

# CITY OF MADISON

## ANNUAL REPORT

### BOARD OF PUBLIC WORKS

#### 2022

#### **The Purpose of This Report:**

This report is a summary of the proceedings of the Board of Public Works addressed annually to the Common Council in accordance with Section 62.14(5) of the Wisconsin Statutes.

#### **The Board of Public Works:**

During 2022, the members of the Board were as follows:

Chairman/Engineering Background: Michael Cullen  
Aldersperson: Ald. Gary Halverson (1/1 – 9/14) and Ald. Keith Furman (11/22 – 12/31)  
Aldersperson: Ald. Grant Foster  
First Alternate Adult City Resident: Aaron Williams  
Second Alternate Adult City Resident: Vacant  
Mayor Designee: Lisa Stern (6/9 – 12/31)  
Adult City Resident: David J. Branson (1/1 – 4/30) and Jaclyn Weitzel (6/9 – 12/31)  
Adult City Resident: Vales Adams  
Adult City Resident: Joe Clausius  
Executive Secretary: Robert F. Phillips (1/1 – 4/20)  
Acting Executive Secretary: Chris Petykowski (5/11 - 12/31)

During 2022, the Board of Public Works was convened for 22 meetings of which 18 included formal Assessment/Utility/Noise Impact Public Hearings.

The Citizen members of the Board were paid a salary of \$100 per annum in accordance with Section 62.14(3) of the Wisconsin Statutes.

#### **Summary of Bids Received by the Board of Public Works Construction:**

It is the goal of the City to maximize the competition for public works contracts in order to provide the best value for the expenditure of its property tax and utility rate payers. The receipt of three or more bids from prequalified contractors best accomplishes the attainment of that goal. However, the practice of the city is to open the bids for projects, which have two bidders without an extension of the bidding period.

When a single bid is received for a contract, the bid period is generally extended unless there is information indicating that there are insufficient bidders available or schedule constraints.

#### **AWARDED – “SINGLE” BIDDERS**

<b><u>Contract No.</u></b>	<b><u>Contract Name</u></b>
8512	New Sidewalk Installation Assessment District - 2022
8632	Annual Construction & Reconstruction of Concrete Sidewalk & Incidental Concrete Curb & Gutter Work Ordered (District 5) by the Common Council.
8634	Sidewalk, Curb & Gutter, and Concrete Pavement Patches, Citywide Installation and Repair - 2022
9125	MPD East Fencing
9131	State Street Capitol Garage (SSCO) Generator Replacement

9136	Metro Transit Satellite Facility – Controls Upgrade
9151	Cannonball Single Track Trail Improvements 2022
9159	Senior Center Lighting Replacement
9160	Solar PV – Streets Waste Transfer Station
9178	Solar PV – Fire Station 02
9179	2022 Rennebohm Park West Tennis Courts
9228	Replacement of Booster Pump and Associated Piping/Appurtenances at Unit Wells 12 & 26

(MULTIPLE BIDS RECEIVED) – ALL BIDS REJECTED

<b><u>Contract No.</u></b>	<b><u>Contract Name</u></b>
8598	Fire Station 6 Remodel and Addition <i>(3 bids received – over estimate)</i>
8605	West Badger Rd. Salt Barn <i>(3 bids received, only bid under estimate was non-responsive, contract rebid)</i>
9172	2022 Inclusive Playgrounds <i>(2 bids received, no award recommendation at Common Council)</i>
8873	Truax Lift Station <i>(2 bids received, over estimate)</i>

REJECTED/REBID – “NO/SINGLE” BIDS

<b><u>Contract No.</u></b>	<b><u>Contract Name</u></b>
8568	Old Middleton Road and Craig Avenue Resurfacing Assessment District - 2021 <i>(single bid, bid not opened, contract rebid)</i>
8601	Senior Center Lighting Replacement <i>(single non-responsive bid, contract rebid)</i>
8643	Safe Streets Madison – Group 1 <i>(single bid, bid not opened, contract rebid)</i>
8644	Bikeways 2022 <i>(No bids, contract rebid)</i>
8647	Henry Street & West Washington Avenue Traffic Signal <i>(No bids, contract rebid)</i>
8690	Bridge Repairs - 2022 <i>(No bids, contract rebid)</i>
9087	Metro Transit Satellite Facility – Controls Upgrade <i>(single non-responsive bid, contract rebid)</i>
9138	2022 Inclusive Playgrounds <i>(single bid, bid not opened, contract rebid)</i>
9161	Solar PV – Fire Station 02 <i>(No Bids, contract rebid)</i>
9169	Median Conversion- Concrete 2022 <i>(Single bid, over estimate, contract was not rebid)</i>
9176	Overture Center Garage Screening <i>(No bids)</i>
9195	Bridge Repairs 2022/2023 – Painting Alicia Ashman Pedestrian Bridge <i>(Single Bids, bid not opened, contract rebid)</i>
9200	Replacement of Booster Pump and Associated Piping/Appurtenances at Unit Wells 12 & 26 <i>(Single non-responsive bid, contract rebid)</i>
9209	CIPP Wet Lining Rehab of Sanitary Sewers – 2021 (Rebid) <i>(Single bid, over estimate, contract to be rebid)</i>

**Contract Bidding Summary (2018-2022)**

<b>All Awarded contracts [includes contracts rebid]</b>	Year	2018	2019	2020	2021	2022
	Number of contracts	76	70	61	64	52
	Value of contracts (Millions)	\$93 M	\$113 M	\$43 M	\$65 M	\$50 M
	Total number of bidders	211	206	196	223	140
	Average number of bidders per contract	2.78	2.94	3.21	3.48	2.69
	High number of bids per contract	6	8	7	6	7
	Low number of bids per contract	1	1	1	1	1
	Number of contracts with 3 or more bids	41	41	36	44	25
	Number of contracts with 2 bids	21	20	21	19	15
	Number of contracts with 1 bid	14	9	4	1	12

<b>All Contracts Bid</b>	Year	2018	2019	2020	2021	2022
	Total number of contracts bid	88	85	69	71	70
	Total number of bids	227	225	208	229	159
	Average number of bidders per contract	2.58	2.65	3.01	3.23	2.27
	High number of bids per contract	6	8	7	6	7
	Low number of bids per contract	0	0	1	0	0
	Number of contracts with 3 or more bids	44	43	37	44	27
	Number of contracts with 2 bids	21	23	23	20	17
	Number of contracts with 1 bid	20	16	9	5	21
	Number of contracts with no bids	3	3	0	2	5

<b>All Contracts Bid Except Facilities Contracts</b>	Year	2018	2019	2020	2021	2022
	Total number of contracts bid	37	63	56	53	45
	Total number of bids	165	176	169	178	119
	Average number of bidders per contract	2.46	2.79	3.02	3.26	2.64
	High number of bids per contract	6	6	7	6	7
	Low number of bids per contract	0	1	1	0	0
	Number of contracts with 3 or more bids	31	37	31	36	22
	Number of contracts with 2 bids	17	17	19	15	10
	Number of contracts with 1 bid	17	9	6	1	11
	Number of contracts with no bids	2	0	0	1	2

All Facilities Contracts Bid	Year	2018	2019	2020	2021	2022
	Total number of contracts bid	21	22	13	18	25
	Total number of bids	62	49	39	51	40
	Average number of bidders per contract	2.95	2.23	3.00	2.83	1.60
	High number of bids per contract	6	8	6	6	4
	Low number of bids per contract	0	0	1	0	0
	Number of contracts with 3 or more bids	13	6	6	8	5
	Number of contracts with 2 bids	4	6	4	5	7
	Number of contracts with 1 bid	3	7	3	4	10
	Number of contracts with no bids	1	3	0	1	3

Manual Bids for All Contract Bid	Year	2018	2019	2020	2021	2022
	Total number of manual bids	53	35	25	33	16
	Total number of bids	227	225	208	229	159
	Percent manual bids	22.03	15.56	12.02	14.41	10.06
	Total number of contracts bid	88	85	69	71	70
	Number of contracts with a manual bid	28	21	15	18	16
	Percent of contracts with a manual bid	31.82	24.71	21.74	25.35	22.86
	Number of companies submitting a manual bid	29	21	20	20	11

## BOARD OF PUBLIC WORKS, CITY OF MADISON

***PUBLIC WORKS CONTRACTS FINALIZED IN 2022***

<b>Contract Number</b>	<b>Contract Name</b>	<b>Finance Ltr Sent Date</b>	<b>Contract Amount</b>	<b>Amount Paid To Date</b>
7528	Nakoosa Trail Fleet/Fire/Radio Shop Facility	5/12/2022	\$27,686,000.00	\$28,521,009.92
7901	Demetral Park Path Phase 2	8/9/2022	\$397,518.32	\$328,722.75
7952	Judge Doyle Garage	2/25/2022	\$29,968,853.00	\$34,327,147.66
8290	Judge Doyle Podium	5/2/2022	\$7,398,277.00	\$8,325,315.73
8313	City View Drive (new street)	9/7/2022	\$1,946,338.10	\$2,107,179.05
8390	CIPP Wet Lining Rehab of Sanitary Sewers - 2019	11/30/2022	\$777,537.00	\$770,510.75
8493	Sidewalk Program 2020, Ald. District 4 & 8	2/25/2022	\$1,409,935.00	\$1,312,597.48
8498	Rockstream Drive (new street)	5/19/2022	\$1,714,494.97	\$1,639,730.47
8503	Dunning St, Jackson St & LaFollette Ave Reconstruction	3/14/2022	\$3,027,811.65	\$3,128,520.89
8504	Cedar Street (new street) & South Street, W. Wingra Drive & High Street(recon) Resurfacing w/Utilities	8/19/2022	\$3,925,864.65	\$3,812,982.87
8515	Local Road Traffic Calming & Arterial Ped Enhancements 2020	3/15/2022	\$450,176.50	\$445,543.95
8561	Hillcrest Dr, Alden Dr, Standish Ct Reconstruction	5/11/2022	\$1,753,796.22	\$1,609,307.06
8563	Bikeways 2021	4/28/2022	\$428,564.75	\$244,019.96
8564	Felland Rd & Tranquility Trl Roundabout	4/28/2022	\$1,144,769.19	\$1,112,452.32
8567	Melvin Ct & Ridgeway Ave Resurfacing w/Utilities	10/26/2022	\$704,056.11	\$692,377.38
8570	Local Road Traffic Calming & Arterial Ped Enhancements 2021	3/15/2022	\$337,749.05	\$317,642.05
8574	W. Washington Avenue Resurfacing s/Utilities	6/8/2022	\$3,484,000.00	\$3,422,403.90
8576	N. Brooks St, Fahrenbrook Ct, College Ct Resurfacing w/Utilites	4/19/2022	\$797,402.45	\$770,586.70
8577	Forster Drive Resurfacing w/Utilities	4/12/2022	\$616,472.87	\$558,783.53
8578	Park St Pavement Joint Repair (2021 outbound)	3/14/2022	\$1,397,732.50	\$1,355,111.34
8579	Crack Repair: local	2/25/2022	\$81,575.00	\$77,765.00
8580	Crack Repair: major	2/25/2022	\$139,150.00	\$139,150.00
8584	N. Park Street Paver Repair & State Street Sidewalk Joint Repair	3/9/2022	\$399,876.54	\$439,888.19

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***PUBLIC WORKS CONTRACTS FINALIZED IN 2022***

<b>Contract Number</b>	<b>Contract Name</b>	<b>Finance Ltr Sent Date</b>	<b>Contract Amount</b>	<b>Amount Paid To Date</b>
8592	Engineering Operations Facility - Canopy Replacement/Expansion	10/18/2022	\$153,311.00	\$152,549.00
8599	Madison Public Library Lighting - Lakeview	4/19/2022	\$73,033.00	\$74,299.00
8609	Madison Police Training Center Office Roof Replacement	10/17/2022	\$43,447.00	\$48,944.80
8613	Sycamore Park Parking Lot Repavement	2/3/2022	\$122,967.57	\$131,503.42
8615	Aberg Avenue & NB Packers Avenue Ramp traffic signal	3/9/2022	\$155,355.40	\$127,507.42
8636	Crack Repair: local	11/30/2022	\$118,480.00	\$115,990.00
8687	Crack Repair: major	12/27/2022	\$139,726.35	\$142,729.83
8688	Chip Seal East	11/7/2022	\$1,864,342.00	\$1,850,605.65
8689	Chip Seal West	11/7/2022	\$2,514,225.83	\$2,484,044.14
8850	Warner Beach Park Shelter	5/19/2022	\$688,900.00	\$690,504.32
8860	FEMA Shoreline Repairs - 2022	12/2/2022	\$19,806.00	\$19,799.20
8861	Glenwood Children's Park	3/15/2022	\$84,645.75	\$79,404.05
8870	CIPP Rehab 2020	3/29/2022	\$853,791.75	\$854,887.25
8930	Traffic Median Revegetation and Maintenance	3/1/2022	\$37,350.00	\$24,800.00
8960	Madison Public Library Lighting - Alicia Ashman	3/15/2022	\$89,900.00	\$89,900.00
8989	RESURFACING 2021 – ASPHALT PAVEMENT PULVERIZING, MILLING AND PAVING	9/13/2022	\$1,933,659.80	\$1,788,117.41
8990	RESURFACING 2021 – ASPHALT BASE PATCHING AND BASE PATCH GRINDING	2/11/2022	\$773,470.00	\$663,239.38
8992	Sidewalk, Curb&Gutter, Citywide Installation and Repair 2021	6/7/2022	\$339,481.00	\$271,004.75
9007	Madison Public Library Lighting - Hawthorne	3/29/2022	\$67,532.00	\$70,119.00
9035	Greentree Hills Landfill West Header Replacement	1/18/2022	\$172,650.00	\$176,790.00
9042	Madison Fire Station 05 Wall Removal & Improvements	4/5/2022	\$30,212.00	\$30,805.53
9079	Madison Public Library Lighting - Sequoia	9/13/2022	\$257,305.00	\$260,770.00
9136	Madison Metro Transit Satelite Facility Controls Upgrade	6/8/2022	\$159,455.00	\$159,455.00

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***PUBLIC WORKS CONTRACTS FINALIZED IN 2022***

<b>Contract Number</b>	<b>Contract Name</b>	<b>Finance Ltr Sent Date</b>	<b>Contract Amount</b>	<b>Amount Paid To Date</b>
9146	Streets West Badger – Roofing Alterations	11/23/2022	\$52,306.00	\$57,096.00
9429	Mall/Concourse Maintenance Protective Flooring Replacement	2/9/2022	\$52,211.00	\$53,756.00
9430	Sprecher Road Greenway Improvements	10/26/2022	\$283,421.71	\$277,642.16
9478	Westview Hills Channel	2/25/2022	\$96,636.52	\$98,853.75

**Total Bid Amounts**

\$101,165,572.55

**Total Paid to Date**

\$106,253,866.01

**Total Contracts**

50

**BOARD OF PUBLIC WORKS, CITY OF MADISON**

**PUBLIC WORKS CONTRACTS AWARDED IN 2022**

Contract No.	Date	Contract Name	Type	Contractor	Contract Amount	No. of Bidders	Engineer's Estimate	Percent of Bid to Estimate	
8606	18-Jan	South Point Rd Truck Scale and Fuel Point	B	Fac&Sust.	Raymond P. Cattell, Inc.	\$2,529,676.57	4	\$2,600,000.00	97%
9430	1-Feb	Sprecher Road Greenway Improvement	L	Storm	S&L Underground, Inc.	\$283,421.71	7	\$490,000.00	58%
8505	22-Feb	Cedar Street & Beld Street Assessment District - 2022	S&H	Streets	Speedway Sand & Gravel, Inc.	\$1,719,776.26	4	\$2,123,632.92	81%
9131	22-Feb	State Street Capitol Garage (SSCO) Generator Replacement	M	TE	Joe Daniels Construction Co., Inc.	\$201,696.00	1	\$180,000.00	112%
9136	22-Feb	Metro Transit Satellite Facility - Controls Upgrade	M	Fac&Sust.	South Town Refrigeration, LLC dba Control Works	\$159,455.00	1	\$125,000.00	128%
9118	1-Mar	2022 Sport Court Resurfacings	P	Parks	Poblocki Paving Corporation	\$108,467.70	2	\$104,200.00	104%
9127	1-Mar	Tenney Park E. Johnson St. Pedestrian Bridge Wing Walls	L	Parks	Greener Valley Landscaping, Inc.	\$51,004.00	5	\$55,000.00	93%
8592	29-Mar	Eng. Operations Facility - Canopy Replacement/Expansion	M	Fac&Sust.	Bachmann Construction Company, Inc.	\$153,311.00	2	\$92,000.00	167%
8616	29-Mar	St.Paul, Ohio, Talmadge, Jackson, LaFollette Reconst.	S&H	Streets	R. G. Huston Co., Inc.	\$3,651,225.00	3	\$4,460,416.00	82%
8617	29-Mar	Resurfacing '22 - Curb & Gutter and Castings	P	Streets	Parisi Construction, LLC	\$453,761.46	2	\$563,000.00	81%
8618	29-Mar	Resurfacing '22- Pavement Pulverizing, Milling & Paving	P	Streets	Payne & Dolan, Inc.	\$652,194.50	3	\$700,000.00	93%
8619	29-Mar	Resurfacing '22- Base Patching & Base Patch Grinding	P	Streets	Payne & Dolan, Inc.	\$794,412.50	4	\$833,000.00	95%
8632	29-Mar	Annual Constr/Recon Sidewalk/C&G Ord (D5) CC	S&H	Sidewalk	Speedway Sand & Gravel, Inc.	\$1,696,376.00	1	\$1,145,000.00	148%
8633	29-Mar	Annual Horiz. Sawcut Conc SW/Incidental Work (D5) 2022	S&H	Sidewalk	Southern Wisconsin Construction LLC	\$58,910.00	2	\$71,000.00	83%
9146	29-Mar	Streets West Badger - Roof Alterations	M	Fac&Sust.	Maly Roofing Company, Inc.	\$52,306.00	2	\$45,000.00	116%
8650	29-Mar	Old Middleton Rd & Craig Avenue Resurfacing AD - 2021	S&H	Streets	Speedway Sand & Gravel, Inc.	\$7,275,045.47	5	\$8,403,298.50	87%
8622	19-Apr	S Owen Dr, Keating Terrace, & Caromar Dr Resurfacing	P	Streets	Parisi Construction, LLC	\$1,818,181.81	4	\$2,220,500.00	82%
9159	19-Apr	Senior Center Lighting Replacement	M	Fac&Sust.	The Electrician, Inc.	\$287,985.00	1	\$250,000.00	115%
8634	10-May	SW, C&G, Conc. Pvmt. Patches, Citywide Install & Rep. '22	S&H	Sidewalk	Raymond P. Cattell, Inc.	\$481,890.00	1	\$465,000.00	104%
8636	10-May	Repairing & Sealing Pavement Cracks-Local Streets 2022	S&H	Streets	Fahmer Asphalt Sealers, L.L.C.	\$118,480.00	3	\$160,000.00	74%
8687	10-May	Repairing & Sealing Pavement Cracks-Major Streets 2022	S&H	Streets	Fahmer Asphalt Sealers, L.L.C.	\$139,726.35	3	\$146,000.00	96%
8688	10-May	Chip Sealing 2022 - East	P	Streets	Scott Construction Inc.	\$1,864,342.00	2	\$2,000,000.00	93%
8689	10-May	Chip Sealing 2022 - West	P	Streets	Scott Construction Inc.	\$2,514,225.83	2	\$2,700,000.00	93%
8860	10-May	FEMA Shoreline Repairs	M	Storm	Madison Commercial Landscapes Inc.	\$19,806.00	5	\$20,424.50	97%
9151	10-May	Cannonball Single Track Trail Improvements 2022	M	Parks	Rock Solid Trail Contracting, LLC	\$229,986.75	1	\$124,763.00	184%
8512	24-May	New Sidewalk Installation Assessment District - 2022	S&H	Sidewalk	Speedway Sand & Gravel, Inc.	\$171,458.34	1	\$143,811.00	119%
9125	24-May	MPD East Fencing	M	Fac&Sust.	Century Fence Company	\$70,152.00	1	\$60,000.00	117%
9168	24-May	2022 Parking Garage Maintenance	M	TE	RAM Construction Services of MN LLC	\$581,980.50	2	\$499,307.97	117%
9178	24-May	Solar PV - Fire Station 02	M	Fac&Sust.	Electric Future LLC	\$45,580.00	1	\$36,250.00	126%
8624	7-Jun	Russell Street Assessment District - 2022	S&H	Streets	R. G. Huston Co., Inc.	\$700,830.00	4	\$749,162.50	94%
9102	7-Jun	1622 Fordem Avenue Sanitary Sewer Replacement AD'22	S&W	Sewer	S&L Underground, Inc.	\$164,641.04	3	\$165,907.50	99%
9103	7-Jun	Worthington Ave, Powers Ave, & Thurber Ave Sanitary	S&W	Sewer	Capitol Underground, Inc.	\$965,284.86	4	\$810,557.00	119%
9173	21-Jun	CIPP 2022 - Lake Mendota Drive	S&W	Water	Fer-Pal Construction USA, LLC	\$398,530.00	2	\$420,000.00	95%



**BOARD OF PUBLIC WORKS, CITY OF MADISON**

**PUBLIC WORKS CONTRACTS AWARDED IN 2022**

Contract No.	Date	Contract Name	Type	Contractor	Contract Amount	No. of Bidders	Engineer's Estimate	Percent of Bid to Estimate	
8623	12-Jul	Tokay Boulevard Resurfacing Assessment Dist. - 2022	P	Streets	S&L Underground, Inc.	\$1,155,973.56	4	\$1,280,000.00	90%
9188	12-Jul	2022 Warner Park Inclusive Playground	M	Parks	Joe Daniels Construction Co., Inc.	\$310,097.47	2	\$291,859.00	106%
8625	2-Aug	Lake Mendota Drive and Capital Avenue AD - 2022	S&H	Streets	S&L Underground, Inc.	\$2,332,089.99	4	\$2,497,000.00	93%
8655	2-Aug	Henry Street & West Washington Avenue Traffic Signal	S&H	TE	Parisi Construction, LLC	\$138,000.00	2	\$110,000.00	125%
8657	2-Aug	Safe Streets Madison 2022 - Group 1	S&H	Streets	Speedway Sand & Gravel, Inc.	\$955,256.19	3	\$835,000.00	114%
9179	2-Aug	2022 Rennebohm Park West Tennis Courts	P	Parks	Wolf Paving & Excavating of Madison, Inc	\$348,243.00	1	\$268,924.10	129%
8586	2-Aug	Reindahl Restroom Remodel	B	Parks	Bachmann Construction Company, In	\$139,598.00	3	\$78,000.00	179%
8658	6-Sep	Bikeways 2022	S&H	Streets	Speedway Sand & Gravel, Inc.	\$644,117.40	3	\$698,070.00	92%
9107	6-Sep	CIPP UV Lining Rehab of Sanitary Sewers - 2022	S&W	Sewer	Michels Corporation	\$1,397,296.00	2	\$1,495,000.00	93%
9160	6-Sep	Solar PV - Streets Waste Transfer Station	M	Fac&Sust.	Electric Future LLC	\$94,670.00	1	\$90,000.00	105%
9210	6-Sep	Mineral Point Landfill 2022 Gas Construction	M	Sewer	Terra Engineering & Construction Corp.	\$175,360.00	3	\$190,070.00	92%
8654	20-Sep	West Badger Rd. Salt Barn	B	Fac&Sust.	Direct Management Company, LLC	\$1,999,391.40	3	\$2,010,000.00	99%
9201	20-Sep	O.B. Sherry Park - 3457/3461/3465 Milw. St. Demolition	M	Parks	Speedway Sand & Gravel, Inc.	\$97,456.08	2	\$90,000.00	108%
9433	20-Sep	Spring Harbor Dredging	M	Storm	Veit & Company, Inc.	\$703,637.50	5	\$742,800.00	95%
8621	11-Oct	Hammersely Road Resurfacing Assess. Dist. - 2022	P	Streets	S&L Underground, Inc.	\$4,448,172.03	5	\$4,343,000.00	102%
8691	11-Oct	East-West Bus Rapid Transit Early Works	S&H	Metro	Parisi Construction, LLC	\$2,827,730.80	2	\$2,500,000.00	113%
9228	25-Oct	Replacement of Booster Pumps and Associated Piping/Appurtenances at Unit Wells 12 & 26	M	Water	Monona Plumbing and Fire Protection, Inc.	\$155,174.00	1	\$150,000.00	103%
8653	22-Nov	Olin Ave. Waste Transfer Station Floor Replacement	F	Fac&Sust.	Tri-North Builders, Inc.	\$190,000.00	2	\$282,500.00	67%
9432	6-Dec	Hawks Landing North Flood Mitigation	M	Storm	R. G. Huston Co., Inc.	\$2,392,630.00	4	\$2,640,000.00	91%
		Number		52		\$50,919,013.07	140		

## **Best Value Contracting 2021**

In 2022 a contract was considered a Best Value Contract per MGO 33.7 (7) if the contractor's bid was equal or greater than \$70,000 for a single trade contract; or equal to or greater than \$341,500 for a multi-trade contract.

The dollar value at which Best Value Contracting requirements are applied is adjusted each year based on the change in the construction cost index as published in the Engineering News-Record.

In 2022, 52 Public Works contracts were awarded. All BVC information was not available at report time for 3 of these contracts (8658, 8621, & 9432). All BVC information is now available for 2 contracts from 2021 (8981 & 9063). Therefore, this summary of apprenticeship utilization in 2022 is based on 51 contracts, which were made up of 31 general contractors and 88 subcontractors.

### **General Contractors**

General contractors were required to have active apprentices employed by their company in all apprenticeable trades used on the project in 33 instances. See Apprentice Utilization Chart for complete breakdown.

<b>2022: Summary: General Contractors (GCs)</b>		
No. of contracts with GC required to have an apprentice in all trades		33 (65%)
No. of contracts where GC met criteria for exemption from active apprentice		18 (35%)
Reason for exemption:		
Less than single trade minimum	5	
Less than multi trade minimum	7	
First Time (2), <5 skilled workers (4), and journey worker on layoff (4)	3	
Work not apprenticeable	3	
Total Contracts		51 (100%)

Examples of non-apprenticeable trades for general contractors were as follows: Pavement crack sealing laborer, Patching & pavement crack sealing laborer, & fence installer.

### **Subcontractors**

Eight subcontractors were required to have active apprentices employed by their company in all apprenticeable trades used on the project. See Apprentice Utilization Chart for complete breakdown.

<b>2022 Summary: Subcontractors</b>		
No. of subcontractors required to have an apprentice		8 (9%)
No. of subcontractors that met criteria for exemption from active apprentice		80 (91%)
Reason for exemption:		
Less than single trade minimum	55	
Less than multi trade minimum	10	
Work not apprenticeable	8	
Less than 5 craft workers employed company-wide	4	
First time contractor	2	
Apprenticeship program more than 90 miles away	1	
Total Subcontractors		88 (100%)

Examples of non-apprenticeable trades include: Truck driver, landscaper, sweeping, traffic control & flag person, vehicle lift installers, petroleum workers, poured-in-place resilient rubber surface installer, fence installer, overhead door installer, asphalt luteman, line-equipment operator, line-groundsman, & line-groundsman/drivers.

**2022 Apprentice Utilization Chart**

Of all contracts fully executed in 2022, General contractors were required to have an apprentice in 33 contracts and Subcontractors in 11 contracts.

	No. of Times an Apprentice Was Required in a Contract		Apprentices – No. of Persons Employed
	General Contractor	Subcontractor	
Construction Craft Laborer	25	2	12
Heavy Equipment Operator/Engineer	25	3	12
Cement Mason/Finisher	6	1	3
Bricklayer	2	0	2
Carpenter	3	0	2
Electrician	2	3	5
Plumber	1	1	1
Iron Worker	1	0	1
Sheet Metal Worker	0	2	2
Fire Sprinkler Fitter	0	1	1
<b>Totals</b>	65	13	41

**Prevailing Wage Rate Compliance**

The Department of Civil Rights monitors the payment of prevailing wage rate in accordance with a Memorandum of Understanding with the Engineering Division. The City of Madison is prohibited from requiring prevailing wage rates on most Public Works Projects. Prevailing wage rates apply to projects that are funded in part with Federal Funds. In 2022, 3 contracts required prevailing wage rates.

**2022 Prevailing Wage Violations & Recoveries**

Contract Type	Number of Violations	Dollar Value of Violations	Year-to-Date Wages Recovered
Public Works	0	\$-0-	\$-0-

In 2022 the Department of Civil Rights conducted 0 on-site prevailing wage interviews.

**Summary of Private Construction of Public Works Improvements Supervised by the Board of Public Works**

The Board also supervised the construction of public works improvements financed by the private sector for new subdivisions and land developments. In 2022, 44 private development plans were issued: 10 plat phases and 34 infills. The table below provides the number of lots created by year.

Year	Plats	CSMs	Condos
2022	25	71	24
2021	268	60	48
2020	193	68	51
2019	534	76	103
2018	733	80	87
2017	137	18	5
2016	411	64	94
2015	806	79	18
2014	679	73	71
2013	253	75	118
2012	9	60	19
2011	28	44	108
2010	280	52	124
2009	34	49	380
2008	96	53	1129
2007	80	54	1464
2006	736	111	1517

Year	Plats	CSMs	Condos
2005	790	91	1478
2004	916	48	1114
2003	1147	44	501
2002	865	85	311
2001	579	60	160
2000	656	52	
1999	1122		
1998	1307		
1997	527		
1996	190		
1995	549		
1994	1038		
1993	317		
1992	776		
1991	287		
1990	432		
1989	369		
1988	800		
1987	502		
1986	152		
1985	339		
1984	317		
1983	354		
1982	245 (1 Plat)		
1981	83		
1980	517		
1979	506		
1978	637		
1977	972		
1976	681		
1975	246		

**Prequalification of Contractors**

During 2022 the City Engineer reviewed the listing of potential bidders prequalified for City work by the City Engineer; 238 contractors applied for various types of work in 2022.

There were no appeals regarding prequalifications of various contractors to bid on City of Madison Public Works Projects, and contractors applying to be licensed Concrete Layers, Asphalt Pavers, and Mudjackers.

	Approved Prequalified Contractors as of 12/31/2022 <sup>1</sup>	New Applications and Renewals
<b>Total Active Prequalified Licenses <sup>2</sup></b>	238	63 <sup>3</sup>
<b>Category A - Street terrace work</b>	114	72
<b>Category B - PW and Private Development</b>	197	118
<b>Category C - Excavate in ROW</b>	171	102

<sup>1</sup> Numerous contractors are approved in multiple categories.

<sup>2</sup> Licenses are valid for 2 year period.

<sup>3</sup> 78 Contractors applied for prequalification in 2022; however, 15 applications were not completed.

**Other Activities of the Board of Public Works**

In 2022, the City Engineer approved 1,371 street excavation permits for main, cable, lateral, and pole locations for the Madison Gas & Electric Company, City of Madison Water Utility, Wisconsin Telephone Company, and others.

The Board reviewed various Resolutions, Ordinances, and Petitions referred to it by the Common Council regarding purchase of property, relocation orders, relocation claims, citizen complaints and petitions, official map changes, and street vacations.

The Board reviewed all Change Orders for projects which exceeded the contingency established at the time of award, exceeded \$20,000, or resulted in a change in the completion date.

### **Board of Public Works Highpoints**

#### **January 5, 2022**

*Legistar 69064:*

Approving Plans, Specifications, And Schedule Of Assessments For Old Middleton Road and Craig Avenue Resurfacing Assessment District – 2021.

The proposed resolution approves plans, specifications, and a schedule of assessments for the Old Middleton Road and Craig Avenue Resurfacing Assessment District - 2021 at an estimated cost of \$8,999,860, including \$588,540.18 from assessments. The proposed work includes complete replacement of the existing pavement, sanitary sewer main, sewer laterals, and storm sewer. Sections of water main will be replaced as needed. Sections of curb, gutter, driveway aprons, and sidewalk will be replaced due to condition or as needed in order to replace a sanitary sewer lateral from the new main to the property line.

*Presentation by Girl Scout Troop #1477:*

Madison Girl Scout Troops #1477 & 1952 (6th & 2nd Grade) are working to raise awareness about the climate change significance of embodied carbon, or the carbon footprint of building materials and structures. The girls created a video with the help of concrete researchers and industry experts (<https://tinyurl.com/GirlScoutsforGreenConcrete>) and have been reaching out to both industry and government to encourage adoption of best practices for reducing embodied carbon, including using low-carbon concrete. The girls would like their home city of Madison to become a leader in this issue, and will be presenting examples of how other cities around the country are reducing their climate impact through public projects and procurement guidelines.

#### **January 19, 2022**

*Legistar 68974:*

Amending the 2022 Capital Budget, accepting the Lake Monona Waterfront - Design Challenge process and establishing a Lake Monona Waterfront Ad-hoc Committee.

The proposed resolution increases the Parks Division Capital Budget for Lake Monona Waterfront Improvements. The resolution also authorizes initiation of plan development for the Lake Monona Waterfront, including the release of a Request for Qualifications (RFQ) for a Master Plan Design Challenge. For the Design Challenge, each selected design team will receive a set-fee of \$75,000 for master plan development, with a maximum of three (3) teams participating in the competition. A Mayoral-appointed Ad-hoc Committee will review and recommend a preferred master plan option.

#### **February 16, 2022**

*Legistar 69829:*

City Electric Vehicles

A Requested Informational Presentation by City Staff related to vehicle electrification – current status and future plans. As part of the City's Plan to have net zero carbon emissions by 2030, vehicles are being transitioned to electric, starting with passenger vehicles in 2019 and some larger vehicles such as buses, fire engines and pickup trucks in 2021 and beyond. Electric vehicles typically have a higher initial purchase price, however, reduce emissions and also offer a lower cost of ownership. Some transitions have gone well – Passenger Vehicles, and others have had challenges – Buses, while some are still in the planning phase – BRT Buses. No action is required by the Board on this item.

**March 2, 2022***Legistar 69379:*

SUBSTITUTE - Creating Section 10.30 of the Madison General Ordinances to Create the Roadway Cafe Permit to Allow for the Expansion of Licensed Sidewalk Cafes into the Roadway, and Amending Sections 12.1425, 38.05(3)(e)1 and 1.08(3)(a) accordingly and 1.08(4) accordingly.

*Legistar 69380:*

SUBSTITUTE - Creating Section 9.135, Sidewalk Cafe and Roadway Cafe Expansion Licenses, to create a new Roadway Cafe Expansion License and make the Streatery program for sidewalk cafes permanent, creating Section 9.136, Street Vending on the State Street Mall/Capitol Concourse, repealing Section 9.13, License for Selling on Public Streets and recreating Section 9.13 as Street Vending Licenses, and amending Sections 9.12, 1.08(3)(a), and 1.08(4), accordingly.

*Legistar 69989:*

Adopting the Vision Zero Action Plan and directing staff to implement the recommendations in the plan.

This Vision Zero Action Plan outlines detailed strategies and actions aiming to eliminate all fatal and severe traffic crashes by 2035 based on: Safe Streets, Safe People, Safe Vehicles, Safety Data, and Safety Focused Enforcement.

**March 16, 2022***Legistar 70214:*

Approving plans and specifications for public improvements necessary for the project known as 3802 Regent Street - Capital High School and authorizing construction to be undertaken by the Developer, Private File No. 9163 (5th AD)

The Madison Metropolitan School District has received the City's conditional approval to convert the existing Hoyt School at 3802 Regent Street into the new Capital High School. As a condition of approval, new bus loading pads must be provided in order to serve the school with the requested Metro bus service. Concrete loading pad areas will be provided on both sides of Regent Street in the vicinity of the converted school.

**April 6, 2022***Legistar 70715:*

Approving Plans, Specifications, And Schedule Of Assessments For Hammersley Road Resurfacing Assessment District - 2022. (10th and 20th ADs)

Proposing to narrow the street to two, 10-ft travel lanes, reconstructing all north-side curb and constructing an off-street, multi-use path to accommodate both bikes & pedestrians. Remove left-turn from EB Hammersley onto NB Whitney Way to combine north-side medians into one larger median refuge - shortens and straightens path crossing and reduces potential conflicts, include RRFB.

*Legistar 70597:*

Approving a land sale and agreements with Dane County to sell and develop portions of the Yahara Hills Golf Course as a future landfill, compost site and sustainable business park, and entering into a new solid waste agreement.

Consistent with the recommendations of the Task Force on Municipal Golf, the City has determined that it is appropriate to make an approximately 232 acre portion of the east side of the Yahara Hills Golf Course for use by the County for a future landfill site. The County has preliminary plans to develop not just a new landfill on the Property, but a compost operation and a sustainable business park, with the intent to divert waste from the landfill and create local circular economies.

*Legistar 70618:*

Authorizing a noncompetitive contract with New Flyer industries for up to 46, potentially all electric, Bus Rapid Transit Vehicles and approving roadway geometry for the East-West Bus Rapid Transit project.

The Madison Bus Rapid Transit (BRT) will require the purchase of approximately up to forty-six (46) articulated sixty-foot buses with doors on both sides, with an order planned to be placed in 2022 and will be funded by Federal grant sources. Changes to the cross sections on downtown streets would generally provide adequate space for pedestrians on the sidewalks and terraces. Other changes would remove on-street parking and shift the through travel lanes to make room for floating BRT stations.

*Legistar 76262:*

Approving roadway geometry for the reconstruction of Lake Mendota Dr. from Baker Ave. to the City of Madison limits. (19th AD)

The City of Madison Engineering Division has completed a preliminary design which includes: reconstruction of Lake Mendota Dr. to include curb and gutter and a typical street width of 24 ft. to 26 ft. to accommodate two-way vehicle and bike travel on the street with parking allowed on one side, and to include sidewalks as shown the preliminary plan (on one side on the westerly and easterly ends, and on both sides in the middle section), along with traffic calming measures such as, but not limited, to bumpouts, traffic circles, and speed humps. Slight modifications may be made as part of the detailed projects.

**May 11, 2022**

*Legistar 71282:*

Approving Plans, Specifications, And Schedule Of Assessments For Lake Mendota Drive and Capital Avenue Assessment District - 2022. (19th AD)

The reconstruction of Lake Mendota Dr. from Baker Ave. to Epworth Ct. and Capital Ave from Lake Mendota Dr. to east end (Lake Mendota). The reconstruction work includes utility work (sanitary sewer, water main, and stormwater sewer), repaving the street, adding sidewalk, and replacing the gravel road on Capital Ave with new asphalt pavement.

*Legistar 71182 & 71186:*

Approving the 2022 Resource Recovery Special Charge

Approving the Resource Recovery Special Charge Policy

This special charge allows the City to shift some of the costs of the Street Division's curbside recycling program from the property tax levy to a special charge-supported program. The special charge will only recover the cost for services actually performed by the City, and the amount imposed may be adjusted throughout the year to account for greater or lesser expenditures.

**July 20, 2022**

*Legistar 72761:*

Approving plans and specifications and authorizing the Board of Public Works to advertise and receive bids for E-W Bus Rapid Transit Early Works Improvements and authorizing Traffic Engineering to initiate early procurement of long lead time items. (3rd, 4th, 6th, 12th, 15th, 17th AD).

The proposed resolution authorizes the Board of Public Works to advertise and receive bids for early improvements needed to implement the Bus Rapid Transit Project. This work incorporates curb and street work on East Washington Ave, utility relocations, signal modifications, and early procurement of long lead items for the Bus Rapid Transit system.

**August 17, 2022**

*Legistar 73148:*

Approving plans and specifications and authorizing the Board of Public Works to advertise and receive bids for E-W Bus Rapid Transit Main Bid Package. (1st, 3rd, 4th, 5th, 6th, 8th, 9th, 11th, 12th, 15th, 17th, 19th AD)

This work incorporates earthwork, curb and street work, station construction, utilities, communications, and other work necessary for implementation of the East West Bus Rapid Transit. The project spans from the west terminus on Junction and Mineral Pt Road and travels easterly through the Isthmus to the Sun Prairie Park and Ride.

*Presentation by Wisconsin Concrete Pavement Association*

Presentation reported on the current state of carbon reduction practices in the Wisconsin concrete industry. Included recommendations to municipalities for how to increase carbon reductions, particularly adopting the current WisDOT standards and specifications for concrete.

**September 21, 2022**

*Legistar 73771:*

Urban Forestry Task Force: Presentation

This presentation provided an update to the work the cross-divisional staff team accomplished since January 21, 2020 when Common Council accepted the Final Report of the Urban Forestry Task Force (UFTF) including the nearly 50 recommendations contained in the report. The presentation also included plans for next steps as well as cost estimates and updates.

*Legistar 73754:*

Awarding Public Works Contract No. 8691, East-West Bus Rapid Transit Early Works

The early works portion of the East-West Bus Rapid Transit project was successfully awarded.

**October 12, 2022**

*Legistar 74024:*

Approving and Adopting an Updated Policy for Assessing Street Improvements. (Citywide)

The current policy uses a defined percentage of the actual construction cost of a project to uniformly determine the special assessment to benefiting parcels. The updated policy creates an assessment rate that weights multiple factors to determine the unit cost. The policy goals for the updated method are described in the body.

**November 2, 2022**

*Legistar 74433:*

Approving plans and specifications for public improvements necessary for the project known as 4649 Verona Road and authorizing construction to be undertaken by the Developer, Private Contract No. 9231. (10th AD)

Contract 9231 is for the construction of public improvements to extend Atticus Way and serve the redevelopment at 4649 Verona Road by the developer, Summit Ridge Apartments, LLC. The developer will need to complete the pending CSM to dedicate the right-of-way necessary to extend Atticus Way along the north side of the project. Atticus Way will end in a cul-de-sac on the west end until the remainder of Atticus Way is completed by the City of Madison to make the connection with Red Arrow Trail. Public sidewalk for Atticus Way shall be constructed as approved by the Transportation Commission and the City Traffic Engineer.

*Legistar 74436:*

Complete Green Streets Study Presentation

Department of Transportation is developing a guide to assist in implementing Complete and Green Streets that provide connected networks for users of all transportation modes and integrate the needs for trees and green infrastructure. Staff will provide a brief overview of the draft guide including street types, modal networks, and green infrastructure decision-making.



**December 14, 2022**

*Legistar 74926:*

Approving Complete Green Streets Policy

This resolution approves a Complete Green Streets Policy to incorporate Complete Green Streets principles of street design for all modes of transportation into public way improvements and project phases.

**Street and Path Condition Report**

The City of Madison Engineering Division rates half of the paths and streets every year to maintain a comprehensive understanding of the condition of our pavements. The City uses the PASER rating system, a pavement management rating system developed by the University of Wisconsin Madison Transportation Information Center. The PASER system utilizes a scale of 1 to 10 with 10 being a new pavement and 1 being a poor pavement.

For an asphaltic and concrete streets, a 3 rated street requires reconstruction or resurfacing within the next few years. We have set the following goals for streets:

<b>Street Type</b>	<b>Percent of street miles at or below PASER rating of 5</b>
Arterial Street	15%
Collector Street	20%
Local Street	30%

Pedestrian and bike paths differs in that surface defects are less tolerable. A rating of 5 or below is ideally scheduled for resurfacing or reconstruction within the next few years.

The Condition Reports for Paths and Streets are attached below.

**City of Madison  
 Bike / Pedestrian Path Condition Report  
 for City Engineering Maintained Paths  
 As of December 31, 2022**

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<b>All Bike and Walking Paths:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Total Miles	69.20	70.22	70.11	71.50	70.56	70.39
Average Surface Year	2002	2003	2004	2004	2004	2005
Average Pavement Rating	7.69	7.78	7.39	7.51	7.70	7.48

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<b>All Paths by Class</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
<b>Bike Paths</b>						
<b>Arterial (ART)</b>						
Total Miles	27.15	27.85	26.70	25.38	27.90	25.05
Average Surface Year	2004	2005	2006	2006	2006	2007
Average Pavement Rating	7.79	7.93	7.44	7.57	7.77	7.73
<b>Secondary (SEC)</b>						
Total Miles	23.65	23.74	24.18	24.95	23.71	24.25
Average Surface Year	2001	2001	2001	2001	2002	2002
Average Pavement Rating	7.48	7.54	7.11	7.39	7.86	7.24
<b>Local (LOC)</b>						
Total Miles	7.70	7.91	8.56	10.50	8.33	10.48
Average Surface Year	2009	2010	2010	2010	2008	2010
Average Pavement Rating	8.73	8.81	8.35	8.03	7.82	7.78
<b>Sidewalks / Walking Paths (WALK)</b>						
Total Miles	10.70	10.72	10.67	10.67	10.61	10.61
Average Surface Year	1998	1999	1999	1999	1998	1999
Average Pavement Rating	7.14	7.14	7.10	7.11	7.10	7.10

**Inter-block Sidewalks (SWLK)**

**Inter-block sidewalks are not rated**

<b>Path Construction and Maint.</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
New Bike Path Construction total(miles)	0.24	1.38	0.86	2.97	1.65	1.74
Arterial	0.06	0.44	0.50	0.28	0.00	0.00
Secondary	0.00	0.68	0.00	2.69	1.65	1.74
Local	0.18	0.26	0.36	0.00	0.00	0.00
New Walking Path Construction (miles)	0.37		0.00	0.00	0.00	0.00
Reconstructed Bike Path (miles)	0.00		0.05	0.00	0.00	0.00
Arterial			0.05	0.00	0.00	0.00
Secondary				0.00	0.00	0.00
Local		0.07		0.00	0.00	0.00
Reconstructed Walking Path (miles)	0.52			0.00	0.00	0.00
Resurfaced Bike Path (miles)		0.09	1.28	1.22	0.77	2.52
Arterial						2.29
Secondary						0.23
Local						0.00
Resurfaced Walking Path (miles)						0.00
Resurfaced Inter-Block sidewalks (miles)				0.23	0.00	0.00
Crack Filled Bike Path (miles)						0.00
Crack Filled Walking Path (miles)						0.00
Seal Coated Bike Path (miles)						0.00
Seal Coated Walking Path (miles)						0.00
Removal (all)	0.06	0.35	0.07	0.00	0.00	0.24

**Summary Condition Analysis**

<b>All Paths</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
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**Note: Inter-block sidewalks are not rated. Therefore total miles here are the miles of paths rated.**

Total Miles	67.46	68.46	68.63	69.51	70.56	70.39
Miles Condition State 10	6.13	7.55	3.66	5.60	6.77	4.17
Miles Condition State 9	15.27	14.68	12.52	12.52	13.98	13.49
Miles Condition State 8	15.66	15.66	12.90	12.82	12.21	13.32
Miles Condition State 7	17.56	17.96	21.92	21.90	24.28	23.73
Miles Condition State 6	9.91	9.68	10.00	9.70	8.51	10.48
Miles Condition State 5	2.20	2.20	6.59	5.96	4.42	4.34
Miles Condition State 4	0.51	0.51	1.04	0.93	0.37	0.84
Miles Condition State 3					0.00	0.00
Miles Condition State 2					0.00	0.00
Miles Condition State 1					0.00	0.00
Miles Condition State 0	0.22	0.22	0.00	0.08	0.02	0.02

<b>Arterial Bike Paths</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Total Miles	26.84	27.54	26.70	25.15	27.90	25.05
Miles Condition State 10	2.08	2.61	2.12	2.02	2.14	3.21
Miles Condition State 9	5.67	5.67	4.46	4.46	6.39	4.71
Miles Condition State 8	5.84	5.84	3.74	3.28	3.76	3.62
Miles Condition State 7	9.85	10.25	10.39	10.00	11.02	9.79
Miles Condition State 6	3.40	3.17	3.03	2.79	2.82	2.73
Miles Condition State 5			2.87	2.51	1.78	0.99
Miles Condition State 4			0.09	0.09	0.00	0.00
Miles Condition State 3					0.00	0.00
Miles Condition State 2					0.00	0.00
Miles Condition State 1					0.00	0.00
Miles Condition State 0					0.00	0.00

<b>Secondary Bike Paths</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Total Miles	23.38	23.47	24.18	24.76	23.71	24.25
Miles Condition State 10	0.90	1.58	0.64	2.29	3.93	0.26
Miles Condition State 9	6.43	5.84	3.98	3.98	3.78	4.99
Miles Condition State 8	6.31	6.31	4.60	5.06	4.83	5.01
Miles Condition State 7	4.35	4.35	7.72	7.69	7.34	7.52
Miles Condition State 6	3.90	3.90	4.00	3.45	2.49	4.28
Miles Condition State 5	1.17	1.17	2.66	1.82	1.34	1.72
Miles Condition State 4	0.32	0.32	0.58	0.47	0.00	0.47
Miles Condition State 3	0.00	0.00	0.00	0.00	0.00	0.00
Miles Condition State 2	0.00	0.00	0.00	0.00	0.00	0.00
Miles Condition State 1	0.00	0.00	0.00	0.00	0.00	0.00
Miles Condition State 0	0.00	0.00	0.00	0.00	0.00	0.00
<b>Local Bike Paths</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Total Miles	6.72	6.93	7.50	9.50	8.33	10.48
Miles Condition State 10	2.51	2.72	0.67	0.83	0.47	0.47
Miles Condition State 9	2.16	2.16	2.73	2.73	2.55	2.54
Miles Condition State 8	0.93	0.93	2.69	2.61	1.75	2.82
Miles Condition State 7	0.61	0.61	0.90	1.30	2.57	3.07
Miles Condition State 6	0.32	0.32	0.32	0.73	0.49	0.74
Miles Condition State 5	0.00	0.00	0.00	0.65	0.32	0.65
Miles Condition State 4	0.19	0.19	0.19	0.65	0.19	0.19
Miles Condition State 3				0.00	0.00	0.00
Miles Condition State 2				0.00	0.00	0.00
Miles Condition State 1				0.00	0.00	0.00
Miles Condition State 0				0.00	0.00	0.00

<b>Walking Paths (WALK)</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Total Miles	10.20	10.20	10.15	10.15	10.61	10.61
Miles Condition State 10	0.64	0.64	0.23	0.23	0.23	0.23
Miles Condition State 9	1.01	1.01	1.35	1.35	1.26	1.25
Miles Condition State 8	2.48	2.48	1.77	1.77	1.87	1.87
Miles Condition State 7	2.75	2.75	2.91	2.91	3.35	3.35
Miles Condition State 6	2.29	2.29	2.65	2.73	2.72	2.73
Miles Condition State 5	1.03	1.03	1.06	0.98	0.97	0.98
Miles Condition State 4			0.18	0.18	0.18	0.18
Miles Condition State 3				0.00	0.00	0.00
Miles Condition State 2				0.00	0.00	0.00
Miles Condition State 1				0.00	0.00	0.00
Miles Condition State 0				0.00	0.02	0.02
<b>Inter-block Sidewalks (SWLK)</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>

*Inter-block sidewalks are not rated*

<b>All Paths</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Miles at or below Cond State 10	67.46	68.46	68.63	69.51	70.56	70.39
Miles at or below Cond State 9	61.33	60.91	64.97	63.91	63.79	66.22
Miles at or below Cond State 8	46.06	46.23	52.45	51.39	49.81	52.73
Miles at or below Cond State 7	30.40	30.57	39.55	38.57	37.60	39.41
Miles at or below Cond State 6	12.84	12.61	17.63	16.67	13.32	15.68
Miles at or below Cond State 5	2.93	2.93	7.63	6.97	4.81	5.20
Miles at or below Cond State 4	0.73	0.73	1.04	1.01	0.39	0.86
Miles at or below Cond State 3	0.22	0.22	0.00	0.08	0.02	0.02
Miles at or below Cond State 2	0.22	0.22	0.00	0.08	0.02	0.02
Miles at or below Cond State 1	0.22	0.22	0.00	0.08	0.02	0.02
Miles at or below Cond State 0	0.22	0.22	0.00	0.08	0.02	0.02

<b>All Paths</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
% Miles at or below Cond State 10	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
% Miles at or below Cond State 9	90.9%	89.0%	94.7%	91.9%	90.4%	94.1%
% Miles at or below Cond State 8	68.3%	67.5%	76.4%	73.9%	70.6%	74.9%
% Miles at or below Cond State 7	45.1%	44.7%	57.6%	55.5%	53.3%	56.0%
% Miles at or below Cond State 6	19.0%	18.4%	25.7%	24.0%	18.9%	22.3%
<b>% Miles at or below Cond State 5</b>	<b>4.3%</b>	<b>4.3%</b>	<b>11.1%</b>	<b>10.0%</b>	<b>6.8%</b>	<b>7.4%</b>
% Miles at or below Cond State 4	1.1%	1.1%	1.5%	1.5%	0.6%	1.2%
% Miles at or below Cond State 3	0.3%	0.3%	0.0%	0.1%	0.0%	0.0%
% Miles at or below Cond State 2	0.3%	0.3%	0.0%	0.1%	0.0%	0.0%
% Miles at or below Cond State 1	0.3%	0.3%	0.0%	0.1%	0.0%	0.0%
% Miles at or below Cond State 0	0.3%	0.3%	0.0%	0.1%	0.0%	0.0%

<b>Bike Paths - Arterial</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Miles at or below Cond State 10	26.84	27.54	26.70	25.15	27.90	25.05
Miles at or below Cond State 9	24.76	24.93	24.58	23.13	25.76	21.84
Miles at or below Cond State 8	19.09	19.26	20.12	18.67	19.38	17.13
Miles at or below Cond State 7	13.25	13.42	16.38	15.39	15.62	13.51
Miles at or below Cond State 6	3.40	3.17	5.99	5.39	4.60	3.72
Miles at or below Cond State 5	0.00	0.00	2.96	2.60	1.78	0.99
Miles at or below Cond State 4	0.00	0.00	0.09	0.09	0.00	0.00
Miles at or below Cond State 3	0.00	0.00	0.00	0.00	0.00	0.00
Miles at or below Cond State 2	0.00	0.00	0.00	0.00	0.00	0.00
Miles at or below Cond State 1	0.00	0.00	0.00	0.00	0.00	0.00
Miles at or below Cond State 0	0.00	0.00	0.00	0.00	0.00	0.00

<b>Bike Paths - Arterial</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
% Miles at or below Cond State 10	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
% Miles at or below Cond State 9	92.3%	90.5%	92.1%	92.0%	92.3%	87.2%
% Miles at or below Cond State 8	71.1%	69.9%	75.4%	74.2%	69.4%	68.4%
% Miles at or below Cond State 7	49.4%	48.7%	61.3%	61.2%	56.0%	53.9%
% Miles at or below Cond State 6	12.7%	11.5%	22.4%	21.4%	16.5%	14.9%
% Miles at or below Cond State 5	0.0%	0.0%	11.1%	10.3%	6.4%	4.0%
% Miles at or below Cond State 4	0.0%	0.0%	0.3%	0.4%	0.0%	0.0%
% Miles at or below Cond State 3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% Miles at or below Cond State 2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% Miles at or below Cond State 1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% Miles at or below Cond State 0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



<b>Bike Paths - Secondary</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Miles at or below Cond State 10	23.38	23.47	24.18	24.76	23.71	24.25
Miles at or below Cond State 9	22.48	21.89	23.54	22.47	19.79	23.99
Miles at or below Cond State 8	16.05	16.05	19.56	18.49	16.00	19.00
Miles at or below Cond State 7	9.74	9.74	14.96	13.43	11.17	13.99
Miles at or below Cond State 6	5.39	5.39	7.24	5.74	3.83	6.47
Miles at or below Cond State 5	1.49	1.49	3.24	2.29	1.34	2.19
Miles at or below Cond State 4	0.32	0.32	0.58	0.47	0.00	0.47
Miles at or below Cond State 3	0.00	0.00	0.00	0.00	0.00	0.00
Miles at or below Cond State 2	0.00	0.00	0.00	0.00	0.00	0.00
Miles at or below Cond State 1	0.00	0.00	0.00	0.00	0.00	0.00
Miles at or below Cond State 0	0.00	0.00	0.00	0.00	0.00	0.00

<b>Bike Paths - Secondary</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
% Miles at or below Cond State 10	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
% Miles at or below Cond State 9	96.2%	93.3%	97.4%	90.8%	83.4%	98.9%
% Miles at or below Cond State 8	68.6%	68.4%	80.9%	74.7%	67.5%	78.4%
% Miles at or below Cond State 7	41.7%	41.5%	61.9%	54.2%	47.1%	57.7%
% Miles at or below Cond State 6	23.1%	23.0%	29.9%	23.2%	16.1%	26.7%
% Miles at or below Cond State 5	6.4%	6.3%	13.4%	9.2%	5.7%	9.0%
% Miles at or below Cond State 4	1.4%	1.4%	2.4%	1.9%	0.0%	1.9%
% Miles at or below Cond State 3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% Miles at or below Cond State 2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% Miles at or below Cond State 1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% Miles at or below Cond State 0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

<b>Bike Paths - Local</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Miles at or below Cond State 10	6.72	6.93	7.50	9.50	8.33	10.48
Miles at or below Cond State 9	4.21	4.21	6.83	8.67	7.86	10.01
Miles at or below Cond State 8	2.05	2.05	4.10	5.94	5.32	7.47
Miles at or below Cond State 7	1.12	1.12	1.41	3.33	3.57	4.65
Miles at or below Cond State 6	0.51	0.51	0.51	2.03	1.00	1.58
Miles at or below Cond State 5	0.19	0.19	0.19	1.30	0.51	0.84
Miles at or below Cond State 4	0.19	0.19	0.19	0.65	0.19	0.19
Miles at or below Cond State 3	0.00	0.00	0.00	0.00	0.00	0.00
Miles at or below Cond State 2	0.00	0.00	0.00	0.00	0.00	0.00
Miles at or below Cond State 1	0.00	0.00	0.00	0.00	0.00	0.00
Miles at or below Cond State 0	0.00	0.00	0.00	0.00	0.00	0.00

<b>Bike Paths - Local</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
% Miles at or below Cond State 10	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
% Miles at or below Cond State 9	62.6%	60.8%	91.1%	91.3%	94.4%	95.5%
% Miles at or below Cond State 8	30.5%	29.6%	54.7%	62.5%	63.8%	71.3%
% Miles at or below Cond State 7	16.7%	16.2%	18.8%	35.1%	42.8%	44.4%
% Miles at or below Cond State 6	7.6%	7.4%	6.8%	21.4%	12.0%	15.1%
% Miles at or below Cond State 5	2.8%	2.7%	2.5%	13.7%	6.1%	8.0%
% Miles at or below Cond State 4	2.8%	2.7%	2.5%	6.8%	2.3%	1.8%
% Miles at or below Cond State 3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% Miles at or below Cond State 2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% Miles at or below Cond State 1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% Miles at or below Cond State 0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

<b>Walking Paths</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Miles at or below Cond State 10	10.20	10.20	10.15	10.15	10.61	10.61
Miles at or below Cond State 9	9.56	9.56	9.92	9.92	10.38	10.38
Miles at or below Cond State 8	8.55	8.55	8.57	8.57	9.12	9.13
Miles at or below Cond State 7	6.07	6.07	6.80	6.80	7.25	7.26
Miles at or below Cond State 6	3.32	3.32	3.89	3.89	3.89	3.91
Miles at or below Cond State 5	1.03	1.03	1.24	1.16	1.18	1.18
Miles at or below Cond State 4	0.00	0.00	0.18	0.18	0.20	0.20
Miles at or below Cond State 3	0.00	0.00	0.00	0.00	0.02	0.02
Miles at or below Cond State 2	0.00	0.00	0.00	0.00	0.02	0.02
Miles at or below Cond State 1	0.00	0.00	0.00	0.00	0.02	0.02
Miles at or below Cond State 0	0.00	0.00	0.00	0.00	0.02	0.02

<b>Walking Paths</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
% Miles at or below Cond State 10	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
% Miles at or below Cond State 9	93.7%	93.7%	97.7%	97.7%	97.8%	97.8%
% Miles at or below Cond State 8	83.8%	83.8%	84.4%	84.4%	85.9%	86.1%
% Miles at or below Cond State 7	59.5%	59.5%	67.0%	67.0%	68.3%	68.4%
% Miles at or below Cond State 6	32.5%	32.5%	38.3%	38.3%	36.7%	36.9%
% Miles at or below Cond State 5	10.1%	10.1%	12.2%	11.4%	11.1%	11.1%
% Miles at or below Cond State 4	0.0%	0.0%	1.8%	1.8%	1.9%	1.9%
% Miles at or below Cond State 3	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%
% Miles at or below Cond State 2	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%
% Miles at or below Cond State 1	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%
% Miles at or below Cond State 0	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%

<b>Inter-block Sidewalks (SWLK)</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
		<i>Not Rated</i>				

**City of Madison**  
**Street Condition Report**  
**Streets Within and Maintained by City of Madison**  
**As of December 31, 2022**

<b>All Streets:</b>	<b>2001</b>	<b>2010</b>	<b>2015</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Total Miles	682.38	769.14	784.78	798.15	800.41	802.08	807.76	812.58
Total Lane Miles		1717.91	1752.04	1779.15	1781.79	1785.04	1796.14	1805.27
Average Surface Year	1982	1991	1994	1996	1996	1997	1998	1998
Average Curb Rating	6.86	7.19	7.28	7.36	7.43	7.41	7.38	7.43
Average Pavement Rating	6.53	6.90	6.64	6.59	6.77	6.47	6.67	6.99
<hr/>								
<b>All Streets by Class</b>	<b>2001</b>	<b>2010</b>	<b>2015</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
<b>Arterial Streets</b>								
Total Miles	75.21	93.35	95.16	99.50	96.29	95.67	96.06	95.97
Total Lane Miles		312.57	325.74	334.92	326.95	324.86	325.73	325.51
Average Surface Year	1986	1996	2002	2003	2004	2005	2005	2006
Average Curb Rating	7.64	7.37	7.60	7.68	7.71	7.68	7.61	7.69
Average Pavement Rating	6.85	7.32	6.90	6.79	7.02	6.57	6.78	7.11
<b>Collector Streets</b>								
Total Miles	153.99	166.48	169.38	171.83	172.55	171.88	173.30	173.57
Total Lane Miles		376.79	380.66	385.96	387.48	387.33	390.18	390.72
Average Surface Year	1987	1996	2001	2002	2002	2003	2003	2004
Average Curb Rating	7.05	7.42	7.60	7.64	7.70	7.68	7.58	7.60
Average Pavement Rating	6.80	7.08	6.84	6.68	6.84	6.52	6.67	6.95
<b>Local Streets</b>								
Total Miles	453.18	509.31	520.24	526.81	531.57	534.61	538.40	543.03
Total Lane Miles		1028.54	1045.64	1058.27	1067.36	1072.85	1080.23	1089.04
Average Surface Year	1980	1988	1992	1993	1994	1994	1995	1995
Average Curb Rating	6.67	7.09	7.12	7.20	7.29	7.28	7.28	7.33
Average Pavement Rating	6.39	6.76	6.53	6.52	6.70	6.44	6.65	6.99
<hr/>								
<b>Street Construction and Maint.</b>	<b>2001</b>	<b>2010</b>	<b>2015</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
New Street Construction (miles)	11.31	1.14	4.74	4.35	4.81	4.54	4.41	4.47
Annexed Streets								
Full Street Annexed (miles)	2.42	0.00	2.81	0.10	0.17	0.16	3.01	0.00
Half Street Annexed (miles) *	5.16	0.06	1.52	0.25	0.48	0.21	1.80	0.62
Vacated Streets								
With Improved Roadway (miles)	0.17	0.00	0.05	0.18	0.38	0.00	0.08	0.05
Without Improved Roadway (miles)	0.46	0.00	5.79	0.48	1.31	0.80	0.15	0.28
Detached Streets								
Full Street		0.00	0.06	0.00	0.00	0.00	0.00	
Reconstructed Streets (miles)	5.74	9.90	6.82	5.39	4.29	7.13	3.17	2.71
Resurfaced Streets (miles)	8.14	18.25	11.09	6.65	7.37	13.35	5.03	4.71
Concrete Pavement Rehab Streets (miles)	1.65	0.00	0.00	0.00	0.00	1.61	0.00	0.00
Crack Filled Streets (miles)	64.71	58.84	130.31	45.93	40.17	89.49	86.09	58.90
Seal Coated Streets (miles)		53.68	45.75	52.24	55.10	77.21	82.31	140.77
With Curb and Gutter		44.08	40.66	47.54	50.18	73.66	78.06	135.49
Without Curb and Gutter		9.60	5.09	4.70	4.92	3.55	4.25	5.28

**Summary Condition Analysis Arterial, Collector and Local Streets**

<b>Arterial, Collector and Local</b>	<b>2001</b>	<b>2010</b>	<b>2015</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Total Miles	668.25	769.14	784.87	798.39	801.03	802.49	807.76	814.39
Miles Condition State 10	36.83	19.88	18.19	25.51	42.09	32.19	21.93	35.60
Miles Condition State 9	45.36	57.90	33.65	22.83	22.85	24.94	30.20	30.04
Miles Condition State 8	151.97	281.84	246.23	264.94	320.68	116.17	249.85	370.01
Miles Condition State 7	51.81	121.86	167.25	129.40	70.21	273.17	170.22	91.10
Miles Condition State 6	168.04	95.66	126.26	143.52	146.65	150.98	144.95	124.39
Miles Condition State 5	152.10	142.27	80.18	89.85	89.28	99.86	91.82	79.32
Miles Condition State 4	50.44	44.67	92.03	96.15	86.00	85.56	80.83	68.44
Miles Condition State 3	7.28	5.07	20.48	25.09	22.02	18.78	16.45	13.38
Miles Condition State 2	0.40	0.00	0.52	0.84	0.67	0.52	1.33	0.29
Miles Condition State 1	1.79	0.00	0.00	0.00	0.00	0.00	0.18	0.00
Miles Condition State 0	2.25	0.00	0.09	0.25	0.57	0.34	0.00	1.81

<b>Arterial</b>	<b>2001</b>	<b>2010</b>	<b>2015</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Total Miles	74.71	93.35	95.16	99.49	96.29	95.67	96.05	95.97
Miles Condition State 10	1.28	7.50	1.95	2.19	4.75	4.66	2.51	5.97
Miles Condition State 9	8.41	14.34	7.79	4.17	4.17	2.16	5.34	5.34
Miles Condition State 8	21.35	27.68	31.71	39.65	46.40	13.32	32.62	41.25
Miles Condition State 7	9.09	17.52	17.70	15.85	5.84	36.66	17.26	10.88
Miles Condition State 6	17.13	11.54	18.46	11.47	11.46	14.36	13.55	12.16
Miles Condition State 5	15.93	7.23	10.75	17.38	17.05	16.30	16.91	14.59
Miles Condition State 4	1.14	6.75	4.49	6.34	5.08	7.15	6.69	5.16
Miles Condition State 3	0.00	0.79	2.31	2.44	1.54	1.06	1.08	0.62
Miles Condition State 2	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00
Miles Condition State 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Miles Condition State 0	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Collector</b>	<b>2001</b>	<b>2010</b>	<b>2015</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Total Miles	144.53	166.48	169.39	171.87	172.92	172.21	173.28	174.08
Miles Condition State 10	8.37	5.10	6.15	5.64	8.39	6.74	5.20	6.08
Miles Condition State 9	11.73	13.25	9.43	6.34	6.32	5.59	3.49	3.45
Miles Condition State 8	40.23	67.38	54.21	54.21	66.45	25.63	53.02	81.22
Miles Condition State 7	13.96	26.80	33.49	29.52	17.30	54.10	35.43	18.91
Miles Condition State 6	30.09	21.80	34.10	36.51	37.56	37.07	37.05	28.31
Miles Condition State 5	31.47	24.28	16.57	22.05	20.49	28.56	25.09	22.22
Miles Condition State 4	8.28	6.58	10.47	12.10	11.27	11.49	11.17	10.74
Miles Condition State 3	0.34	1.29	4.97	5.47	4.77	2.69	2.79	2.62
Miles Condition State 2	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
Miles Condition State 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Miles Condition State 0	0.07	0.00	0.00	0.03	0.37	0.34	0.00	0.53
<b>Local</b>	<b>2001</b>	<b>2010</b>	<b>2015</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Total Miles	449.01	509.31	520.33	527.03	531.81	534.62	538.40	544.33
Miles Condition State 10	27.18	7.27	10.08	17.68	28.95	20.79	14.20	23.55
Miles Condition State 9	25.22	30.31	16.43	12.31	12.36	17.19	21.37	21.25
Miles Condition State 8	90.39	186.77	160.31	171.08	207.83	77.21	164.20	247.54
Miles Condition State 7	28.76	77.55	116.06	84.03	47.07	182.41	117.54	61.31
Miles Condition State 6	120.82	62.31	73.70	95.53	97.63	99.55	94.35	83.92
Miles Condition State 5	104.70	110.77	52.86	50.43	51.73	55.00	49.82	42.51
Miles Condition State 4	41.02	31.35	77.07	77.72	69.65	66.92	62.96	52.54
Miles Condition State 3	6.94	2.99	13.21	17.18	15.72	15.03	12.57	10.14
Miles Condition State 2	0.40	0.00	0.52	0.84	0.67	0.52	1.21	0.29
Miles Condition State 1	1.79	0.00	0.00	0.00	0.00	0.00	0.18	0.00
Miles Condition State 0	1.82	0.00	0.09	0.23	0.20	0.00	0.00	1.28

<b>Arterial, Collector and Local</b>	<b>2001</b>	<b>2010</b>	<b>2015</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Miles at or below Cond State 10	668.27	769.15	784.87	798.39	801.03	802.49	807.76	814.39
Miles at or below Cond State 9	631.44	749.27	766.69	772.88	758.94	770.30	785.83	778.79
Miles at or below Cond State 8	586.08	691.37	733.04	750.05	736.09	745.36	755.63	748.74
Miles at or below Cond State 7	434.11	409.53	486.80	485.12	415.41	629.20	505.79	378.74
Miles at or below Cond State 6	382.30	287.67	319.56	355.71	345.20	356.03	335.57	287.63
Miles at or below Cond State 5	214.26	192.01	193.30	212.19	198.55	205.05	190.62	163.24
Miles at or below Cond State 4	62.16	49.75	113.12	122.34	109.26	105.20	98.80	83.92
Miles at or below Cond State 3	11.72	5.07	21.09	26.19	23.26	19.64	17.97	15.48
Miles at or below Cond State 2	4.44	0.00	0.61	1.10	1.24	0.86	1.52	2.10
Miles at or below Cond State 1	4.04	0.00	0.09	0.25	0.57	0.34	0.19	1.81
Miles at or below Cond State 0	2.25	0.00	0.09	0.25	0.57	0.34	0.00	1.81

<b>Arterial, Collector and Local</b>	<b>2001</b>	<b>2010</b>	<b>2015</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
% Miles at or below Cond State 10	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
% Miles at or below Cond State 9	94.5%	97.4%	97.7%	96.8%	94.7%	96.0%	97.3%	95.6%
% Miles at or below Cond State 8	87.7%	89.9%	93.4%	93.9%	91.9%	92.9%	93.5%	91.9%
% Miles at or below Cond State 7	65.0%	53.2%	62.0%	60.8%	51.9%	78.4%	62.6%	46.5%
% Miles at or below Cond State 6	57.2%	37.4%	40.7%	44.6%	43.1%	44.4%	41.5%	35.3%
<b>Goal 26%</b> % Miles at or below Cond State 5	<b>32.1%</b>	<b>25.0%</b>	<b>24.6%</b>	<b>26.6%</b>	<b>24.8%</b>	<b>25.6%</b>	<b>23.6%</b>	<b>20.0%</b>
% Miles at or below Cond State 4	9.3%	6.5%	14.4%	15.3%	13.6%	13.1%	12.2%	10.3%
% Miles at or below Cond State 3	1.8%	0.7%	2.7%	3.3%	2.9%	2.4%	2.2%	1.9%
% Miles at or below Cond State 2	0.7%	0.0%	0.1%	0.1%	0.2%	0.1%	0.2%	0.3%
% Miles at or below Cond State 1	0.6%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.2%
% Miles at or below Cond State 0	0.3%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.2%

<b>Arterial</b>	<b>2001</b>	<b>2010</b>	<b>2015</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Miles at or below Cond State 10	74.69	93.35	95.16	99.49	96.29	95.67	96.05	95.97
Miles at or below Cond State 9	73.41	85.85	93.21	97.30	91.54	91.01	93.54	90.00
Miles at or below Cond State 8	65.00	71.51	85.42	93.13	87.37	88.85	88.20	84.66
Miles at or below Cond State 7	43.65	43.83	53.71	53.48	40.97	75.53	55.58	43.41
Miles at or below Cond State 6	34.56	26.31	36.01	37.63	35.13	38.87	38.32	32.53
Miles at or below Cond State 5	17.43	14.77	17.55	26.16	23.67	24.51	24.77	20.37
Miles at or below Cond State 4	1.50	7.54	6.80	8.78	6.62	8.21	7.86	5.78
Miles at or below Cond State 3	0.36	0.79	2.31	2.44	1.54	1.06	1.17	0.62
Miles at or below Cond State 2	0.36	0.00	0.00	0.00	0.00	0.00	0.09	0.00
Miles at or below Cond State 1	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Miles at or below Cond State 0	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00

<b>Arterial</b>	<b>2001</b>	<b>2010</b>	<b>2015</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
% Miles at or below Cond State 10	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
% Miles at or below Cond State 9	98.3%	92.0%	98.0%	97.8%	95.1%	95.1%	97.4%	93.8%
% Miles at or below Cond State 8	87.0%	76.6%	89.8%	93.6%	90.7%	92.9%	91.8%	88.2%
% Miles at or below Cond State 7	58.4%	47.0%	56.4%	53.8%	42.5%	78.9%	57.9%	45.2%
% Miles at or below Cond State 6	46.3%	28.2%	37.8%	37.8%	36.5%	40.6%	39.9%	33.9%
Goal 15% % Miles at or below Cond State 5	23.3%	15.8%	18.4%	26.3%	24.6%	25.6%	25.8%	21.2%
% Miles at or below Cond State 4	2.0%	8.1%	7.1%	8.8%	6.9%	8.6%	8.2%	6.0%
% Miles at or below Cond State 3	0.5%	0.8%	2.4%	2.5%	1.6%	1.1%	1.2%	0.6%
% Miles at or below Cond State 2	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
% Miles at or below Cond State 1	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% Miles at or below Cond State 0	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



<b>Collector</b>	<b>2001</b>	<b>2010</b>	<b>2015</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Miles at or below Cond State 10	144.54	166.48	169.39	171.87	172.92	172.21	173.28	174.08
Miles at or below Cond State 9	136.17	161.38	163.24	166.23	164.53	165.47	168.08	168.00
Miles at or below Cond State 8	124.44	148.13	153.81	159.89	158.21	159.88	164.59	164.55
Miles at or below Cond State 7	84.21	80.75	99.60	105.68	91.76	134.25	111.57	83.33
Miles at or below Cond State 6	70.25	53.95	66.11	76.16	74.46	80.15	76.14	64.42
Miles at or below Cond State 5	40.16	32.15	32.01	39.65	36.90	43.08	39.09	36.11
Miles at or below Cond State 4	8.69	7.87	15.44	17.60	16.41	14.52	14.00	13.89
Miles at or below Cond State 3	0.41	1.29	4.97	5.50	5.14	3.03	2.83	3.15
Miles at or below Cond State 2	0.07	0.00	0.00	0.03	0.37	0.34	0.04	0.53
Miles at or below Cond State 1	0.07	0.00	0.00	0.03	0.37	0.34	0.00	0.53
Miles at or below Cond State 0	0.07	0.00	0.00	0.03	0.37	0.34	0.00	0.53

<b>Collector</b>	<b>2001</b>	<b>2010</b>	<b>2015</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
% Miles at or below Cond State 10	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
% Miles at or below Cond State 9	94.2%	96.9%	96.4%	96.7%	95.1%	96.1%	97.0%	96.5%
% Miles at or below Cond State 8	86.1%	89.0%	90.8%	93.0%	91.5%	92.8%	95.0%	94.5%
% Miles at or below Cond State 7	58.3%	48.5%	58.8%	61.5%	53.1%	78.0%	64.4%	47.9%
% Miles at or below Cond State 6	48.6%	32.4%	39.0%	44.3%	43.1%	46.5%	43.9%	37.0%
Goal 20% % Miles at or below Cond State 5	27.8%	19.3%	18.9%	23.1%	21.3%	25.0%	22.6%	20.7%
% Miles at or below Cond State 4	6.0%	4.7%	9.1%	10.2%	9.5%	8.4%	8.1%	8.0%
% Miles at or below Cond State 3	0.3%	0.8%	2.9%	3.2%	3.0%	1.8%	1.6%	1.8%
% Miles at or below Cond State 2	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.0%	0.3%
% Miles at or below Cond State 1	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.0%	0.3%
% Miles at or below Cond State 0	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.0%	0.3%

<b>Local</b>	<b>2001</b>	<b>2010</b>	<b>2015</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Miles at or below Cond State 10	449.04	509.32	520.33	527.03	531.81	534.62	538.40	544.33
Miles at or below Cond State 9	421.86	502.05	510.25	509.35	502.86	513.83	524.20	520.78
Miles at or below Cond State 8	396.64	471.74	493.82	497.04	490.50	496.64	502.83	499.53
Miles at or below Cond State 7	306.25	284.97	333.51	325.96	282.67	419.43	338.63	251.99
Miles at or below Cond State 6	277.49	207.42	217.45	241.93	235.60	237.02	221.09	190.68
Miles at or below Cond State 5	156.67	145.11	143.75	146.40	137.97	137.47	126.74	106.76
Miles at or below Cond State 4	51.97	34.34	90.89	95.97	86.24	82.47	76.92	64.25
Miles at or below Cond State 3	10.95	2.99	13.82	18.25	16.59	15.55	13.96	11.71
Miles at or below Cond State 2	4.01	0.00	0.61	1.07	0.87	0.52	1.39	1.57
Miles at or below Cond State 1	3.61	0.00	0.09	0.23	0.20	0.00	0.18	1.28
Miles at or below Cond State 0	1.82	0.00	0.09	0.23	0.20	0.00	0.00	1.28

<b>Local</b>	<b>2001</b>	<b>2010</b>	<b>2015</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
% Miles at or below Cond State 10	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
% Miles at or below Cond State 9	93.9%	98.6%	98.1%	96.6%	94.6%	96.1%	97.4%	95.7%
% Miles at or below Cond State 8	88.3%	92.6%	94.9%	94.3%	92.2%	92.9%	93.4%	91.8%
% Miles at or below Cond State 7	68.2%	56.0%	64.1%	61.8%	53.2%	78.5%	62.9%	46.3%
% Miles at or below Cond State 6	61.8%	40.7%	41.8%	45.9%	44.3%	44.3%	41.1%	35.0%
Goal 30% % Miles at or below Cond State 5	34.9%	28.5%	27.6%	27.8%	25.9%	25.7%	23.5%	19.6%
% Miles at or below Cond State 4	11.6%	6.7%	17.5%	18.2%	16.2%	15.4%	14.3%	11.8%
% Miles at or below Cond State 3	2.4%	0.6%	2.7%	3.5%	3.1%	2.9%	2.6%	2.2%
% Miles at or below Cond State 2	0.9%	0.0%	0.1%	0.2%	0.2%	0.1%	0.3%	0.3%
% Miles at or below Cond State 1	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
% Miles at or below Cond State 0	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%



Chris Petykowski as  
Acting Executive Secretary