

CITY OF MADISON

ANNUAL REPORT

BOARD OF PUBLIC WORKS

2021

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 2020, the members of the Board were as follows:

Chairman/Engineering Background: Michael Cullen
Aldersperson: Ald. Gary Halverson (4/20 – 12/31) and Ald. Keith Furman (1/1 - 4/19)
Aldersperson: Ald. Grant Foster (4/20) – (12/31) and Ald. Tag Evers (1/1) – (4/19)
First Alternate Adult City Resident: Aaron Williams
Second Alternate Adult City Resident: Maria Delestre (1/1 – 10/21)
Mayor Designee: Vacant
Adult City Resident: David J. Branson
Adult City Resident: Valse Adams
Adult City Resident: Joe Clausius
Executive Secretary: Robert F. Phillips

During 2021, the Board of Public Works was convened for 22 meetings of which 13 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

<u>Contract No.</u>	<u>Contract Name</u>
8987	Annual Construction & Reconstruction of Concrete Sidewalk & Incidental Concrete Curb & Gutter Work Ordered (District 14) by the Common Council.

(MULTIPLE BIDS RECEIVED) – ALL BIDS REJECTED

<u>Contract No.</u>	<u>Contract Name</u>
8997	Well 18 Treatment <i>(2 bids received, but single prequalified bidder - did not open, contract rebid)</i>

REJECTED/REBID – “NO/SINGLE” BIDS

<u>Contract No.</u>	<u>Contract Name</u>
8961	Madison Public Library Lighting – Hawthorne <i>(single bid, bid not opened)</i>
8600	Madison Public Library Lighting – Meadowridge <i>(single bid, bid not opened)</i>
8604	Madison Public Library Lighting – Sequoya <i>(single bid, bid not opened)</i>
8593	Solar PV – MPD Training & MPD East <i>(No bids)</i>
8878	Thurber Lift Station <i>(No bids)</i>
9004	Fire Station 10 Retaining Wall Reconstruction <i>(single bid, bid not opened)</i>

Contract Bidding Summary (2017-2021)

All Awarded contracts [includes contracts rebid]	Year	2017	2018	2019	2020	2021
	Number of contracts	91	76	70	61	64
	Value of contracts (Millions)	\$139,080,414.61	\$93,530,037.93	\$113,605,700.22	\$43,996,661.08	\$65,016,806.39
	Total number of bidders	278	211	206	196	223
	Average number of bidders per contract	3.05	2.78	2.94	3.21	3.48
	High number of bids per contract	7	6	8	7	6
	Low number of bids per contract	1	1	1	1	1
	Number of contracts with 3 or more bids	58	41	41	36	44
	Number of contracts with 2 bids	26	21	20	21	19
	Number of contracts with 1 bid	7	14	9	4	1

All Contracts Bid	Year	2017	2018	2019	2020	2021
	Total number of contracts bid	109	88	85	69	71
	Total number of bids	304	227	225	208	229
	Average number of bidders per contract	2.79	2.58	2.65	3.01	3.23
	High number of bids per contract	7	6	8	7	6
	Low number of bids per contract	0	0	0	1	0
	Number of contracts with 3 or more bids	61	44	43	37	44
	Number of contracts with 2 bids	30	21	23	23	20
	Number of contracts with 1 bid	16	20	16	9	5
	Number of contracts with no bids	2	3	3	0	2

All Contracts Bid Except Facilities Contracts	Year	2017	2018	2019	2020	2021
	Total number of contracts bid	75	67	63	56	53
	Total number of bids	224	165	176	169	178
	Average number of bidders per contract	2.99	2.46	2.79	3.02	3.26
	High number of bids per contract	6	6	6	7	6
	Low number of bids per contract	0	0	1	1	0
	Number of contracts with 3 or more bids	48	31	37	31	36
	Number of contracts with 2 bids	19	17	17	19	15
	Number of contracts with 1 bid	7	17	9	6	1
	Number of contracts with no bids	1	2	0	0	1

All Facilities Contracts Bid	Year	2017	2018	2019	2020	2021
	Total number of contracts bid	34	21	22	13	18
	Total number of bids	80	62	49	39	51
	Average number of bidders per contract	2.35	2.95	2.23	3.00	2.83
	High number of bids per contract	7	6	8	6	6
	Low number of bids per contract	0	0	0	1	0
	Number of contracts with 3 or more bids	13	13	6	6	8
	Number of contracts with 2 bids	11	4	6	4	5
	Number of contracts with 1 bid	9	3	7	3	4
	Number of contracts with no bids	1	1	3	0	1

Manual Bids for All Contract Bid	Year	2017	2018	2019	2020	2021
	Total number of manual bids	49	50	35	25	33
	Total number of bids	304	227	225	208	229
	Percent manual bids	16.12	22.03	15.56	12.02	14.41
	Total number of contracts bid	109	88	85	69	71
	Number of contracts with a manual bid	34	28	21	15	18
	Percent of contracts with a manual bid	31.19	31.82	24.71	21.74	25.35
	Number of companies submitting a manual bid	29	29	21	20	20

BOARD OF PUBLIC WORKS, CITY OF MADISON

PUBLIC WORKS CONTRACTS AWARDED IN 2021

Contract No.	Date	Contract Name	Type	Contractor	Contract Amount	No. of Bidders	Engineer's Estimate	Percent of Bid to Estimate	
8480	5-Jan	Tenney Park Lagoon Biostabilization	L	Parks	Tallgrass Restoration, LLC	\$81,586.73	4	\$100,000.00	82%
8498	5-Jan	Rockstream Drive Assessment District - 2020	S&H	Streets	S&L Underground, Inc.	\$1,714,494.97	5	\$1,986,720.50	86%
8503	5-Jan	Dunning Street, Jackson Street and LaFollette Avenue	S&H	Streets	R. G. Huston Co., Inc.	\$3,027,811.65	4	\$4,034,805.00	75%
8985	5-Jan	Street End Repairs - S Brearly Street	L	Storm	Greener Valley Landscaping, Inc.	\$36,920.00	4	\$38,530.00	96%
8996	19-Jan	Heim Building AC Replacement	M	Fac&Sust.	Hooper Corporation	\$105,400.00	2	\$90,000.00	117%
8504	23-Feb	Cedar Street Assessment District - 2021 & South Street, High Street, and West Wingra Drive AD - 2021	S&H	Streets	Speedway Sand & Gravel, Inc.	\$3,925,864.65	4	\$4,403,705.63	89%
9006	23-Feb	Well 18 Treatment	W	Water	Midwest Well Services, Inc. dba Municipal Well & Pump	\$161,519.00	3	\$160,000.00	101%
9007	2-Mar	Madison Public Library Lighting - Hawthorne	M	Fac&Sust.	1901 Inc.	\$67,532.00	6	\$80,000.00	84%
8572	16-Mar	Garver Path&Starkweather Drive AD-2021 (multi-use path	S&H	Streets	Janke General Contractors, Inc.	\$2,619,451.45	6	\$2,500,000.00	105%
8578	16-Mar	South Park Street Concrete Pavement Repairs - 2021	S&H	Fac&Sust.	C.P.R., Inc.	\$1,397,732.50	6	\$2,200,000.00	64%
8984	16-Mar	Metro Masonry Repairs	M	Fac&Sust.	Masonry Restoration, Inc.	\$356,890.00	6	\$420,000.00	85%
8988	16-Mar	Resurfacing '21 - Curb & Gutter and Castings	P	Streets	Raymond P. Cattell, Inc.	\$817,930.50	2	\$900,000.00	91%
8989	16-Mar	Resurfacing '21- Pavement Pulverizing, Milling & Paving	P	Streets	Payne & Dolan, Inc.	\$1,933,659.80	3	\$2,100,000.00	92%
8990	16-Mar	Resurfacing '21- Base Patching & Base Patch Grinding	P	Streets	Tri-County Paving, Inc.	\$773,470.00	4	\$860,000.00	90%
9429	16-Mar	Mall/Concourse Maint. Protective Flooring Replacement	M	Fac&Sust.	Southern Wisconsin Construction LLC	\$52,211.00	4	\$75,000.00	70%
8960	30-Mar	Ashman Library Lighting Upgrade	M	Fac&Sust.	The Bauen Group LLC	\$89,900.00	5	\$140,000.00	64%
8987	30-Mar	Annual Constr/Recon Sidewalk/C&G Ord (D14) CC	S&H	Sidewalk	Raymond P. Cattell, Inc.	\$1,420,898.00	1	\$1,465,000.00	97%
8991	30-Mar	Annual Horiz. Sawcut Conc SW/Incidental Work (D13) '21	S&H	Sidewalk	Southern Wisconsin Construction LLC	\$87,272.50	4	\$119,000.00	73%
9440	30-Mar	CIPP Wet Lining Rehab of Sanitary Sewers - 2021	S&W	Sewer	Insituform Technologies USA, LLC	\$1,044,330.20	4	\$1,117,955.00	93%
9446	30-Mar	2021 Tennis and Basketball Court Resurfacings	P	Parks	Fahrner Asphalt Sealers, L.L.C.	\$55,927.30	2	\$62,565.00	89%
8986	20-Apr	Annual Constr/Recon Sidewalk/C&G Ord (D13) CC	S&H	Sidewalk	Raymond P. Cattell, Inc.	\$1,299,230.00	3	\$1,250,000.00	104%
9014	20-Apr	Annual Horiz. Sawcut Conc SW/Incidental Work (D14) '21	S&H	Sidewalk	Universal Concrete Grinding, LLC	\$62,275.74	2	\$92,000.00	68%
8579	4-May	Repairing & Sealing Pavement Cracks-Local Streets 2021	S&H	Streets	Thunder Road LLC	\$81,575.00	3	\$180,000.00	45%
8580	4-May	Repairing & Sealing Pavement Cracks-Major Streets 2021	S&H	Streets	Thunder Road LLC	\$139,150.00	3	\$195,000.00	71%
8581	4-May	Chip Sealing 2021 - East	P	Streets	Scott Construction Inc.	\$2,386,677.64	2	\$3,020,000.00	79%
8582	4-May	Chip Sealing 2021 - West	P	Streets	Scott Construction Inc.	\$2,207,460.91	2	\$2,700,000.00	82%
8591	4-May	2021 Parking Garage Maintenance	M	TE	ProAxis LLC	\$485,852.24	2	\$543,617.06	89%
8599	4-May	Lakeview Library Lighting Upgrade	M	Fac&Sust.	The Electrician, Inc. - acquired Academy Service Group LLC in July 2021 which included this contract	\$73,033.00	4	\$80,000.00	91%
8992	4-May	SW, C&G, Conc. Pvmt. Patches, Citywide Install & Rep. '21	S&H	Sidewalk	Speedway Sand & Gravel, Inc.	\$339,481.00	2	\$360,000.00	94%
7838	18-May	E Dean Ave, Allis Ave, Seth Circle&Tyler Circle AD-'21	S&H	Streets	Speedway Sand & Gravel, Inc.	\$3,741,604.39	3	\$5,060,000.00	74%
8561	18-May	Hillcrest Drive, Standish Court, & Alden Drive AD -2021	S&H	Streets	S&L Underground, Inc.	\$1,753,796.22	4	\$2,316,851.29	76%

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Contract No.	Date	Contract Name	Type	Contractor	Contract Amount	No. of Bidders	Engineer's Estimate	Percent of Bid to Estimate		
8576	18-May	N Brooks St, Fahrenbrook & College Ct Resurf. AD-'21	S&H	Streets	Speedway Sand & Gravel, Inc.		\$797,402.45	3	\$896,551.00	89%
8574	1-Jun	W. Washington Avenue Assessment District - 2021	S&H	Streets	R. G. Huston Co., Inc.		\$3,484,000.00	3	\$3,490,000.00	100%
8575	1-Jun	Bridge Repairs - 2021	S&H	Streets	Fahrner Asphalt Sealers, L.L.C.		\$149,130.00	3	\$275,119.50	54%
8564	15-Jun	Felland Road & Tranquility Trail Roundabout AD - 2021	S&H	Streets	Parisi Construction Co., Inc.		\$1,144,769.19	6	\$1,388,638.55	82%
8584	15-Jun	State Street SW Repairs & N Park St SW & Terrace AD '21	S&H	Sidewalk	Speedway Sand & Gravel, Inc.		\$399,876.54	2	\$444,299.00	90%
8613	15-Jun	Sycamore Park Parking Lot Repavement	F	Fac&Sust.	Wolf Paving & Excavating of Madison., Inc		\$122,967.57	6	\$235,000.00	52%
8981	15-Jun	Metro Transit Phase 3A-Driver/Maint. Facility Improvements	M	Fac&Sust.	J. P. Cullen & Sons, Inc.		\$9,412,947.00	4	\$9,785,000.00	96%
8565	6-Jul	Hooker Ave, Sheridan Dr, Steensland Dr Resurf. AD-'21	S&H	Streets	Capitol Underground, Inc.		\$1,014,319.87	6	\$1,242,684.00	82%
8569	6-Jul	Helena Street, Jenifer St., and Russell St AD - 2021	S&H	Streets	R. G. Huston Co., Inc.		\$2,687,000.00	5	\$3,240,000.00	83%
8585	6-Jul	Dearholt Road Assessment District - 2021	S&H	Streets	S&L Underground, Inc.		\$1,201,437.81	5	\$1,980,870.90	61%
9026	6-Jul	2021 Playground Improvements	M	Parks	Madison Commercial Landscapes Inc.		\$208,281.00	2	\$203,249.50	102%
9039	6-Jul	Park Paving 2021	P	Parks	Joe Daniels Construction Co., Inc.		\$525,928.97	3	\$570,441.50	92%
8563	20-Jul	Bikeways 2021	S&H	Streets	Payne & Dolan, Inc.		\$428,564.75	3	\$564,670.00	76%
8567	20-Jul	Melvin Court & Ridgeway Ave Resurfacing AD - 2021	S&H	Streets	S&L Underground, Inc.		\$704,056.11	4	\$854,698.00	82%
8570	20-Jul	Traffic Calming & Pedestrian Enhancements - 2021	S&H	Streets	Parisi Construction Co., Inc.		\$337,749.05	3	\$370,000.00	91%
8577	20-Jul	Forster Drive Resurfacing Assessment District - 2021	S&H	Streets	Speedway Sand & Gravel, Inc.		\$616,472.87	4	\$790,000.00	78%
9042	20-Jul	Madison Fire Station 5 Wall Removal & Improvements	M	Fac&Sust.	Joe Daniels Construction Co., Inc.		\$30,212.00	4	\$30,000.00	101%
7901	3-Aug	Demetral Park Path: Phase 2	S&H	Streets	Speedway Sand & Gravel, Inc.		\$397,518.32	2	\$363,522.00	109%
8614	3-Aug	Traffic Calming & Ped. Enhancements - 2021 (Group 2)	S&H	Streets	Raymond P. Cattell, Inc.		\$555,112.20	3	\$455,000.00	122%
9035	3-Aug	Greentree Hills Landfill West Header Replacement	M	Sewer	Landfill Drilling & Piping, Inc.		\$172,650.00	2	\$141,900.00	122%
8615	31-Aug	Aberg Avenue & NB Packers Ave Ramp Traffic Signal	S&H	Streets	Parisi Construction Co., Inc.		\$155,355.40	2	\$147,381.75	105%
9055	31-Aug	Summit Maintenance Facility Improvements	M	Parks	Speedway Sand & Gravel, Inc.		\$111,534.89	5	\$198,635.00	56%
9056	31-Aug	CIPP 2021 - Pontiac Trl, Nokomis Ct, Rosewood Cir	W	Water	Fer-Pal Construction USA, LLC		\$363,825.00	2	\$428,770.00	85%
9057	31-Aug	CIPP 2021 - E Johnson St	W	Water	Fer-Pal Construction USA, LLC		\$206,450.00	2	\$185,320.00	111%
9478	31-Aug	Westview Hills Channel	S&W	Storm	S&L Underground, Inc.		\$96,636.52	3	\$125,715.70	77%
8243	5-Oct	Fire Station 10 Roof Replacement	M	Fac&Sust.	Maly Roofing Company, Inc.		\$204,643.00	2	\$175,000.00	117%
8525	5-Oct	Spring Harbor Outfall Repair	S&W	Storm	Speedway Sand & Gravel, Inc.		\$538,133.79	4	\$484,504.65	111%
8609	5-Oct	Msn Police Training Center Office Roof Replacement	M	Fac&Sust.	Maly Roofing Company, Inc.		\$43,447.00	2	\$36,000.00	121%
9050	5-Oct	Olin Park Facility Improvements	M	Fac&Sust.	J. P. Cullen & Sons, Inc.		\$3,221,219.00	4	\$3,350,000.00	96%
8868	19-Oct	Harper Lift Station Replacement	M	Sewer	Speedway Sand & Gravel, Inc.		\$644,352.63	5	\$677,600.00	95%
9063	19-Oct	Thurber Lift Station Replacement	M	Sewer	Speedway Sand & Gravel, Inc.		\$987,654.32	2	\$652,800.00	151%
9079	2-Nov	Madison Public Library Lighting - Sequoya	M	Fac&Sust.	The Electrican, Inc.		\$257,305.00	2	\$200,000.00	129%
8573	16-Nov	Kroncke Drive, Lanett Circle, & Tanager Trail AD - 2021	S&H	Streets	Parisi Construction Co., Inc.		\$1,454,915.75	6	\$1,819,004.00	80%
		Number		64			\$65,016,806.39	223		

BOARD OF PUBLIC WORKS, CITY OF MADISON

PUBLIC WORKS CONTRACTS FINALIZED IN 2021

Contract Number	Contract Name	Finance Ltr Sent Date	Contract Amount	Amount Paid To Date
7585	2015 CAPITOL SQUARE NORTH PARKING GARAGE RELIGHTING AND	10/20/2021	\$397,621.00	\$397,621.00
7769	Sycamore Ave Public Works Maintenance Facility – Office Remodel	6/7/2021	\$2,362,797.00	\$2,531,270.76
7834	CIPP Wet Lining Rehab of Sanitary Sewer - 2016	3/18/2021	\$380,347.00	\$355,016.00
8121	Alleys	1/29/2021	\$487,175.73	\$521,944.54
8162	Olbrich Botanical Gardens Phase 1 Expansion - Construction	11/12/2021	\$9,522,600.00	\$10,311,909.80
8277	Buckeye Road Reconstruction	1/21/2021	\$6,255,589.56	\$6,281,112.31
8294	Dairy Drive (new street)	3/25/2021	\$970,640.00	\$278,070.45
8295	Elizabeth St and N. Ingersoll St Reconstruction	3/18/2021	\$1,865,884.55	\$1,700,495.13
8297	Haywood Drive Reconstruction	4/22/2021	\$932,001.19	\$966,196.91
8306	Toepfer, Holly, Euclid and St. Clair Resurfacing w/Utilities	4/28/2021	\$4,476,393.77	\$4,545,127.11
8307	Park Street Pavement Joint Repair	2/18/2021	\$2,164,198.22	\$2,106,578.25
8316	Vilas Ave and Campbell St Reconstruction	1/29/2021	\$540,423.75	\$534,395.85
8349	E. Dayton Street Resurfacing w/Utilities	5/27/2021	\$1,478,408.82	\$1,463,838.24
8369	Horizontal Sawcutting of Concrete Sidewalk and Incidental Work-2019 Districts 1 & 9	3/11/2021	\$110,010.20	\$121,460.19
8370	Horizontal Sawcutting of Concrete Sidewalk and Incidental Work-2019 Distiret 7	3/11/2021	\$71,260.20	\$76,262.50
8379	Warning Sirens - 2019	8/10/2021	\$102,504.52	\$103,029.52
8421	Hawks Landing Flood Mitigation - Southwest	1/25/2021	\$1,064,572.13	\$1,074,927.14
8430	Government East Ramp Demolition	9/29/2021	\$709,300.00	\$760,693.00
8461	CIPP Rehab of Sanitary and Storm Sewers-2019	3/31/2021	\$1,135,625.90	\$1,145,554.49
8468	Storm Structural Repairs 2019	1/29/2021	\$347,545.00	\$353,938.60
8490	RESURFACING 2020 – CURB & GUTTER AND CASTINGS	4/23/2021	\$1,015,303.00	\$865,878.78
8491	RESURFACING 2020 – ASPHALT PAVEMENT PULVERIZING, MILLING AND PAVING	5/12/2021	\$2,245,512.05	\$1,958,241.27
8492	RESURFACING 2020 – ASPHALT BASE PATCHING AND BASE PATCH GRINDING	4/22/2021	\$882,487.50	\$692,850.75

BOARD OF PUBLIC WORKS, CITY OF MADISON

PUBLIC WORKS CONTRACTS FINALIZED IN 2021

Contract Number	Contract Name	Finance Ltr Sent Date	Contract Amount	Amount Paid To Date
8497	Sidewalk, Curb&Gutter, Citywide Installation and Repair 2020	3/8/2021	\$356,923.00	\$367,215.53
8499	Bikeways 2020	2/24/2021	\$88,712.50	\$82,719.04
8500	Martin Luther King Jr. Blvd Sidewalk Replacement	2/12/2021	\$1,399,783.25	\$1,353,455.73
8501	Gregory/Cross/Copeland/Western Reconstruction	1/13/2021	\$2,674,276.81	\$2,581,073.82
8502	Packers Avenue Resurfacing w/Utilities	2/18/2021	\$936,622.85	\$835,002.52
8506	Anderson Street Resurfacing	2/18/2021	\$836,745.81	\$852,865.56
8513	Rethke Avenue Reconstruction	3/31/2021	\$585,391.74	\$595,946.55
8514	Julia Street & Julia Court Resurfacing	3/8/2021	\$519,117.75	\$550,108.76
8516	Livingston Street Reconstruction	3/23/2021	\$140,914.35	\$120,861.34
8532	UV CIPP Rehab of Sanitary Sewers - 2019	1/6/2021	\$567,992.00	\$569,693.00
8535	Metro Transit Phase 2 - HVAC Replacement	4/23/2021	\$4,650,660.00	\$4,843,484.64
8536	McKenna Blvd Flood Mitigation - Phase 2 (Greentree Pond to N Struck St)	5/26/2021	\$1,262,371.23	\$1,252,376.27
8542	2020 Greenway Restoration	12/7/2021	\$123,317.20	\$110,560.35
8543	RIMROCK INTRCPTR-INDUSTRIAL DR EXT	2/12/2021	\$774,216.00	\$784,822.63
8554	Highland Avenue Sidewalk and Lighting Improvements	9/21/2021	\$162,865.00	\$153,619.60
8575	Bridge Repairs 2021	9/8/2021	\$149,130.00	\$136,265.00
8581	Chip Seal: east (AD 3, 12, 14 & 15)	10/20/2021	\$2,386,677.64	\$2,315,444.02
8582	Chip Seal: west (AD 7, 11, 19 & 20)	10/29/2021	\$2,207,460.91	\$2,197,446.04
8864	E. Gorham Street Assessment District - 2020	5/11/2021	\$1,771,601.23	\$1,670,390.69
8871	MPD Central Property/GR10 Carpet Replacement	4/12/2021	\$90,037.00	\$88,771.00
8879	Tenney Park Pavilion Acoustic Plaster Ceiling	10/26/2021	\$97,500.00	\$93,735.69
8891	Truck Scales Project	3/23/2021	\$263,244.00	\$272,412.50
8893	Gates of Heaven Floor Replacement	9/14/2021	\$64,308.00	\$84,152.19

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Contract Number	Contract Name	Finance Ltr Sent Date	Contract Amount	Amount Paid To Date
8901	ANNUAL HORIZONTAL SAWCUTTING OF CONCRETE SIDEWALK AND INCIDENTAL WORK (DISTRICT 4 & 8) - 202	3/11/2021	\$43,890.70	\$28,150.17
8907	Orchard Street Sanitary Sewer Repair	2/2/2021	\$205,986.82	\$260,590.37
8916	Gates of Heaven Exterior Restoration	9/21/2021	\$287,439.00	\$283,554.00
8984	Metro Masonry Repairs	10/28/2021	\$356,890.00	\$359,641.00
8985	Street End Repairs - (FEMA 81336)	9/15/2021	\$36,920.00	\$36,621.50
9426	CIPP Rehab of Sanitary and Storm Sewer Mains - 2019	5/11/2021	\$842,731.65	\$846,035.05

Total Bid Amounts
\$63,401,927.53

Total Paid to Date
\$62,873,427.15

Total Contracts
52

Best Value Contracting 2021

In 2021 a contract was considered a Best Value Contract per MGO 33.7 (7) if the contractor’s bid was equal or greater than \$65,000 for a single trade contract; or equal to or greater than \$318,000 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 2021, 64 Public Works contracts were awarded. All BVC information was not available at report time for 2 of these contracts (8981 & 9063). Therefore, this summary of apprenticeship utilization in 2021 is based on 62 contracts, which were made up of 33 general contractors and 83 subcontractors.

General Contractors

General contractors were required to have active apprentices employed by their company in all apprenticeable trades used on the project in 38 instances. See Apprentice Utilization Chart for complete breakdown.

2021: Summary: General Contractors (GCs)		
No. of contracts with GC required to have an apprentice in all trades		38 (61%)
No. of contracts where GC met criteria for exemption from active apprentice		24 (39%)
Reason for exemption:		
Less than single trade minimum	2	
Less than multi trade minimum	4	
First Time (2), <5 skilled workers (4), and journey worker on layoff (4)	10	
Work not apprenticeable	8	
Total Contracts		62 (100%)

Examples of non-apprenticeable trades for general contractors were as follows: Truck driver, landscaper, asphalt lute man, EIFS finishing, pointer, caulker, masonry cleaner, court line painters, pavement crack sealing & seal coating, concrete surface repair, polymer overlay laborer, chip sealing laborer, ecological restoration technician, and playground installer.

Subcontractors

Five 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.

2021 Summary: Subcontractors		
No. of subcontractors required to have an apprentice		5 (6%)
No. of subcontractors that met criteria for exemption from active apprentice		78 (94%)
Reason for exemption:		
Less than single trade minimum	67	
Less than multi trade minimum	5	
Work not apprenticeable	5	
Less than 5 craft workers employed company-wide	1	
First time contractor	0	
Apprenticeship program more than 90 miles away	0	
Total Subcontractors		83 (100%)

Examples of non-apprenticeable trades include: Truck driver, landscaper, pavement marking, elevator mechanic, traffic control & flag person, vehicle lift installers, petroleum workers, & CIPP slip liners.

2021 Apprentice Utilization Chart

Of all contracts fully executed in 2021, General contractors were required to have an apprentice in 38 contracts and Subcontractors in 7 contracts.

	No. of Times an Apprentice Was Required in a Contract		Apprentices – No. of Persons Employed
	General Contractor	Subcontractor	
Construction Craft Laborer	30	0	10
Heavy Equipment Operator/Engineer	32	0	12
Cement Mason/Finisher	6	0	3
Bricklayer	1	0	1
Carpenter	3	1	4
Electrician	2	4	4
Roofer/Waterproofer	1	0	1
Plumber	0	1	1
Iron Worker	1	0	1
Sheet Metal Worker	0	1	1
Steam Fitter	0	1	1
Fire Sprinkler Fitter	0	0	0
Totals	76	8	39

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 2021, 8 contracts required prevailing wage rates.

2021 Prevailing Wage Violations & Recoveries

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

In 2021 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 2021, 38 private development plans were issued: 17 plat phases and 21 infills. The table below provides the number of lots created by year.

Year	Plats	CSMs	Condos
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

Year	Plats	CSMs	Condos
2007	80	54	1464
2006	736	111	1517
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 2021 the City Engineer reviewed the listing of potential bidders prequalified for City work by the City Engineer; 335 contractors applied for various types of work in 2021.

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. However, the Board did receive an appeal from one contractor regarding SBE Compliance. The Appeals Committee did find this contractor to be non-responsible due to their failure to submit a complete SBE Compliance Report and their bid was deemed ineligible for award of the contract.

	Approved Prequalified Contractors as of 12/31/2021 ¹	New Applications and Renewals
Total Active Prequalified Licenses ²	355	173 ³
Category A - Street terrace work	115	48
Category B - PW and Private Development	207	87
Category C - Excavate in ROW	168	74

¹ Numerous contractors are approved in multiple categories.

² Licenses are valid for 2 year period.

³ 205 Contractors applied for prequalification in 2021; however, 32 applications were not completed.

Other Activities of the Board of Public Works

In 2021, the City Engineer approved 1,828 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 6, 2021

Legistar 63512:

Authorizing the Mayor and City Clerk to enter into an agreement with the USGS to monitor runoff from leaf collection study area and to accept partial funding from League of Wisconsin Municipalities by entering a Memorandum of Understanding with the League of Wisconsin Municipalities and amend the 2021 operating budget to reflect the accepted funds.

The proposed resolution authorizes the Mayor and City Clerk to enter into an agreement with the US Geological Survey to monitor leaf runoff at an estimated cost of \$124,000. The City of Madison will provide \$93,000, reimbursed by the League of Wisconsin Municipalities, and the USGS will contribute \$31,000 in matching funds.

Legistar 63532:

Approving Plans, Specifications, And Schedule Of Assessments For Resurfacing 2021 - Assessment District.

The proposed resolution approves plans, specifications, and a schedule of assessments for the Resurfacing 2021 - Assessment District at an estimated cost of \$3,781,658.50.

February 3, 2021

Legistar 63802:

Amending Secs. 16.23(2), 16.23(7)(b) and creating Secs. 16.23(7)(a)22, 16.23(8)(h), 16.23(9)(c)8 and 16.23(9)(f) of the Madison General Ordinances to Create Design and Installation Requirements for Cluster Mail Box Units.

This ordinance creates subdivision design standards that would require the inclusion of cluster box units in subdivisions and their installation. The United States Postal Service now requires this method of mail delivery to save fuel and reduce carbon emissions from operations because carriers can deliver mail to multiple customers during a single stop with less truck idle time, leading to greener neighborhoods.

February 17, 2021

Legistar 63945:

SUBSTITUTE - Authorizing the Mayor and City Clerk to enter into a competitively selected, two-step contract for Purchase of Services (Architect) with Joseph Lee & Associates, LLC to provide professional architectural and engineering design services and construction administration services for the design and construction of the Reindahl Imagination Center/Library.

The proposed resolution authorizes a contract of \$295,770 with Joseph Lee & Associates, LLC to provide professional architectural and engineering design services and construction administration services for the design and construction of the Reindahl Imagination Center/Library. Subsequent design phases estimated at an additional \$1,200,000 and planned for 2022 and construction estimated at \$15,000,000 and planned for 2023 are

subject to future appropriations and are included in the 2021 Adopted CIP. The total capital project cost is currently estimated at \$16,600,000.

Legistar 64194:

Approving Plans, Specifications, And Schedule Of Assessments For E. Dean Avenue, Allis Avenue, Seth Circle and Tyler Circle Assessment District - 2021.

The proposed resolution approves plans, specifications, and a schedule of assessments for E. Dean Avenue, Allis Avenue, Seth Circle and Tyler Circle Assessment District - 2021 at an estimated cost of \$5,328,000.

March 3, 2021

Legistar 64345:

Authorizing the Mayor and the City Clerk to execute an agreement with Stantec Consulting Services, Inc. for engineering services for the Starkweather Creek/Olbrich Gardens Watershed Study.

The City of Madison Engineering Division is proposing to conduct watershed and flood studies for the City as a result of extreme rain events over the past several years. The August 2018 historic event has highlighted the need for a comprehensive approach to Stormwater management to assist with identification of deficiencies on the system, project alternatives analysis for potential flood mitigation solutions, as well as prioritization and budgeting for future improvements to the system.

March 17, 2021

Legistar 64575:

Approving Plans, Specifications, And Schedule Of Assessments For Hillcrest Drive, Standish Court, and Alden Drive Assessment District - 2021.

The proposed resolution approves plans, specifications, and a schedule of assessments for Hillcrest Drive, Standish Court, and Alden Drive Assessment District - 2021 at an estimated cost of \$2,900,000 including contingency.

Legistar 64576:

Approving Plans, Specifications, And Schedule Of Assessments For North Brooks Street, Fahrenbrook Court and College Court Resurfacing Assessment District - 2021.

The proposed resolution approves plans, specifications, and a schedule of assessments for North Brooks Street, Fahrenbrook Court and College Court Resurfacing Assessment District -2021 at an estimated cost of \$1,360,000.

Legistar 64580:

SUBSTITUTE: Approving plans and specifications and authorizing the Board of Public Works to advertise and receive bids for Bridge Repairs - 2021.

The proposed resolution approves plans and specifications and authorizes the Board of Public Works to advertise and receive bids for Bridge Repairs - 2021. The total estimated cost of the project is \$250,000\$275,000.

March 31, 2021

Legistar 64806:

Approving Plans, Specifications, And Schedule Of Assessments For W. Washington Avenue Assessment District - 2021.

The proposed resolution approves plans, specifications, and a schedule of assessments for W. Washington Avenue Assessment District - 2021 at an estimated cost of \$3,495,000.

April 21, 2021

Legistar 65034:

Substitute Resolution Approving Plans, Specifications, And Schedule Of Assessments For Forster Drive Resurfacing Assessment District - 2021.

The proposed resolution approves plans, specifications, and a schedule of assessments for Forster Drive Resurfacing Assessment District - 2021 at an estimated cost of \$670,000 including contingency.

Legistar 64803:

Approving Plans, Specifications, And Schedule Of Assessments For Helena Street, Jenifer Street, and Russell Street Assessment District - 2021.

The proposed resolution approves plans, specifications, and a schedule of assessments for Helena Street, Jenifer Street, and Russell Street Assessment District - 2021 at an estimated cost of \$3,010,000 including contingency.

May 19, 2021

Legistar 65473:

Approving the Negotiated Agreement Relating to the Third Rodefild Landfill Expansion.

The proposed resolution authorizes the third Rodefild Landfill Expansion, as outlined in the negotiated agreement between the City of Madison, Dane County, and the Town of Cottage Grove. This agreement authorizes a vertical expansion of the landfill to 1,065 feet above mean sea level. The agreement does not impact the tipping fees authorized under the Negotiated Agreement Related to the Second Rodefild Landfill Expansion. No additional appropriation is required.

June 16, 2021

Legistar 65898:

Approving Plans, Specifications, And Schedule Of Assessments For University Avenue Assessment District – 2022.

The proposed resolution approves plans, specifications, and a schedule of assessments for the University Avenue Assessment District - 2022 at an estimated cost of \$32,170,000, including \$12,710,000 in federal funds, \$12,890,000 from the City of Madison, \$5,170,000 from the Village of Shorewood Hills, and \$1,400,000 from Madison Metropolitan Sewerage District.

July 7, 2021

Legistar 66194:

Approving plans and specifications and authorizing the Board of Public Works to advertise and receive bids for Tenney Park Beach Shelter.

The Tenney Park Beach Shelter project funds demolition of the existing structure, architecture, mechanical, electrical/lighting, plumbing, site work and the beach enclosure system at Tenney Park Beach, located at 1330 Sherman Ave. The total estimated cost of the project is \$932,987.

July 21, 2021

Legistar 65674:

SUBSTITUTE: Amending the 2021 Adopted Capital Budget and approving plans and specifications and authorizing the Board of Public Works to advertise and receive bids for South Point Road Truck Scale and Fuel Point.

After careful review, and internal design by city staff, it has been determined that the original capital project - Fueling Station at South Point (12444) for 2020 did not include all infrastructure and fees necessary to complete this project. The original project scope was sufficient for the installation of fuel dispensing equipment only. The revised project cost estimate is \$3,415,000.

September 1, 2021

Legistar 67101:

Authorizing the City Engineer to obtain a Public Infrastructure Permit from the Wisconsin Department of Transportation for roadway improvements along Wilson St. and John Nolen Dr. and authorizing the indemnification of the Wisconsin Department of Transportation, Wisconsin and Southern Railroad LLC, Watco Companies, and Wisconsin River Rail Transit Commission.

The City of Madison has partnered with WisDOT to reconstruct a portion of S. Blair St. and the intersection of S. Blair St., John Nolen Dr., Williamson St. and E. Wilson St. in 2022. As part of this reconstruction project, a portion of the improvements around the John Nolen Dr. and E. Wilson St. intersection will be constructed on the railroad property, owned by WisDOT and operated by Wisconsin and Southern Railroad and Watco Companies.

September 22, 2021

Legistar 67446:

Updating the City's policy for assessment of sanitary sewer improvements to serve unsewered and sewer lands located within the current and future boundaries of the City of Madison.

October 6, 2021

Legistar 67613:

Updating the City's policy for special assessments and connection charges for municipal water system improvements extended to serve lands within the current and future boundaries of the City of Madison.

October 6 & 20, 2021

Legistar 67589:

Approving plans and specifications for public improvements necessary for the project known as 1874 E Washington Avenue and authorizing construction to be undertaken by the Developer, Private Contract No. 9073.

The Developer shall be responsible for the construction of new sidewalk/multi-use path, utility lateral connections, trees, terrace restoration, and a deposit for a Rapid Rectangular Flashing Beacon (RRFB) on N First Street at Mifflin Street. Staff have reviewed the path and terrace conditions on the proposed site. The design has been adjusted to allow for a 10' wide path and 5' wide terrace throughout the frontages on E. Washington Ave & First St.

November 17, 2021

Legistar 68287:

Approving Plans, Specifications, And Schedule Of Assessments For Cedar Street and Beld Street Assessment District - 2022.

The proposed resolution approves plans, specifications, and a schedule of assessments for the Cedar Street and Beld Street Assessment District - 2022 at an estimated cost of \$1,739,300, including \$1,578,532.50 in City funds and \$160,767.50 from assessments.

December 15, 2021

Legistar 68349:

A Resolution revising the Rate Adjustment and Credit Policy as Provided by Section 37.05(4)(d) of the Madison General Ordinances

The purpose of this revision is to account for the Agricultural properties that have received the rate adjustment for 10 years as previously approved, and to establish a more equitable and uniform rate adjustment policy going forward in multiple areas;

Legistar 68726:

Approving plans and specifications and authorizing the Board of Public Works to advertise and receive bids for Tenney Park East Johnson St. Pedestrian Bridge Wing Walls.

Parks Division will replace the existing wing walls on the East Johnson St pedestrian bridge. The existing stone wing walls are in poor condition and in need of replacement. New wing walls will be constructed of cut limestone block. The total estimated cost is \$55,000.

Legistar 68734:

Approving Plans, Specifications, And Schedule Of Assessments For St. Paul Avenue, Ohio Avenue, Talmadge Street, Jackson Street, and LaFollette Avenue Reconstruction Assessment District – 2022.

The proposed resolution approves plans, specifications, and a schedule of assessments for the St. Paul Avenue, Ohio Avenue, Talmadge Street, Jackson Street, and LaFollette Avenue Reconstruction Assessment District - 2022 at an estimated cost of \$4,722,000, including \$616,338 from assessments.

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:

Street Type	Percent of street miles at or below PASER rating of 5
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, 2021**

Updated: February 22, 2021

All Bike and Walking Paths:	2016	2017	2018	2019	2020	2021
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

All Paths by Class	2016	2017	2018	2019	2020	2021
Bike Paths						
Arterial (ART)						
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
Secondary (SEC)						
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
Local (LOC)						
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
Sidewalks / Walking Paths (WALK)						
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

Path Construction and Maint.	2016	2017	2018	2019	2020	2021
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

All Paths	2016	2017	2018	2019	2020	2021
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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

Arterial Bike Paths	2016	2017	2018	2019	2020	2021
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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

Secondary Bike Paths	2016	2017	2018	2019	2020	2021
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
Local Bike Paths	2016	2017	2018	2019	2020	2021
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

Walking Paths (WALK)	2016	2017	2018	2019	2020	2021
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
Inter-block Sidewalks (SWLK)	2016	2017	2018	2019	2020	2021

Inter-block sidewalks are not rated

All Paths	2016	2017	2018	2019	2020	2021
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

All Paths	2016	2017	2018	2019	2020	2021
% 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%
% Miles at or below Cond State 5	4.3%	4.3%	11.1%	10.0%	6.8%	7.4%
% 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%

Bike Paths - Arterial	2016	2017	2018	2019	2020	2021
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

Bike Paths - Arterial	2016	2017	2018	2019	2020	2021
% 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%

Bike Paths - Secondary	2016	2017	2018	2019	2020	2021
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

Bike Paths - Secondary	2016	2017	2018	2019	2020	2021
% 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%

Bike Paths - Local	2016	2017	2018	2019	2020	2021
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

Bike Paths - Local	2016	2017	2018	2019	2020	2021
% 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%

Walking Paths	2016	2017	2018	2019	2020	2021
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

Walking Paths	2016	2017	2018	2019	2020	2021
% 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%

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

City of Madison
Street Condition Report
Streets Within and Maintained by City of Madison
As of December 31, 2021

Updated 12/9/2021

All Streets:	2001	2010	2015	2017	2018	2019	2020	2021
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
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All Streets by Class	2001	2010	2015	2017	2018	2019	2020	2021
Arterial Streets								
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
Collector Streets								
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
Local Streets								
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
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Street Construction and Maint.	2001	2010	2015	2017	2018	2019	2020	2021
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

Arterial, Collector and Local	2001	2010	2015	2017	2018	2019	2020	2021
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

Arterial	2001	2010	2015	2017	2018	2019	2020	2021
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
Collector	2001	2010	2015	2017	2018	2019	2020	2021
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
Local	2001	2010	2015	2017	2018	2019	2020	2021
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

Arterial, Collector and Local	2001	2010	2015	2017	2018	2019	2020	2021
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

Arterial, Collector and Local	2001	2010	2015	2017	2018	2019	2020	2021
% 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%
Goal 26% % Miles at or below Cond State 5	32.1%	25.0%	24.6%	26.6%	24.8%	25.6%	23.6%	20.0%
% 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%

Arterial	2001	2010	2015	2017	2018	2019	2020	2021
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

Arterial	2001	2010	2015	2017	2018	2019	2020	2021
% 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%

Collector	2001	2010	2015	2017	2018	2019	2020	2021
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

Collector	2001	2010	2015	2017	2018	2019	2020	2021
% 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%

Local	2001	2010	2015	2017	2018	2019	2020	2021
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

Local	2001	2010	2015	2017	2018	2019	2020	2021
% 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%

Robert F. Phillips, P.E.
Executive Secretary