

# CITY OF CANFIELD

## 2021 PAVEMENT ASSESSMENT



**PREPARED BY:**



**MAY 2021**



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# 1.0 ROADWAY ASSESSMENT NARRATIVE

## 1.1 INTRODUCTION AND PURPOSE

At the request of the City of Canfield (City), ms consultants, inc. (ms) performed a visual inspection of all existing roadways within the City of Canfield in April 2021. The data was compiled and each street was then rated based on a modified version of the Ohio Department of Transportation Pavement Condition Rating formula. The intent of the assessment is to provide the City with a planning tool for future resurfacing projects and to identify the streets that are in need of repair and/or resurfacing.

## 1.2 ASSESSMENT METHODOLOGY

The Ohio Department of Transportation (ODOT) utilizes a Pavement Condition Rating form that assesses roadway conditions based on a multitude of pavement distresses. This form and rating system is primarily used on large scale highway and heavy traffic roadways throughout the State. ms modified the ODOT rating system to fit the primary needs of the City for this assessment. As part of the observation of each roadway, ms staff looked for the presence of the pavement distresses listed in the table on all City roadways. When ms staff encountered an area showing signs of one these deficiencies that item was then marked on the overall street rating assessment (see Appendix B). After assessing the road visually, ms staff then rated the road based on the extent and severity of all deficiencies encountered on the road. In addition to rating the pavement, all curbs throughout the City were rated based on their condition on a 1-3 scale with 3 being the worst condition.

Pavement Distress
Patching
Debonding/Potholes
Map Cracking
Base Failure
Transverse and Longitudinal Cracking
Wheel Track and Edge Cracking

To modify the ODOT rating system, ms assigned each distress a distress weight based on the methodology ODOT uses to rate each distress type. The combined distress weights for all of the deficiencies totals 100 points. Each distress was then given a weighted percentage based on the road's severity and extent.

Pavement Distress	Distress Weight	Severity Rating			Extent Rating					
		1- Good	2- Fair	3- Poor	9- Excellent	8- Good	7- Satisfactory	6- Fair	5- Poor	4- Significant
Patching	15	0.3	0.6	1	0.5	0.6	0.7	0.8	0.9	1
Debonding/ Potholes	15	0.4	0.8	1	0.5	0.6	0.7	0.8	0.9	1
Map Cracking	15	0.4	0.7	1	0.5	0.6	0.7	0.8	0.9	1
Base Failure	25	0.3	0.7	1	0.5	0.6	0.7	0.8	0.9	1
Transverse and Longitudinal Cracking	10	0.4	0.7	1	0.5	0.6	0.7	0.8	0.9	1
Wheel Track and Edge Cracking	20	0.4	0.7	1	0.5	0.6	0.7	0.8	0.9	1



To give a more detailed explanation of how **ms** arrived at the overall condition rating, the condition rating calculation for Overbrook Drive will be explained. The visual assessment of the roadway showed areas of Patching, Debonding/Potholes, Map Cracking, Transverse/Longitudinal Cracking, and Wheel Track/Edge Cracking on Overbrook.

Street	Patching Deduct	Debonding/Pothole Deduct	Map Cracking Deduct	Base Failure	Transverse/Longitudinal Cracking	Wheel Track/Edge Cracking
Overbrook	$15 \times 1 \times 0.9 = 13.5$	$15 \times 1 \times 0.9 = 13.5$	$15 \times 1 \times 0.9 = 13.5$	0	$10 \times 1 \times 0.9 = 9$	$20 \times 1 \times 0.9 = 18$
Overbrook Overall Condition Rating			$100 - 13.5 - 13.5 - 13.5 - 0 - 9 - 18 = 32.5$			

Once all of the data was inputted into the appropriate excel sheets, **ms** was able to come up with an overall condition rating for each street in the City. The data was then sorted and is available in Appendix A from the worst rated roads to the best. Generally speaking, the conditions of the road can be classified according to a rating conditions scale.

Rating Conditions Scale	
0-40	Significant
41-55	Poor
56-65	Fair
66-75	Satisfactory
76-90	Good
91-100	Excellent

### 1.3 ROAD CONDITIONS SUMMARY

The City of Canfield has always maintained their roads and been proactive in resurfacing. The results of the assessment, generally show that while there are a few roads that are in need of attention, the majority of the roads are in good condition. The average condition rating for the City's roads was 80. From a practical standpoint, many communities struggle to maintain their roads and would likely have a much lower average rating with more roads in need of immediate repair. The purpose of this assessment is to provide the City with a planning tool to make the most beneficial decisions for the future of its roadway transportation system. **ms** recommends performing a roadway assessment every three years to update and modify the road conditions.

## 2.0 PAVEMENT DISTRESS

### 2.1 PATCHING/DEBONDING AND POTHOLES

Patching is performed by the Public Works Department when potholes open up in the road. Potholes are caused when moisture penetrates the asphalt and is able to get down into the base material. The winter freeze-thaw cycle is when most potholes will surface throughout the City. The moisture will freeze, causing it to expand. When the moisture melts during a warmer cycle the road will then contract. This causes weakening of the asphalt, this combined with the wear and tear of traffic will open up the asphalt causing potholes. Typically, potholes are filled with either hot or cold mix. Hot mix is asphalt material, usually from an asphalt plant, that is installed in the pothole area. Usually the damaged material is removed and the hot mix is placed at a sufficient depth and compacted. This is usually a better long-term option. Typically, communities use cold mix material to patch roads. This is usually a short-term fix but is cheaper than the alternative hot mix.



### 2.2 MAP CRACKING



Map cracking, also known as alligator cracking, is caused by fatigue of the asphalt surface due to the repeated loading of the traffic. Typically, the cracking begins at the base of the asphalt surface and works its way up to the surface. Map cracking starts as a series of parallel, longitudinal cracking on the surface and progresses into map cracking as the parallel cracks begin to connect. Map cracking can later turn into potholes due to the underlying base issues that initially cause the map cracking to occur.

### 2.3 BASE FAILURE

Base failure occurs due to lateral movement in the pavements subgrade. A variety of issues could cause this including insufficient pavement thickness, inefficient asphalt compaction, or the infiltration of moisture. Typically, the repair for this is a full depth repair. For the purposes of this study, rutting was identified as a form of base failure.



## 2.4 TRANSVERSE AND LONGITUDINAL CRACKING

### 2.4.1 TRANSVERSE CRACKING



Transverse cracking is side-to-side cracking that runs perpendicular to the direction of the roadway. Typically, this is caused by settling or shifting of the base material or shrinkage of the asphalt layer due to low temperatures or asphalt binder hardening. These types of cracks are usually not related to the traffic load. The typical repair for these types of cracks is using crack sealing for small cracks (1/2" width or less) or milling and resurfacing the cracked

pavement layer with an asphalt overlay.

### 2.4.2 LONGITUDINAL CRACKING

Longitudinal cracks occur parallel to the direction of the roadway. This type of cracking is caused by a number of factors including poorly constructed joints, shrinkage of the asphalt layer, or cracks from an underlying layer reaching the surface. Much like transverse cracking, these cracks are typically not load related.



## 2.5 WHEEL TRACK AND EDGE CRACKING



Wheel track and edge cracking is cracking that occurs on the edge of the asphalt or within the typical wheel tracks. These types of cracks usually run parallel to the outer edge of the pavement and cracking is increased by continuous traffic loading. Edge cracking can be caused by weakened base or subgrade near the edge of the pavement. This type of cracking can lead to raveling, which means that the edge has broken off from the main asphalt road.



## APPENDIX A

### Overall Condition Assessment Ratings (0-100 Rating)

STREET	Patching Deduct	Debonding/Potholes Deduct	Map Cracking Deduct	Base Failure Deduct	Transverse/Long. Cracking Deduct	Wheel Track/Edge Cracking	Overall Condition Rating
Overbrook Drive	13.5	13.5	13.5		9	18	32.5
Sleepy Hollow Drive	13.5	13.5	13.5		9	18	32.5
Moreland Dr.	8.1	10.8	9.45	15.75	6.3	12.6	37
Holly Street	12	12	12		8	16	40
Willow Way	13.5		13.5		9	18	46
Greenmont Drive	12	12	12			16	48
Cross Street	13.5	13.5	13.5		9		50.5
Manor Hill Dr.	13.5	13.5	13.5		9		50.5
Millbrook St.	13.5	13.5	13.5		9		50.5
Oak Tree Drive	13.5	13.5	13.5		9		50.5
Preserve Blvd.	13.5	13.5	13.5		9		50.5
South Briarcliff	12		12		8	16	52
Bradford Drive	7.2		9.6	14	5.6	11.2	52.4
Hilltop Blvd. (N. Broad to Montridge)	7.2	9.6	8.4		5.6	11.2	58
Oak Street	7.2	9.6	8.4		5.6	11.2	58
Queens Court	7.2	9.6	8.4		5.6	11.2	58
Savannah Court	7.2	9.6	8.4		5.6	11.2	58
South Hillside Dr.	7.2	9.6	8.4		5.6	11.2	58
Camelot Ct.			13.5		9	18	59.5
West Regency			13.5		9	18	59.5
Colonial Dr.	6.3	8.4	7.35		4.9	9.8	63.25
Russo Avenue			12		8	16	64
Verdant Lane	13.5		13.5		9		64
Dartmouth Dr.	8.1	10.8	9.45		6.3		65.35
Montgomery Dr.	8.1	10.8	9.45		6.3		65.35
Carriage Hill Dr.	2.7	3.6	8.4		5.6	11.2	68.5
Callahan Road	7.2	9.6	8.4		5.6		69.2
Canterbury Ct.	7.2	9.6	8.4		5.6		69.2
Hickory Hollow Drive	7.2	9.6	8.4		5.6		69.2
Laurel Hill Lane	7.2	9.6	8.4		5.6		69.2
Morningsview Circle	7.2	9.6	8.4		5.6		69.2
Neff Ct.	7.2	9.6	8.4		5.6		69.2
Village Blvd.	7.2	9.6	8.4		5.6		69.2
Winona Ave.	7.2	9.6	8.4		5.6		69.2
Montridge Dr.	2.25		8.4	14	5.6		69.75
Chatsworth Lane			9.45		6.3	12.6	71.65
Cherry Hill Ct.			8.4	14	5.6		72
East Main St.	6.3	8.4	7.35		4.9		73.05



City of Canfield  
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Field Investigator: J. Marr

Date: 5/3/2021

STREET	Patching Deduct	Debonding/Potholes Deduct	Map Cracking Deduct	Base Failure Deduct	Transverse/Long. Cracking Deduct	Wheel Track/Edge Cracking	Overall Condition Rating
Lake Wobegon Dr.	6.3	8.4	7.35		4.9		73.05
Hood Drive		3.6	7.35		4.9	9.8	74.35
Gennaro Place			8.4		5.6	11.2	74.8
Lakeview Circle			8.4		5.6	11.2	74.8
Railroad Street			8.4		5.6	11.2	74.8
Skyline Ave.			8.4		5.6	11.2	74.8
Stratford Green			8.4		5.6	11.2	74.8
East Regency			13.5		9		77.5
Indian Lake Blvd.			7.35		4.9	9.8	77.95
Pine Valley Ct.			7.35		4.9	9.8	77.95
Topaz Circle	7.2		8.4		5.6		78.8
Fairground Blvd.		4.8	8.4		5.6		81.2
Timber Run Ct.	6.3		7.35		4.9		81.45
North Briarcliff	2.7		8.4		5.6		83.3
Elizabeth Place	3.6	4.8	4.8		3.2		83.6
Hilltop Blvd. (Talsman to Montridge)	3.15	4.2	4.2		2.8		85.65
Kirk Street	3.15	4.2	4.2		2.8		85.65
Meadow Ct.	3.15	4.2	4.2		2.8		85.65
Jade Circle			8.4		5.6		86
Kings Lane			8.4		5.6		86
Mallard Crossing			8.4		5.6		86
Oakmont Ct.			8.4		5.6		86
Pinecone Drive			8.4		5.6		86
Willowbend Dr.			8.4		5.6		86
Woodbury Court			8.4		5.6		86
Glenview Road			4.2		2.8	5.6	87.4
Barbcliff Lane			7.35		4.9		87.75
Coral Way			7.35		4.9		87.75
Lakhani Lane			7.35		4.9		87.75
Majestic Court			7.35		4.9		87.75
Tony Ann Place			7.35		4.9		87.75
Woodland Run	3.6		4.8		3.2		88.4
Alabaster Ave	3.15		4.2		2.8		89.85
Montgomery Ct.	2.7		3.6		2.4		91.3
Blueberry Hill					2.8	5.6	91.6

STREET	Patching Deduct	Debonding/Potholes Deduct	Map Cracking Deduct	Base Failure Deduct	Transverse/Long. Cracking Deduct	Wheel Track/Edge Cracking	Overall Condition Rating
Chapel Lane (Newer Section)					2.8	5.6	91.6
Fairview Avenue					2.4	4.8	92.8
Janet Dr.	2.25				4.9		92.85
Emerald Court			4.2		2.8		93
Lake Wobegon Ct.			4.2		2.8		93
Charleston Court			3.6		2.4		94
Herbert Road			3.6		2.4		94
Lisbon Street			3.6		2.4		94
Sandstone (Jade to Timber Run)			3.6		2.4		94
Timber Run Dr.			3.6		2.4		94
N. Broad St.	2.7				2.4		94.9
Fair Ave.						4	96
Wadsworth						4	96
Talsman Dr.			3.6				96.4
Newton Street					2.8		97.2
Court Street					2.4		97.6
Findlay Ave					2.4		97.6
S. Broad St.					2.4		97.6
Squires Court					2.4		97.6
West Main St.					2.4		97.6
Brookpark Drive (Park Royal to #203)					2		98
Maple Street					2		98
Oakview Crossing					2		98
Shadydale Dr.					2		98
Brookpark Drive (#203 to Cardinal)							100
Cardinal Dr.							100
Chapel Lane (Old Section)							100
Deertrail Dr.							100
Edwards Avenue							100
Garwood Drive							100
High Street							100
Neff Dr.							100
North Hillside							100
Northview Road							100
Sandstone (Timber Run to Timber Run)							100

City of Canfield  
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Field Investigator: J. Marr

Date: 5/3/2021

STREET	Patching Deduct	Debonding/Potholes Deduct	Map Cracking Deduct	Base Failure Deduct	Transverse/Long. Cracking Deduct	Wheel Track/Edge Cracking	Overall Condition Rating
Sawmill Run Drive							100
Scott Street							100
Southview Road							100
Stoneybrook Lane							100
White Oak Ct.							100



## APPENDIX B

### Overall Condition Assessment Ratings (Alphabetical)

STREET	Patching Deduct	Debonding/Potholes Deduct	Map Cracking Deduct	Base Failure Deduct	Transverse/Long. Cracking Deduct	Wheel Track/Edge Cracking	Overall Condition Rating
Alabaster Ave	3.15		4.2		2.8		89.85
Barbcliff Lane			7.35		4.9		87.75
Blueberry Hill					2.8	5.6	91.6
Bradford Drive	7.2		9.6	14	5.6	11.2	52.4
Brookpark Drive (#203 to Cardinal)							100
Brookpark Drive (Park Royal to #203)					2		98
Callahan Road	7.2	9.6	8.4		5.6		69.2
Camelot Ct.			13.5		9	18	59.5
Canterbury Ct.	7.2	9.6	8.4		5.6		69.2
Cardinal Dr.							100
Carriage Hill Dr.	2.7	3.6	8.4		5.6	11.2	68.5
Chapel Lane (Newer Section)					2.8	5.6	91.6
Chapel Lane (Old Section)							100
Charleston Court			3.6		2.4		94
Chatsworth Lane			9.45		6.3	12.6	71.65
Cherry Hill Ct.			8.4	14	5.6		72
Colonial Dr.	6.3	8.4	7.35		4.9	9.8	63.25
Coral Way			7.35		4.9		87.75
Court Street					2.4		97.6
Cross Street	13.5	13.5	13.5		9		50.5
Dartmouth Dr.	8.1	10.8	9.45		6.3		65.35
Deertrail Dr.							100
East Main St.	6.3	8.4	7.35		4.9		73.05
East Regency			13.5		9		77.5
Edwards Avenue							100
Elizabeth Place	3.6	4.8	4.8		3.2		83.6
Emerald Court			4.2		2.8		93
Fair Ave.						4	96
Fairground Blvd.		4.8	8.4		5.6		81.2
Fairview Avenue					2.4	4.8	92.8
Findlay Ave					2.4		97.6
Garwood Drive							100
Gennaro Place			8.4		5.6	11.2	74.8
Glenview Road			4.2		2.8	5.6	87.4
Greenmont Drive	12	12	12			16	48
Herbert Road			3.6		2.4		94
Hickory Hollow Drive	7.2	9.6	8.4		5.6		69.2
High Street							100

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STREET	Patching Deduct	Debonding/Potholes Deduct	Map Cracking Deduct	Base Failure Deduct	Transverse/Long. Cracking Deduct	Wheel Track/Edge Cracking	Overall Condition Rating
Hilltop Blvd. (N. Broad to Montridge)	7.2	9.6	8.4		5.6	11.2	58
Hilltop Blvd. (Talsman to Montridge)	3.15	4.2	4.2		2.8		85.65
Holly Street	12	12	12		8	16	40
Hood Drive		3.6	7.35		4.9	9.8	74.35
Indian Lake Blvd.			7.35		4.9	9.8	77.95
Jade Circle			8.4		5.6		86
Janet Dr.	2.25				4.9		92.85
Kings Lane			8.4		5.6		86
Kirk Street	3.15	4.2	4.2		2.8		85.65
Lake Wobegon Ct.			4.2		2.8		93
Lake Wobegon Dr.	6.3	8.4	7.35		4.9		73.05
Lakeview Circle			8.4		5.6	11.2	74.8
Lakhani Lane			7.35		4.9		87.75
Laurel Hill Lane	7.2	9.6	8.4		5.6		69.2
Lisbon Street			3.6		2.4		94
Majestic Court			7.35		4.9		87.75
Mallard Crossing			8.4		5.6		86
Manor Hill Dr.	13.5	13.5	13.5		9		50.5
Maple Street					2		98
Meadow Ct.	3.15	4.2	4.2		2.8		85.65
Millbrook St.	13.5	13.5	13.5		9		50.5
Montgomery Ct.	2.7		3.6		2.4		91.3
Montgomery Dr.	8.1	10.8	9.45		6.3		65.35
Montridge Dr.	2.25		8.4	14	5.6		69.75
Moreland Dr.	8.1	10.8	9.45	15.75	6.3	12.6	37
Morningsview Circle	7.2	9.6	8.4		5.6		69.2
N. Broad St.	2.7				2.4		94.9
Neff Ct.	7.2	9.6	8.4		5.6		69.2
Neff Dr.							100
Newton Street					2.8		97.2
North Briarcliff	2.7		8.4		5.6		83.3
North Hillside							100
Northview Road							100
Oak Street	7.2	9.6	8.4		5.6	11.2	58
Oak Tree Drive	13.5	13.5	13.5		9		50.5

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STREET	Patching Deduct	Debonding/Potholes Deduct	Map Cracking Deduct	Base Failure Deduct	Transverse/Long. Cracking Deduct	Wheel Track/Edge Cracking	Overall Condition Rating
Oakmont Ct.			8.4		5.6		86
Oakview Crossing					2		98
Overbrook Drive	13.5	13.5	13.5		9	18	32.5
Pine Valley Ct.			7.35		4.9	9.8	77.95
Pinecone Drive			8.4		5.6		86
Preserve Blvd.	13.5	13.5	13.5		9		50.5
Queens Court	7.2	9.6	8.4		5.6	11.2	58
Railroad Street			8.4		5.6	11.2	74.8
Russo Avenue			12		8	16	64
S. Broad St.					2.4		97.6
Sandstone (Jade to Timber Run)			3.6		2.4		94
Sandstone (Timber Run to Timber Run)							100
Savannah Court	7.2	9.6	8.4		5.6	11.2	58
Sawmill Run Drive							100
Scott Street							100
Shadydale Dr.					2		98
Skyline Ave.			8.4		5.6	11.2	74.8
Sleepy Hollow Drive	13.5	13.5	13.5		9	18	32.5
South Briarcliff	12		12		8	16	52
South Hillside Dr.	7.2	9.6	8.4		5.6	11.2	58
Southview Road							100
Squires Court					2.4		97.6
Stoneybrook Lane							100
Stratford Green			8.4		5.6	11.2	74.8
Talsman Dr.			3.6				96.4
Timber Run Ct.	6.3		7.35		4.9		81.45
Timber Run Dr.			3.6		2.4		94
Tony Ann Place			7.35		4.9		87.75
Topaz Circle	7.2		8.4		5.6		78.8
Verdant Lane	13.5		13.5		9		64
Village Blvd.	7.2	9.6	8.4		5.6		69.2
Wadsworth						4	96
West Main St.					2.4		97.6
West Regency			13.5		9	18	59.5
White Oak Ct.							100

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STREET	Patching Deduct	Debonding/Potholes Deduct	Map Cracking Deduct	Base Failure Deduct	Transverse/Long. Cracking Deduct	Wheel Track/Edge Cracking	Overall Condition Rating
Willow Way	13.5		13.5		9	18	46
Willowbend Dr.			8.4		5.6		86
Winona Ave.	7.2	9.6	8.4		5.6		69.2
Woodbury Court			8.4		5.6		86
Woodland Run	3.6		4.8		3.2		88.4





## APPENDIX C

### Detailed Roadway Assessment

City of Canfield: 2021 Pavement Assessment

ms consultants, inc.  
Field Investigator: J. Marr

Project Number: 61-20596-00  
Date: 5/3/2021



STREET	Patching	Debonding/ Potholes	Map Cracking	Base Failure	Transverse/ Longitudinal Cracking	Wheel Track or Edge Cracking	Curb Only	Curb and Gutter	Low Curb Reveal	Curb- Condition Rating	Pavement Severity- Condition Rating 1	Pavement Extent- Condition Rating 2	Remarks
Alabaster Ave	X		X		X			X		1	1	7	Minor cracking thru out, patching at inlet at Cul De Sac
Barbcliff Lane			X		X			X		1	2	7	Isolated areas map and longitudinal cracking, Curb & Gutter repair needed at hse #546
Blueberry Hill					X	X	X	X		2	1	7	Resurfaced in 2015, Transverse and longitudinal cracking has been crack sealed thru out. Couple inlets sunk
Bradford Drive	X		X	X	X	X	X		X	3	2	6	Heavy map and wheel track cracking and some rutting along pavement edges, rut filled at hse 284. Base failure some areas
Brookpark Drive (#203 to Cardinal)							X		X	3	1	9	Resurfaced in 2019, Low curb reveal noted in areas
Brookpark Drive (Park Royal to #203)					X						1	9	Resurfaced in 2017, minor cracking noted cracks were crack sealed.
Callahan Road	X	X	X		X						2	6	Significant map cracking in older section of road, 1st 100 ft from Rt 46 was recently paved patches thru out
Camelot Ct.			X		X	X		X		2	3	5	Curb and gutter damage at hse #59, Heavy cracking thru out, drainage issues noted at cul de sac
Canterbury Ct.	X	X	X		X			X		1	2	6	Heavy surface wear, potholes noted thru out, Isolated map, longitudinal and transvers cracking thru out
Cardinal Dr.							X	X	X	2	1	9	Resurfaced in 2019 part of road curb only part curb and gutter type 6 curb low in areas
Carriage Hill Dr.	X	X	X		X	X	X		X	3	2	6	Cracking noted thru out potholes and patching noted in a few areas
Chapel Lane (Old Section)							X		X	1	1	9	Recently resurfaced from Dartmouth to Cul de Sac rest of road in good shape
Chapel Lane (New Section)					X	X	X		X	1	1	7	Some Longitudinal and transverse cracking noted road in good shape
Charleston Court			X		X			X		1	1	8	Curb and gutter great shape, minor cracking noted road is in good condition
Chatsworth Lane			X		X	X		X		1	2	5	Minor cracking, road and curb and gutter in good condition
Cherry Hill Ct.			X	X	X					1	2	6	Moderate cracking thru out, inlet repair needed at hse#34 inlet top shifted. Area patched near stop sign base failure
Colonial Dr.	X	X	X		X	X		X		1	2	7	Moderate cracking thru out, severe deterioration 1st 100 ft from Janet. Curb and gutter in decent condition
Coral Way			X		X					1	2	7	Cracking thru out some rutting 1 small patch noted
Court Street					X					1	1	8	Good condition resurfaced in 2017 some very minor cracking was crack sealed
Cross Street	X	X	X		X						3	5	Significant cracking noted and numerous potholes and patching noted
Dartmouth Ave.	X	X	X		X		X		X	3	2	5	Low curb reveal noted, cracking noted thru out 1st 100 ft from Broad St resurfaced N side of road, patching noted thru out
Deertrail Dr.											1	9	resurfaced in 2019 excellent shape
East Main St.	X	X	X		X			X		1	2	7	some cracking thru out potholes and patching noted in isolated areas
East Regency			X		X			X		2	3	5	Very heavy map cracking along edges near curb and gutter

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STREET	Patching	Debonding/ Potholes	Map Cracking	Base Failure	Transverse/ Longitudinal Cracking	Wheel Track or Edge Cracking	Curb Only	Curb and Gutter	Low Curb Reveal	Curb- Condition Rating	Pavement Severity- Condition Rating 1	Pavement Extent- Condition Rating 2	Remarks
Edwards Avenue											1	9	Resurfaced in 2019 excellent condition no cracking
Elizabeth Place	X				X			X		1	1	6	moderate longitudinal and transverse cracking noted, some rutting noted and 1 patch at cul de sac noted
Emerald Court			X		X			X		1	1	7	Moderate cracking noted thru out curb and gutter in good shape
Fair Ave.						X					1	9	Resurfaced in 2018, some very minor cracking starting at pavement edges roads in in very good condition
Fairground Blvd.		X	X		X						2	6	Few potholes noted some cracking
Fairview Avenue					X	X					1	8	Road is in good condition some minimal cracking noted
Findlay Ave					X			X			1	8	Resurfaced in 2017, Longitudinal and transverse cracking noted has been crack sealed, good condition
Garwood Drive							X		X	2	1	9	Redsurfaced in 2017, majority of road has no curb, very minimal cracking noted
Gennaro Place			X		X	X		X		1	2	6	Map and longitudinal and transverse cracking noted thru out
Glenview Road			X		X	X	X		X	3	1	7	Small length of curb only, Resurfaced in 2015, Isolated areas of map and edge cracking noted, low curb reveal near Brook Park
Greenmont Drive	X	X	X			X		X		1	3	6	Curb and gutter repair needed at hse #544, Base failure at hse #511 and patching noted at hse #455
Herbert Road			X		X			X		1	1	8	Minor map cracking in isolated areas moderate tansverse and longitudinal cracking, pavement condition not as good from overpass bridge over rt 11 to SR 46
Hickory Hollow Drive	X	X	X		X		X	X	X	3	2	6	Heavy map cracking thru out, Patching noted last bend before cul de sac some type 6 and curb and gutter mixed some repair needed
High Street											1	9	Resurfaced in 2017 Some very minor transverse and longitudinal cracking noted that has been crack sealed
Hilltop Blvd. (N. Broad to Montridge)	X	X	X		X	X	X		X	1	2	6	Heavy map cracking and wheel and edge cracking along edges with rutting severe in areas many potholes patched
Hilltop Blvd. (Montridge to Talsman)	X	X	X		X		X		X	1	1	7	Some minor cracking noted 4 or 5 potholes patched road in decent shape
Holly Street	X	X	X		X	X					3	6	Heavy Map, longitudinal and transverse cracking noted especially along edges near Indian lake bad, some rutting
Hood Drive		X	X		X	X					2	7	Moderate cracking thru out especially at edges couple potholes noted
Indian Lake Blvd.			X		X	X					2	7	Minor map cracking some longitudinal and transverse cracking wheel track edge cracking and rutting noted along north side
Jade Circle			X		X			X		1	2	6	Curb and gutter heaved and busted across from hse #299, some other curb repairs needed, map and longitudinal cracking thru out
Janet Dr.	X				X			X	X	1	2	7	Combination of just curb and curb and gutter along street, cracking noted thru out
Kings Lane			X		X			X		1	2	6	Map cracking noted small patch noted at Squirres Ct
Kirk Street	X	X	X		X						1	7	Patching sawcutted and patched with hot mix noted thru out moderate map and longitudinal and transverse cracking noted
Lake Wobegon Ct.			X		X			X		1	1	7	Good shape minor cracking noted thru out

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Lake Wobegon Dr.	X	X	X		X			X		1	2	7	Heavy map cracking noted near center line joint, trench needs paved at cul de sac from storm repair work
Lakeview Circle			X		X	X		X		1	2	6	Curb and gutter in good shape, map,longitudinal, and transverse cracking noted thru out
Lakhani Lane			X		X			X		1	2	7	Some minor patching noted, map, longitudinal, and transverse cracking thru out
Laurel Hill Lane	X	X	X		X			X		1	2	6	Gutter broken up at Hse# 62, Significant map cracking at center of road and other areas also, potholes and patching noted thru out
Lisbon Street			X		X						1	8	Some isolated map cracking along pavement edges, isolated longitudinal and transverse cracking noted, road in good shape
Majestic Court			X		X			X		1	2	7	Isolated cracking noted pavement in good shape
Mallard Crossing			X		X			X		1	2	6	Curb and gutter busted up at Hse#81, isolated map cracking and moderate transverse and longitudinal cracking noted, couple patches
Manor Hill Dr.	X	X	X		X			X		1	3	5	Significant cracking thru out, potholes and patching thru out
Maple Street					X						1	9	Resurfaced in 2017, minimal cracking good shape
Meadow Ct.	X	X	X		X			X		1	1	7	Some map cracking near Montgomery drive, road in good condition minor pothole noted
Millbrook St.	X	X	X		X			X		1	3	5	Significant map cracking along with transverse and longitudinal cracking also some patching
Montgomery Ct.	X		X		X			X		1	1	8	Isolated areas of map, longitudinal, and map cracking, 1 small patch noted, road in decent shape
Montgomery Dr.	X	X	X		X			X		1	2	5	Significant amounts of map cracking and patching of potholes especially near Talsman
Montridge Dr.	X		X	X	X						2	6	Small area showing base failure near Neff drive, cracking thru out
Moreland Dr.	X	X	X	X	X	X					2	5	Significant areas of base failure @ hse# 233,281, and 290, pavement severely rutted, heaved in areas and broken apart
Morningview Circle	X	X	X		X			X		1	2	6	Cracking thru out, potholes with patching noted close to Preserve Blvd
N. Broad St.	X				X			X		1	1	8	Pavement recently resurfaced from Darthmouth to Herbert curb and gutter in new condition area south of Darthmouth has minor cracking and has utility patching in various spots
Neff Ct.	X	X	X		X			X		1	2	6	Map, transverse and longitudinal cracking thru out with some pot holes and patching noted
Neff Dr.											1	9	Resurfaced in 2018 excellent condition
Newton Street					X						1	7	Resurfaced in 2017 good condition
North Briarcliff	X		X		X			X		1	2	6	Map cracking and edge cracking thru out, 1 patch noted at Hse#538
North Hillside											1	9	Resurfaced in 2018, few minor cracks developing
Northview Road											1	9	Resurfaced in 2020 excellent condition

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Oak Street	X	X	X		X	X					2	6	Excessive cracking thru out potholes with patching especially near Kirk Street
Oak Tree Drive	X	X	X		X			X		2	3	5	Heavy map cracking near centerline jt., Curb damage at Hse# 129, Potholes and patching noted
Oakmont Ct.			X		X			X		1	2	6	Moderate cracking thru out including areas near edge of curb and gutter top of pavement below gutter plate in areas
Oakview Crossing					X			X		1	1	9	Resurfaced in 2014, minimal cracking noted good shape
Overbrook Drive	X	X	X		X	X	X			2	3	5	Excessive map and edge cracking, and longitudinal and transverse cracking, w/numerous potholes and patching noted
Pine Valley Ct.			X		X	X		X		1	2	7	Cracking thru out, Wheel track cracking noted near cuul de sac, Curb and gutter deteriorated at Hse #101
Pinecone Drive			X		X			X		1	2	6	Heavy map cracking near centerline joint and isolated areas thru out, transverse and longitudinal cracking also noted
Preserve Blvd.	X	X	X		X			X		1	3	5	Map cracking thru out, entrance in bad condition
Queens Court	X	X	X		X	X		X		1	2	6	Small potholes and patching noted with moderate cracking noted
Railroad Street			X		X	X	X			2	2	6	Isolated areas of heavy map cracking,longitudinal and transverse cracking, half street is concrete with curb
Russo Avenue			X		X	X		X		1	3	6	Severe map cracking thru out, curb repair needed @ Hse#580 Cracking not as bad from Lakhani to cul de sac
S. Broad St.					X			X	X	1	1	8	Minor cracking noted road in good condition, Some low curb reveal noted
Sandstone (Jade to Timber Run)			X		X			X		1	1	8	Minor cracking noted only
Sandstone (Timber Run to Timber Run)								X		1	1	9	Resurfaced in 2020 with curb and gutter repairs made, excellent condition
Savannah Court	X	X	X		X	X		X		1	2	6	Heavy map cracking and edge cracking near Laurel Hills W/ patching noted
Sawmill Run Drive								X		2	1	9	Resurfaced in 2019 Some minor cracking noted near curb and gutter more so on the north side of the street. Curb repair needed at Hse# 225
Scott Street							X			1	1	9	Resurfaced in 2019
Shadydale Dr.					X			X		2	1	9	Resurfaced in 2018, Some very minor longitudinal cracking isolated areas, curb section missing at Hse# 300
Skyline Ave.			X		X	X					2	6	Heavy map cracking along pavement edges some pavement rutting near edges in isolated areas
Sleepy Hollow Drive	X	X	X		X	X					3	5	Heavy map cracking in areas heavy wheel track or edge cracking along edge, patching noted at Hse # 20,80,82,285,345, and 355
South Briarcliff	X		X		X	X	X		X	2	3	6	Cracking thru out with heavy potholes and patching noted at Hse# 383,402,462,483 and at tennis club entrance
South Hillside Dr.	X	X	X		X	X	X		X	3	2	6	Excessive cracking just south of Main Street, numerous potholes and patching and low curb reveal noted
Southview Road											1	9	Resurfaced in 2019, good condition

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Squires Court					X			X		1	1	8	Road in good condition some minor longitudinal and transverwse cracking noted
Stoneybrook Lane								X		1	1	9	Resurfaced in 2020 Curb inlet sunk E side near Sawmill Curb busted up at Hse# 510
Stratford Green			X		X			X		1	2	6	Map Cracking thru out the entire road
Talsman Dr.			X					X		1	1	8	Resurfaced in 2019 has some very minor map cracking along pavement edges
Timber Run Ct.	X		X		X			X		1	2	7	Cracking thru out depression at transverse cracks in areas
Timber Run Dr.			X		X			X		1	1	8	Resurfaced in 2016 from Herbert to Alabaster, Some minor cracking, heavier cracking noted from Alabaster to Lake Wobegon
Tony Ann Place			X		X			X		1	2	7	Moderate cracking thru out small patching noted in front of 2 curb inlets
Topaz Circle	X		X		X			X		1	2	6	Significant map cracking center of the road w/ asphalt patching
Verdant Lane	X		X		X		X		X	2	3	5	Heavy cracking thru out Low curb reveal noted at Cul De Sac
Village Blvd.	X	X	X		X		X		X	2	2	6	Low curb reveal in isolated areas, significant map cracking and isolated patching notably at bank entrance area some pavement rutting
Wadsworth						X					1	9	Resurfaced in 2018, Some minor edge cracking noted
West Main St.					X		X			1	1	8	Road in good condition some minor cracking noted
West Regency			X		X	X		X		2	3	5	Heavy map and edge cracking thru out, curb and gutter settling in areas
White Oak Ct.								X		1	1	9	Resurfaced in 2018 excellent condition no cracking noted
Willow Way	X		X		X	X		X		2	3	5	Heavy map and wheel track edge cracking thru out severe in areas, heavy potholes and patching near sawmill
Willowbend Dr.			X		X			X		1	2	6	Moderate amounts of map and longitudinal cracking noted thru out 1 patch noted at Hse #25
Winona Ave.	X	X	X		X						2	5	Heavy cracking noted near Main Street bottom half of street in decent condition, potholes with patching noted
Woodbury Court			X		X			X		1	2	6	Moderate cracking noted, gutter repair needed at Hse #521 nad gutter in front of curb inlet needs repair also
Woodland Run	X		X		X			X		1	1	6	Some map and longitudinal cracking road in decent condition couple patches noted at Hse #131 and 140

Condition Rating Scale

1 - Good  
2 - Fair  
3 - Poor

1 - Good  
2 - Fair  
3 - Poor

9 = Excellent, 8 = Good  
7 = Satisfactory, 6 = Fair  
5 = Poor

CURB	SEVERITY	EXTENT
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## APPENDIX D

### City of Canfield Recent Resurfacing Projects (2014-2020)



City of Canfield: Street Resurfacing Record	
2020	
Northview Road	
Stoneybrook Lane	
Sandstone Lane (Full Asphalt Rebuild + Addition of Underdrains)	
2019	
Cardinal Drive (w/ACE Fibers)	
Talsman Drive (w/ACE Fibers)	
Brookpark (#203 to Cardinal)	
Southview	
Scott	
Edwards	
Deertrail	
Sawmill Run	
2018	
Neff Drive (w/ACE Fibers)	
Shadydale (w/ACE Fibers)	
White Oak	
Fair Street	
Wadsworth Street	
Chapel Lane (North/South Sections)	
DPW Garage (Drive and Parking Area)	
North Hillside Drive	
2017	
Court Street	
Maple Street	
High Street	
Newton Street	
Brookpark (Park Royal Apartments to 203 Brookpark)	
2016	
Timber Run Drive	
Fairview Avenue (Indian Lake to Fairground)	
Police Department Parking Lot	
2015	
Blueberry Hill	
Fairview Avenue (Maple to Indian Lake)	
Glenview	
2014	
Woodland Run	
Oakview Crossing	
Russo Drive	
Tony Ann Place	
Hilltop (Montridge to Talsman)	
Sandstone (Jade to Timber Run)	
Railroad Street	
Dartmouth Drive (Right-of-Way Drive: House #170 and House #180)	