

Wisconsin Information System for Local Roads (WISLR)

The Road from Data Collection to Asset Management

Kathleen Spencer, Wisconsin DOT
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WisDOT and Local Roads Data

- ▶ What is WISLR?
- ▶ Why collect local road data?
- ▶ How is data viewed and changed?
- ▶ Who uses this data?



What is WISLR?



101,000+ miles of local road
1,800+ cities, villages, towns
72 counties



What is WISLR?

- ▶ Local Road Certification

- ▶ Pavement Ratings



Why collect local road data?

- **WISLR and WEB-based GIS system**

- Supports Section 86.302(1g) of the Wisconsin Statutes that requires that WisDOT maintain a local road inventory to certify mileage

- **WISLR is maintained by WisDOT**

- Mileage in WISLR is used for General Transportation Aids (GTA) computations
- Pavement conditions are stored in WISLR for analysis

1925

2001

2003



Why collect local road data?

- **Accessibility**
- **Accuracy**
- **Decisions**



General Transportation Aids

- ▶ Calculation
- ▶ Eligibility for GTA on local roads
- ▶ Road improvements
- ▶ Border roads



Pavement Conditions

- ▶ Self-reported biennially, odd years
- ▶ Pavement Surface Evaluation and Rating (PASER)
- ▶ WISLR Pavement Analysis Tool



How is data viewed and changed?

Local Officials

WisDOT Editors

**annual local road
certification**



How is data viewed and changed?

CONSTRUCTION REPORT – CERTIFICATION YEAR
 DT1402 2000 (Replaces PP 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000)

Wisconsin Department of Transportation
 See codes and instructions on back

CONTRACT NO. _____ MUNICIPALITY _____ ROAD NAME (CROSS STREET) _____ FEET _____ TENTH OF A MILE _____ HUNDREDTH OF A MILE _____ DATE _____ STREET OF _____

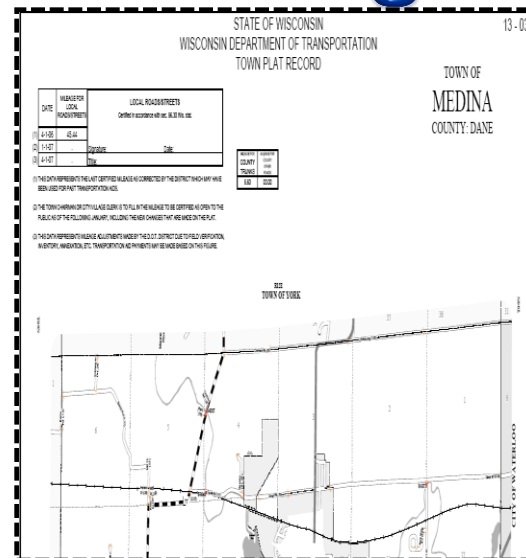
NEW ROADS INTERSECTION
 RIVER SECTION

NEW ROAD NAME _____ ON R/OIST _____ AT R/OIST _____ AT OFFSET _____ TO ROAD R/OIST _____ FROM R/OIST _____

(SAMPLE) Hickory Lane Dunning Rd Phillips Rd 24 CTH L

For each road, in the Remarks field write either NEW CONSTRUCTION, RESURFACED AND RECONSTRUCTED

On R/OIST	At R/OIST	To Road R/OIST	Remarks	Surface	Width	Length	Depth	Right of Way	Construction Date	Notes	Remarks											
(SAMPLE) Hickory Lane	Dunning Rd	0	Dead End	0	48	N	66'	6/04	55	24'	2	3	2'	3	2'	-	-	-	3	10	P	New construction



County of Dane (13)


Town of Medina (136)

Road Name	Gross Miles	County Miles	Municipal Miles	County Jurisdiction			Municipal Jurisdiction		
				Arterial	Collector	Local	Arterial	Collector	Local
Albrecht Dr	0.06		0.06						0.06
Berlin Rd	1.89		1.89						1.89
Boehm Rd	0.13		0.13						0.13
Box Elder Rd	3.98		3.98						3.98
Boysen Rd	0.22		0.22						0.22
Calhoun Rd	0.23		0.23						0.23
Canal Rd	3.55		3.55						3.55
Cherry Ln	2.12		2.12						2.12
Clarkson Rd	1.68		1.68						1.68
Comor Rd	0.07		0.07						0.07
Crestview Rd	0.13		0.13						0.13
CTH T	2.69	2.69			2.69				
CTH TT	3.91	3.91			2.17	1.74			
Dahl Dr	0.09		0.09						0.09
Darshoven Ln	0.20		0.20						0.20
Dechadine Dr	0.60		0.60						0.60
East Dr	0.29		0.29						0.29
Farris Dr	0.07		0.07						0.07
Freemont Rd	0.62		0.62						0.62



How is data viewed and changed?

Local Officials


Wisconsin Department of Transportation

Wisconsin Information System for Local Roads
 application: [home](#) | [main menu](#) | [route name discrepancy](#) | [log-off](#) | [manual and publications](#) | [On/At Training Quiz](#)

Physical Inventory

Administrative Inventory

View Physical Inventory

Map	Attribute Name	Occurs	At Intersection	From Offset	To Offset	Section Length	Attribute Value
	Surface	1 of 8	STH 19 (Termini)	0	3221	3221	Type: 57 Cold Mix Asphalt Pmt (CMAC) Surface + Base >7, Width: 22 ft, Year: 2003
	Maintenance Treatment	0 of 0		0	0	0	
	Left Shoulder	1 of 8	STH 19 (Termini)	0	3221	3221	Type: 2-Gravel, Width: 2 ft
	Right Shoulder	1 of 8	STH 19 (Termini)	0	3221	3221	Type: 2-Gravel, Width: 2 ft
	One Way	1 of 8	STH 19 (Termini)	0	3221	3221	One Way: No
	Right-of-Way	1 of 8	STH 19 (Termini)	0	3221	3221	Indicator: E, Width: 66 ft

Median
 Left Cul
 Right Cu
 Parking
 Traffic L
 Average (ADT)
 Paveme
 Sidewalk
 Vertical
 Horizontal
 Maintenance Agreements
 Local ID

MAINTENANCE TREATMENT REPORT
 DT1402 - M 2012 s.66.302 Wis. Stats
 County: Municipality:

Measurements (Circle One) Feet Tenth of a Mile Hundredth of a Mile Date Sheet of

Maintenance Treatment Type Codes (Descriptions on back)
 1 = Crack Sealing – Rout and Seal
 2 = Crack Sealing – Overband
 3 = Patching
 4 = Patching
 5 = Patching
 6 = Patching
 7 = Patching
 8 = Lane-Shoulder Drop-Off Repair
 9 = Joint Sealing - Overband
 10 = Spot Grade


Wisconsin Department of Transportation

Wisconsin Information System for Local Roads
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Wisconsin Department of Transportation

Web-WISLR Pavement Rating Entry Screen

County: DANE (13)

Municipality: BAILEYS HARBOR (TJ)(002)

Find Route: Cana Island Rd (1)

Spreadsheet Instructions Print/Download Spreadsheet Send Submittal

Update All Rating Years: 2015 Update

Update Surface Data: Update Offset Data: Update Local ID: Save Changes

New Pavement Rating	New Rating Year	Current Rating (Year)	Surface Type	Surface Year	Surface Width	On Route	At Route	At Offset	Toward Route	Section Length	Local ID
	2015	10 (2015)	65	2013	20	Bluff Rd	Guy St	0	Red Cherry Rd	5491	
	2015	8 (2015)	65	1994	20	E Bues Point Rd	W Bues Point Rd	0	Cana Island Rd (2)	1426	
	2015	n/a	70	1994	20	E Bues Point Rd	W Bues Point Rd	1426	Cana Island Rd (2)	2270	
	2015	7 (2015)	70	1994	20	W Bues Point Rd	Cana Island Rd (2) / Rustic Rd #36 (2)	0	E Bues Point Rd	1637	
	2015	7 (2015)	65	1994	20	W Bues Point Rd	Cana Island Rd (2) / Rustic Rd #36 (2)	1637	E Bues Point Rd	1214	
	2015	n/a	70	2011	20	Cana Cove Rd	Termini	0	Cana Island Rd (2)	158	
	2015	10 (2015)	70	2011	20	Cana Cove Rd	Cana Island Rd (2)	0	Termini	1531	
	2015	6 (2015)	70	1972	20	Cana Island Rd (1)	Cana Island Rd (2) / Rustic Rd #36 (2)	0	E Moonlight Bay Dr	792	
	2015	6 (2015)	70	1972	20	Cana Island Rd (1)	E Moonlight Bay Dr	0	CTH Q	686	
	2015	4 (2015)	70	1972	20	Cana Island Rd (2)	CTH Q	0	Cana Island Rd (1) / Rustic Rd #36 (1)	686	

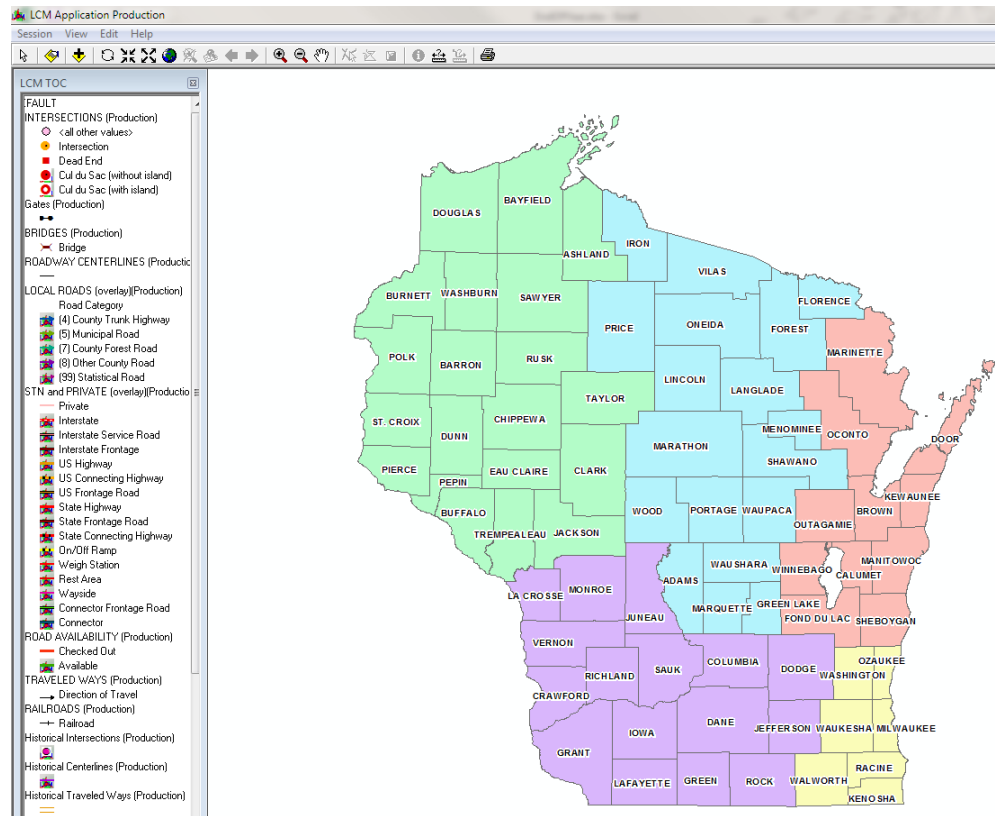


How is data viewed and changed?

WisDOT Editors



Location Control Manager (LCM)



Location Control Manager (LCM)

Construct Lines | Tangent Curves | Bearing Curves

Arc Length: 98.6
Radius Length: 250
Left

LCM TOC

- BRIDGES (Production)
- ROADWAY CENTERLINES (P)
- LOCAL ROADS (Inventory/Prod)
- ROAD AVAILABILITY (Production)
- TRAVELED WAYS (Production)
- RAILROADS (Production)
- HISTORICAL INTERSECTIONS (Production)
- HISTORICAL CENTERLINES (Production)
- HISTORICAL TRAVELED WAYS (Production)
- STREAMS (Production)
- LAKE AND RIVERS (Production)
- PUBLIC LAND SURVEY (Production)
- CITY OF JEFFERSON
- TOWN OF JEFFERSON
- REGION BOUNDARIES (Production)
- COUNTIES (Production)

New >> Road Name: E Reinel St - JEFFERSON (C) - 2

Construction Date: 9 /29/2013

Road Type: Two-Way

Physical Location: JEFFERSON (C)

Right of Way: 66 Actual

Category: 5 - Municipal R

SubCategory: 0 - None

Owner: JEFFERSON (C)

Certified Mileage: .14

Certified Date: 1 /29/2016

Documentation Number: CSM 5400

Comments:

Please remember to sort the new route.

Help... Detailed... OK Cancel

LCM Route Sorting Tool

E Reinel St - JEFFERSON (C) - 2

Auto Sort
Show Link Sequence
Show Link ID

Previous Next Sort Undo Jump Gap

Stop Zoom Select Link Save Close



Who uses this data?



Questions?

Kathleen Spencer
Statewide Local Road Coordinator, WISLR

608-266-9911
kathleen.spencer@dot.wi.gov

