Approximately 4990'. Trenching, widening, aggregate base and bituminous overly. Inverness Township Project with the Road Commission.

Woiderski Road: Approximately 1.2 miles. Trenching, widening, aggregate base with bituminous overlay. Inverness Township and Beaugrand Township Project with the Road Commission.

Mullett Lake Road: Hazardous Mitigation Project. Slope restoration with riprap, geotextile fabric, seed & mulch. 80% State Funds and 20% Road Commission Funds.

Provo Road: Approximately 250'. Aggregate base conditioning and bituminous paving. Inverness Township Project with the Road Commission.

E & W Parkway: Approximately 2300'. Geotextile seperator, aggregate base and bituminous paving. Special Assessment Project.

There was 11.1 Miles of Local Road Chipseal.

## 2004

Valley Drive: Approximately 1.1 miles of road reconstruction including ditching, tree removal, drainage, aggregate base, alignment corrections, restoration and hot mix asphalt paving. Special Assessment Project for Nunda Township.

Slade Road: Bridge removal and placement of large structure, related approach work, riprap, restoration and guardrail. County Local Funds.

Molineaux Road: 0.13 mile of reconstruction including earth excavation, subbase, aggregate base, drainage improvements, hot mix asphalt surfacing, pavement markings and restoration. 80% Safety Grant Funds and 20% Nunda Township Funds.

Kisser Road Bridge: Bridge replacement and related approach work. 95% Critical Bridge Funds and 5% County Local Funds.

Webb Road Bridge: Placement of a temporary bridge. County Local Maintenance Funds

Wartella Road Paving: One mile of hot mix asphalt paving and aggregate shoulders. Benton Township Project with the Road Commission

Carey Road Paving: Approximately  $\frac{3}{4}$  mile of hot mix asphalt paving and aggregate shoulders. Benton Township Project with Road Commission.

Maxwell Road: Approximately  $\frac{1}{2}$  mile of bituminous asphalt crush and shape, hot mix asphalt paving and aggregate shoulders. Inverness Township Project with Road Commission.

There was approximately 20 miles of local road chipseal.

## 2005

Rondo Road: Subgrade undercutting, sand subbase, aggregate base, bituminous crushing, curb and gutter, guardrail, riprap, bituminous spillways, bituminous curb, culvert replacements, hotmix asphalt paving, aggregate shoulders, aggregate approaches, guardrail and restoration. Enhancement Funds, Ellis Township Funds, Mentor Township Funds, Cheboygan County Road Commission Funds.

Shire Road Bridge: Bridge Replacement, sand subbase, aggregate base, guardrail, riprap, sodding, restoration and curb and gutter. 95% Critical Bridge Funds and 5% County Local Funds.

Numbers Road: Reconstruction including sand subbase, aggregate base, ditching, tree removal, culverts, restoration and hot mix asphalt paving. 100% Mullett Township Funds.

Long Lake Road: Reconstruction including, subgrade undercutting, sand subbase, aggregate base, aggregate approaches, ditching, culverts and restoration. 100% Aloha Township Funds.

Rotter Road: Aggregate base, ditching and hot mix asphalt paving. 100% Tuscarora Township Funds.

There was approximately 12.28 miles of local road chipseal.

## 2006

Crump Road: Clearing, sand subbase, aggregate base, ditching, drainage corrections and resoration. Burt Township and Cheboygan County Road Commission Funds.

Indian Road: Clearing, subgrade undercutting, sand subbase, ditching, aggregate base, drainage corrections and restoration. 100% Burt Township

Lakeview Drive: Clearing, sand subbase, aggregate base, ditching, drainage corrections, culverts, subgrade undercutting, vertical and horizontal alignment corrections and restoration. Nunda Township Special Assessment Funds and Cheboygan County Road Commission Funds.

Webb Road Bridge: Bridge replacement and related approach work to include: Clearing, subgrade undercutting, embankment, sand subbase, aggregate base, guardrail, restoration and HMA paving. 95% Critical Bridge Funds and 5% Cheboygan County Road Commission.

South Street: Aggregate base, grading and HMA paving. 100% Mullett Township

Church Road: Bituminous base crushing and shaping, aggregate base conditioning, HMA paving and Class II shoulders. 100% Inverness Township

Knight Road: Culvert realignment and replacement and restoration. U.S. Fish and Wildlife and Cheboygan County Road Commission combined funds.

There was approximately 5 miles of local road chipseal.

## 2007

Lakeview Drive: Subbase correction, ditching, clearing, culverts, aggregate base, restoration and HMA paving. Nunda Township Special Assessment Funds and Road Commission Funds.

Eaglesnest Road: Bituminous base crushing and shaping, aggregate base correction, HMA paving and CI II shoulders. Burt Township Funds

Numbers Road: Hot mix asphalt overlay. Mullett Township Funds

Beason Street: Hot mix overlay and paved ditch. Mullett Township Funds

Inverness Trail Road: Bituminous base crushing & shaping, curb & gutter, HMA paving and CI II shoulders. Beaugrand Township Funds.

Hebron Mail Route: Road reconstruction including clearing, ditching and aggregate base. Mackinaw Township funds.

Lance Lake Road: Intersection reconstruction to include new super elevated curve, sand subbase, ditching, aggregate base, clearing, new drainage culverts, curb & gutter, fence work, restoration and HMA paving. Safety Grant Funds, Nunda Township Funds and local participation.

Tin Bridge: Bridge replacement. Replaced existing 3-ton limit bridge with a new timber structure. Critical Bridge Funds 95%. Cheboygan County Road Commission Funds 5%

2007 cont'd

Taylor Road: Hot mix asphalt. Grant Township Funds

Kisser Road: Culvert replacement and bank stabilization. US Fish & Wildlife Funds

Peters Road & Silver Lake Intersection: Intersection reconstruction and approximately 1500' of reconstruction including sand subbase, aggregate base, ditching, drainage correction and restoration. Wilmot Township Funds.

Lakeway: Guardrail placement over dam. Nunda Township Funds.

Bennett Road: Mullett Dump Road to Mullett-Burt Road. Reconstruction including sand subbase, ditching, culverts, aggregate base, clearing, intersection alignment and restoration. Mullett Township Funds.

There was 7.98 miles of Local Road Chipseal.

There was 19.02 miles of Centerline Paint.

There was 11.32 miles of Edgeline Paint.

There was 4.90 miles of Fog seal.

2008

McEachron Bridge: Bridge removal and replacement along with related approach work, hot mix asphalt and guardrail. Critical Bridge Funds and Local Match.

Chemin DeLa Montagne: Road reconstruction, aggregate base, drainage and slope restoration. Nunda Township Funds

Avenue DuChalet: Road reconstruction, aggregate base, drainage and slope restoration. Nunda Township Funds.

Oxbow Creek: Culvert removal and replacement along with related approach work and restoration. U.S. Fish and Wildlife Funds and Local Match.

Middle Shire Road: Road reconstruction, culvert removal and replacement, drainage, aggregate base and slope restoration. Wilmot Township Funds

Scott Road: Aggregate base, grading and hot mix asphalt. Ellis Township Funds.

Pigeon River Road: Subbase undercut, sand subbase, aggregate base, drainage and slope restoration. Ellis Township Funds

Shore Drive, Stabler Drive and Coulson Drive: Bituminous base crush and shape, hot mix asphalt, Class II shoulders. Beaugrand Township Funds.

Prospect Street: Subbase undercut, sand subbase, aggregate base, hot mix asphalt, concrete curb and gutter and restoration. Tuscarora Township Funds

2008 Cont'd

Bennett Road: Aggregate base conditioning, hot mix asphalt, curb and gutter, class II shoulders. Mullett Township Funds

High Pine Court: Ditching, aggregate base, drainage and slope restoration. Nunda Township Funds

Hebron Mail Rte: Ditching, drainage, aggregate base and slope restoration. Mackinaw Township Funds.

Crump Road: Aggregate base conditioning, concrete curb and gutter, hot mix asphalt and Class II shoulders. Burt Township Funds

Indian Road: Aggregate base conditioning, concrete curb and gutter, hot mix asphalt and Class II shoulders. Burt Township Funds

Long Lake Road: Road reconstruction, aggregate base, geotextile blanket, drainage, and slope restoration. Aloha Township Funds

McEachron Bridge: Bridge replacement, subgrade undercut, sand subbase, aggregate base, guardrail, HMA paving and restoration. Critical Bridge Program Funds and Road Commission Funds

There was 2.84 miles of Centerline Paint.

There was 2.53 miles of Sealcoat.

2009

Hebron Mail Route: Roadway grading and shaping, HMA paving and Class II Shoulders. Mackinaw Township Funds (0.31).

Pigeon River Road: Road reconstruction, aggregate base, ditching, drainage, slope restoration. Double seal and fog seal. Ellis Township Funds and Road Commission Funds (0.65).

Silver Lake Road: Double seal and fog seal. Wilmot Township Funds and Road Commission Funds (0.63).

Friendly Drive: Guardrail placement. MDOT Safety Program Funds and Wilmot Township Funds (0.46).

Woiderski Road: Guardrail placement. MDOT Safety Program Funds, Beaugrand Township and Inverness Township Funds (0.19).

Shire Road: Roadway grading and shaping, double seal and fog seal. Wilmot Township Funds and Road Commission Funds (0.81).

Tucker Road: Road reconstruction, subbase undercut, drainage, geotextile fabric, sand subbase, aggregate base and ditching. Forest Township Funds (.14)

South Extension Road: Clearing, widening, ditching, drainage improvements, aggregate base, aggregate approaches and restoration. Mullett Township Funds and Burt Township Funds (0.31)

Quail Trail: Clearing and grubbing. Mullett Township Funds (0.70)

There was 2.8 miles of centerline and edgeline painting.

## 2010

Freeway Trail Bridge: Place a temporary bridge over existing bridge, slope restoration and riprap. Nunda Township Funds.

South Extension Road N. of Ranch Rd.: Reconstruction approximately 1500' to include, realignment, clearing, ditching, culverts, widening, aggregate base and slope restoration. Mullett Township Funds (0.29).

Webber Road: Removed existing culvert within the Nelson Creek and replaced with an elliptical culvert, realignment, sand subbase, aggregate base, flatten slopes, placed topsoil, seed and mulch. U.S. Fish and Wildlife, NRCS Dept., and Cheboygan County Road Commission.

Webber Road: Removed existing culverts within the McIntosh Creek and replaced with an elliptical culvert, realignment, sand subbase, aggregate base, flatten slopes, placed topsoil, seed and mulch. U.S. Fish and Wildlife, NRCS Dept., and Cheboygan County Road Commission.

Newton/Columbus Street: Reconstructed streets, placed storm sewers, catch basins and manholes. Widened existing roadway, aggregate base, curb & gutter, rolled bit. curb, HMA paving, spillways and riprap. Mullett Township Funds. (0.25)

## 2011

Railroad Bridge over River Street: Removed railroad bridge at River Street, river street grade change, DNR trail horizontal alignment change, clearing, drainage corrections, slope restoration. Tuscarora Township Funds

Webb Road Bridge over Pigeon River: Bridge removal and replacement, approach work, creek realignment, vertical alignment corrections, concrete curb, guardrail, slope restoration and riprap. Critical Bridge Funds and Cheboygan County Road Commission Funds.

South River Road Guardrail Safety Project: Super elevation corrections in curves and guardrail placement. Safety Funds and Benton Township Funds.

Webb Road from Molineaux to Congdon: Vertical curve correction, earth excavation, slope corrections, drainage corrections, aggregate base, ditching and slope restoration. Nunda Township Funds

Brudy Road: Vertical and horizontal corrections, earth excavation, drainage corrections, slope corrections, aggregate base, ditching and slope restoration. Ellis Township Funds.

Mullett Lake Woods Shore Drive: Resurfaced with HMA 13A. Benton and Aloha Township Funds.

Mullett Lake Woods Road: Pulverized and resurfaced with HMA 13A. Benton Township Funds.

Wallick Road: Aggregate base conditioning. Mackinaw Township Funds.

Inverness Trail Road, Maxwell Road to Woiderski: Trenched, widened, pulverized and resurfaced with HMA 13A. Aggregate shoulders, curb and gutter and pavement marking. Inverness Township Funds.

Numbers Road: Pulverized, widened and resurfaced with HMA 13A. Class II shoulders, curb and gutter and pavement marking. Burt Township Funds.

2011 cont'd

Fisherwoods Road: Pulverized and resurfaced with HMA 13A, curb and gutter and Class II shoulders. Tuscarora Township Funds.

Hemlock Street: Pulverized and resurfaced with HMA 13A and rolled bituminous curb. Tuscarora Township Funds.

## 2012

Service Road: Reconstructed road including tree removal, ditching, drainage work, aggregate course, super elevation corrections and restoration. 1.25 Miles; Burt Township Funds

Ellinger Road: Bituminous base crush and shape, drainage corrections, aggregate base, hma paving and class II shoulders. 1.20 Miles; Tuscarora Special Assessment Funds.

Apple Blossom: Bituminous base crush and shape, aggregate base, curb and gutter and hma paving. 0.22 Mile; Tuscarora Special Assessment Funds.

South Extension: North of Numbers Road. Reconstruction to include, tree removal, drainage corrections, widening, aggregate base and restoration. 0.27 Mile; Mullett Township Funds.

South Extension: Between Topinabee Mail Route and Mullett-Burt Road. Aggregate course was added. Mullett Township and Burt Township Funds.

Little Canada Road: Aggregate course was added. Aloha Township Funds.

Edgewater Beach and Carlin Sub Road: Curb and gutter, US-23 turn lane construction and an overlay of 1½". 0.51 Mile; Mackinaw Township Special Assessment.

River Street: East of existing railroad. Aggregate base, hma paving and class II shoulders. .06 Mile; Funds from the residents on River Street.

Bowen Road: North of M-68. Reconstruction to include: clearing, drainage corrections, culvert removal and installation, riprap, sand subbase, geotextile fabric, aggregate base, concrete curb and gutter, hma paving, class II shoulders and restoration. 0.38 Mile; Funds from the U.S. Fish and Wildlife, Forest Township and Tom Moran.

## 2013

Brudy Road: From Dunham Road south paved 4830' x 22' and painted pavement markings. Also regraded and paved from Dunham Road north 4950' x 22' and also painted pavement markings. Ellis Township Funds. (1.86 Miles)

Lance Lake Road from Molineaux Road to Lakeview Drive. Placed aggregate base on gravel portion from Pine Court to Lakeview and placed new hot mix asphalt and pavement markings. Bituminous base crush and shape on Lance Lake Road from Molineaux to Pine Court (excluding the newly constructed curve near Rose Lane), then placed hot mix asphalt, also put down pavement markings. Nunda Township Funds. (.86 Mile)

Service Road: Placed aggregate base, graded and paved 6,575' x 30'. Also placed curb and gutter, slope restoration and pavement markings. Burt Township Funds. (1.25 Miles)

Straitsview Drive: Reconstructed with new drainage structures, aggregate base, restoration and hma paving 1355' x 24'. Benton Township Funds. (.26 Mile)

Cordwood Shores: Reconstructed with ditching, new drainage culverts, aggregate base, slope restoration and paving 3,075' x 24'. Benton Township Funds (.59 Mile)

Wallick Road: Grading, Drainage Corrections, Aggregate Surface Course, 1050' x 26'. Mackinaw Township Funds. (.20 Mile)

White Cedar Road: Ditching, grade corrections and aggregate base for 700' off of M-33. Aloha Township Funds. (.14 Mile)

## 2014

Walker Road: Replaced culvert at Gokee Creek. U.S. Fish and Wildlife Funds and Road Commission Funds.

Osmun Road: Replace culvert at Gokee Creek. U.S. Fish and Wildlife Funds and Road Commission Funds.

Old Sturgeon Road: Reconstructed with aggregate base, clearing, ditching, culverts and restoration. McEachron Road north to West Branch of the Sturgeon. 1890' x 30'. Wilmot Township Funds. (0.36 Mile)

Allen Creek Road: Reconstructed with aggregate base, clearing, ditching, culverts and restoration. South Straits Highway to Old Sturgeon Road. 800' x 30'. Wilmot Township Funds. (0.16 Mile)

Wallick Road: HMA hard surfacing. 1,050' x 22'. Mackinaw Township Funds. (0.20 Mile)

Woodruff Street: Removed and replaced new launch ramp. Subbase undercut, sand subbase, aggregate base, riprap and restoration. (Paving in spring 2015) Mullett Township Funds. (6,907 Sft)

Stoney Creek Road: Reconstructed with subbase undercut, sand subbase, trenching, aggregate base, ditching, culverts, clearing and restoration. 690' x 24'. Koehler Township Funds. (0.13 Mile)

## **2015 Local**

**Webb Road:** Project Included new Aggregate Base added to previously build road, 2 inch 26 foot wide HMA Surface, HMA Approaches, Shoulder Gravel, and Pavement Marking. Nunda Township Funds (0.52 mile)

**Molineaux Road:** Project included 2 Cross Culvert replacement, 150' of Sub-base Undercutting, 1.5 inch HMA overlay, HMA Approaches, Shoulder Gravel and Pavement Markings. Nunda Township Funds (3.0 mile)

**Woodruff Street/Mullett Lake Access:** Project Included Moving of Utilities, Site Grading, Aggregate Base, 2" HMA Surface. Project ongoing from 2014. Mullett Township Funds.

**Birchwood Road:** Project Included 6" added Aggregate to existing road surface. Burt Township Funds (1.55 mile)

**Inverness Trail Road:** Project Included Ditching and 6 inches of Aggregate to existing surface. Inverness Township Funds. (0.25 mile)

**Eagles Nest Road:** Crushed existing HMA surface back to gravel. Road Commission Funds (1.40 mile)

**Wildwood Road:** Culvert replacement at Berry Creek. Road Commission Funds

**Freeman Road:** Culvert replacement at Berry Creek. U.S. Fish and Wildlife & Road Commission Funds

## **2016 LOCAL**

**Eagles Nest Road:** Project Included new Aggregate Base added to previously HMA Base crushed road bed, 2 inch by 28 foot wide HMA Surface, HMA Approaches, Shoulder Gravel, and Pavement Marking. Tuscarora Township Funds. (1.40 mile)

**Long Lake Road:** 2400' of undercutting, Geo-textile Stabilization fabric, 12" of new sand, 6" of new aggregate, Ditch Cleanout. Aloha Township Funds. (0.48 mile)

**Old Mackinaw Road:** Project included Base Crush & Shape, new Aggregate Base added, Driveway Culvert replacement, Cross Culvert replacement, Ditch Cleanout, 2 inch by 24 foot wide HMA Surface w/ paved shoulders , HMA Approaches, Aggregate Shoulders, Slope Restoration and Pavement Markings. Beaugrand Township Funds. (0.88 mile)

**Silver Strand Road:** Project Included 6" added Aggregate to Existing road surface. Munro Township Funds. (1.49 mile)

**Hiawatha Beach Drive:** Project Included 3" added Aggregate to Existing road surface. Mullett Township Funds. (0.25 mile)

**Brutus Road & Indian Point Road:** Project Included 6" added Aggregate to Existing road surface. Burt Township Funds. (1.10 mile)

**Owens Road:** Culvert replacement at Owens Creek. Road Commission Funds and Huron Pines.

**Clarks Bridge Road:** Culvert replacement at Little McMasters Creek. Road Commission Funds and Huron Pines.

**Hebron Townhall Road:** Culvert Placement at flooded area. Hebron Township Funds.

## **2017 LOCAL**

**Indian Point & Brutus Road:** Township Project Included new Aggregate Base, Cross Culvert replacement, drainage correction, concrete curbing at intersections, 2 inch by 20 foot wide HMA Surface, HMA Approaches, Grass Shoulders, Restoration and Pavement Marking. West Burt Lake Road south 7400'. Burt Township Funds and Cheboygan County Road Commission matching funds. (1.5 mile)

**Stoney Creek Road:** Township Project Included new Aggregate Base, Cross Culvert replacement, drainage correction, concrete curbing at intersections, 2 inch by 20 foot wide HMA Surface, HMA Approaches, Aggregate Shoulders, and Pavement Marking. M-33 east 600'. Koehler Township Funds and Cheboygan County Road Commission matching funds. (600 feet)

**Canton Road:** Township Project Included Removal of existing Aggregate Base, Aggregate Base Stabilization with Fabric & Geogrid, new Aggregate Base, Cross Culvert replacement, drainage correction, 2 inch by 20 foot wide HMA Surface, HMA Approaches, Grass Shoulders, Restoration and Pavement Marking. North of South River Road. Benton Township Funds and Cheboygan County Road Commission matching funds. (0.95 mile)

**West Black Lane:** Township Project Included Removal of existing Aggregate Base, Aggregate Base Stabilization with Fabric & Geo-grid, new Aggregate Base, Cross Culvert replacement, drainage correction, 2 inch by 20 foot wide HMA Surface, HMA Approaches, Grass Shoulders, Restoration and Pavement Marking. West of Canton Road. Benton Township Funds and Cheboygan County Road Commission matching funds. (0.35 mile)

**Shire Road:** Township Project Included new Aggregate Base, Cross Culvert replacement, drainage correction, 2 inch by 20 foot wide HMA Surface, HMA Approaches, Aggregate Shoulders, Restoration and Pavement Marking. North of the Sturgeon River 1540'. Wilmot Township Funds and Cheboygan County Road Commission matching funds. (0.3 mile)

**Dodge Point:** Township Project included 2 inch HMA overlay, HMA Approaches, Restoration and Pavement Markings. Loop between Mullett Lake Road in the Village of Mullett Lake. Inverness Township Funds and Cheboygan County Road Commission matching funds. (0.23 mile)

**Laperall Road:** Township Project included new Aggregate Base added, 2550' of Subbase Undercutting, Stabilization Fabric, Culvert Replacement, Drainage Correction, and Restoration. Between Townline Road and Snowmobile Trail.. Inverness Township Funds and Cheboygan County Road Commission matching funds. (0.67 mile)

**Wurm Road:** Township Project included new Aggregate Base added, 650' of Geogrid, Culvert Replacement, Drainage Correction, Restoration. Between Lakeway Drive and Maple Glenn. Nunda Township Funds and Cheboygan County Road Commission matching funds. (0.68 mile)

**continued to next page.....**

## **2017 LOCAL continued**

**Mullett Lake Road:** Safety Project included Base Crush & Shape, new Aggregate Base added, Cross Culvert Replacement, Drainage Correction w/ Drainage Structure, 3 inch by 24 foot wide HMA Surface w/ Paved Shoulders , HMA Approaches, Grass Shoulders, New Guardrail, Slope Restoration and Pavement Markings. Between Dodge Point and Mullett Lake, in the Village of Mullett Lake. HSIP and Federal Funds. (1050 feet)

**Carter Road:** Safety Project included 875' new guardrail in at a stream crossing and large fill section, between South River Road and Canal Drive. HSIP and Federal Funds.

**West Brady Road:** Safety Project included 933' new guardrail in at Milligan Creek and large fill section, 200' west of Brady Road and West Brady Road and Waveland Road intersection. HSIP and Federal Funds.

**Waveland Road:** Safety Project included 825' new guardrail in at Milligan Creek and large fill section, 300' south of Brady Road and West Brady Road and Waveland Road intersection. HSIP and Federal Funds.

**Alan Creek Road and Old Sturgeon Road:** Township Project included a Chip Seal and Pavement Markings. Wilmot Township Funds and Cheboygan County Road Commission matching funds. (0.53 mile)

**Brudy Road and Rondo Road:** Township Project included a Chip Seal and Pavement Markings. Ellis Township Funds and Cheboygan County Road Commission matching funds. (1.95 mile)

**Hatch Road:** Township Project Bridge replacement to a bottomless Aluminum Structural Plate Arch at Little Sturgeon River. Ellis Township Funds and Cheboygan County Road Commission matching funds.

**Indian Trail Road:** Culvert replacement at Mullett Creek Tributary. Road Commission Funds and Huron Pines.

**Indian Trail Road:** Culvert replacement at Mullett Creek. Road Commission Funds and Huron Pines.

**Crump Road:** Culvert replacement at Mullett Creek. Road Commission Funds and Huron Pines.

**Budzinski Road:** Culvert replacement at Mullett Creek. Road Commission Funds and Huron Pines.

**Cope Road:** Culvert replacement at Sturgis Creek. Road Commission Funds and Huron Pines.

## **2018 LOCAL**

**Wing Road:** Township Project included Ultrathin overlay, Shoulder Gravel and Pavement Markings. Indian Trail Road to Laperall Road. Inverness Township Funds and Cheboygan County Road Commission matching funds. (0.47 mile)

**Twin School Road:** Township Project included Base Crush & Shape, 2 inch by 24 foot wide HMA Surface w/ Paved Shoulders , HMA Approaches, Aggregate Shoulders, and Pavement Markings. Barclay Road to Kleber Road. Waverly Township Funds and Cheboygan County Road Commission matching funds. (0.98 mile)

**Shire Road:** Township Project Included new Aggregate Base, Cross Culvert replacement, drainage correction, 2 inch by 24 foot wide HMA Surface, Aggregate Shoulders, Restoration and Pavement Marking. S. Straits Hwy to Otsego Road. Wilmot Township Funds and Cheboygan County Road Commission matching funds. (0.28 mile)

**Shire Road:** Township Project Included new Aggregate Base, Cross Culvert replacement, drainage correction, 2 inch by 24 foot wide HMA Surface, Aggregate Shoulders, Restoration and Pavement Marking. 2100' south of S. Straits Hwy, then continuing 1325'. Wilmot Township Funds and Cheboygan County Road Commission matching funds. (0.25 mile)

**Baker Road:** Township Project included machine grade existing surface, installed Geo-textile fabric, 12" sand sub-base, 6" aggregate surface and Restoration. Starting 1400' east of M-33, then continuing 1200'. Aloha Township Funds and Cheboygan County Road Commission matching funds. (0.23 mile)

**Little Canada Road:** Township Project included excavating existing road, installing Geo-textile fabric, 12" sand sub-base, 6" aggregate surface and Restoration. Starting 1100' north of Baker Road, then continuing 2450'. Aloha Township Funds and Cheboygan County Road Commission matching funds. (0.46 mile)

**Webb Road:** Township Project included drainage improvements, machine grade existing road surface, installed Geo-textile fabric, 12" sand sub-base, 6" aggregate surface and Restoration. 1175' east of Square Trail, then continuing 725'. Nunda Township Funds and Cheboygan County Road Commission matching funds. (0.14 mile)

**Temple Road:** Township Project Included Base Crush & Shape, Aggregate Base Stabilization with Fabric & Geo-grid, new Aggregate Base, Cross Culvert replacement, drainage correction, 2 inch by 24 foot wide HMA Surface, HMA Approaches, Gravel and Grass Shoulders, Restoration and Pavement Marking. East Mullett Lake Road north & west direction, 5500' to end of road. Koehler Township Road Millage Funds and Cheboygan County Road Commission matching funds. (1.04 mile)

**Tuscarora Intersection Curbing:** Township Project Included installing Concrete Curbing in one quadrant of 5 different intersections on the back streets of Indian River. Installed Concrete Curbing, new Aggregate Base, HMA surface and restoration. Tuscarora Township Funds and Cheboygan County Road Commission matching funds.

**County Line Road:** Township Project Included 4" added Aggregate to existing road surface. Waverly Township Funds and Cheboygan County Road Commission matching funds. (0.45 mile)

**Ingleside Road:** Township Project Included 4" added Aggregate to existing road surface. Munro Township Funds and Cheboygan County Road Commission matching funds. (0.33 mile)

**Brill Road:** Township Project Included 4" added Aggregate to existing road surface. Munro Township Funds and Cheboygan County Road Commission matching funds. (0.45 mile)

**Crump Road:** Paving over 2017 Culvert replacement at Mullett Creek. Aggregate Base, drainage improvement, 2 inch by 24 foot HMA Surface and Restoration. Koviak Road then north 800'. Cheboygan County Road Commission Funds and Huron Pines.

**Waveland Road:** Local Project Twin 6' culvert replacement to a bottomless Aluminum Structural Plate Arch at Milligan Creek. Funded by Huron Pines and Cheboygan County Road Commission matching funds.

**West Brady Road:** Local Project Twin 6' culvert replacement to a bottomless Aluminum Structural Plate Arch at Milligan Creek. Funded by Huron Pines and Cheboygan County Road Commission matching funds.

### 2019 LOCAL

**Archarbo Street:** Township Project Included 4" added Aggregate to Existing road surface. Grant Township Funds and Cheboygan County Road Commission matching funds. (0.16 mile)

**Bilder Road:** Township Project Included 4" added Aggregate to existing road surface. Mentor Township Funds and Cheboygan County Road Commission matching funds. (0.83 mile)

**Long Lake Road:** Township Project included Shaping existing gravel surface, placing new Aggregate Base, Drainage Correction, 2 inch by 28 foot wide HMA Surface w/ Paved Shoulders, HMA Approaches, Restoration and Pavement Markings. State Highway M-33 to Existing Pavement. Aloha Township Funds and Cheboygan County Road Commission matching funds. (2.00 mile)

**Maxon Road:** Township Project included Base Crush & Shape, 2 inch by 24 foot wide HMA Surface w/ Paved Shoulders, HMA Approaches, Aggregate Shoulders, and Pavement Markings. Black River Road to UAW Gate (Stuarts Beach Road). Waverly Township Funds and Cheboygan County Road Commission matching funds. (0.74 mile)

**Mundt Road:** Township Project Included 4" added Aggregate to existing road surface. Burt Township Funds and Cheboygan County Road Commission matching funds. (0.46 mile)

**Needles Road:** Township Project Included 220 foot long 2 foot undercut, new sub-base on Geo-textile Stabilization fabric, 6 inch Aggregate Base, replace existing 2 inch HMA, HMA Curbing, HMA Spillways, 2 inch HMA Overlay, Shoulder gravel, Pavement Markings and restoration. Burt Township Funds and Cheboygan County Road Commission matching funds. (0.26 mile)

**Old Mackinaw Road:** 2" Structural HMA Overlay, Aggregate Shoulders, Slope Restoration and Pavement Markings. Cheboygan County Road Commission Funds. (0.88 mile)

**Peters Road:** Township Project Included 4" added Aggregate to Existing road surface, New Cross Culvert and Ditching. Wilmot Township Funds and Cheboygan County Road Commission matching funds. (0.75 mile)

**Poxson Road:** Township Project Included 4" added Aggregate to existing road surface. Burt Township Funds and Cheboygan County Road Commission matching funds. (0.54 mile)

**Stratford Lane:** Township Project Included, 2 inch HMA Overlay, Pavement Markings and restoration. Burt Township Funds and Cheboygan County Road Commission matching funds. (0.26 mile)