

Manage Your Town's Largest Asset



Delmore Consulting is Recommended Service Provider
(RSP) for Wisconsin Towns Association



Delmore Consulting, LLC

- ▶ Over 30 Years experience working on Wisconsin's Town Roads
- ▶ Company formed in January 2014
- ▶ WTA Recommended Service Provider since 2017
- ▶ Family History of working with roads and towns
- ▶ Over 115,000 entries in the WISLR/PASER system
- ▶ Working with over 350 Towns on the WisDOT 6-20 Culvert Inventory program

Delmore Consulting, LLC

▶ Core Services:

1. Road Review and Condition Report
2. PASER Ratings
3. WISLR Road Maintenance updates
4. Road Planning and Work Bidding Assistance
5. Grants and Funding Sources
6. Culvert Inventory & Mapping
7. Sign Inventory & Mapping

Road Review Condition Report & PASER Rating

- ▶ Evaluate current road surface conditions
- ▶ Measure each section of road in the Town
- ▶ Update and Correct outdated information in the WisDOT WISLR system
- ▶ Rate all road sections using the PASER system

WISLR_INV	ON_ROAD	AT_RTE_N	TO_RTE_N	CNTY_NM	DOT_CNTY	MUNI_NM	WISLR_CM	RWCRT_M	INV_YR	WISLR_SF	RDWY_RT	TRLNS_SU	FEDUA_TY	NHS_CLS	RWRL_SOI
1.03E+08	BASSWOOD	Walnut Rd	Breezy Poi	DODGE	14	BURNETT	006	264	2022	6	2021	1967	000	NON	1000
1.03E+08	BEYER RD	STH 26	Termini	DODGE	14	BURNETT	006	1690	2022	8	2021	1974	000	NON	1000
1.03E+08	BREEZY PC	Basswood	Fir Rd	DODGE	14	BURNETT	006	1742	2022	4	2021	1967	000	NON	1000
1.03E+08	BURNETT	CTH BI	Superior St	DODGE	14	BURNETT	006	845	2022	4	2021	1976	000	NON	1000
1.03E+08	BURNETT	Superior St	Termini	DODGE	14	BURNETT	006	6019	2022	4	2021	1976	000	NON	2000
1.03E+08	BUTTERN	CTH E	CTH B	DODGE	14	BURNETT	006	1426	2022	7	2021	2019	000	NON	1000
1.03E+08	BUTTERN	CTH E	CTH B	DODGE	14	BURNETT	006	6072	2022	7	2021	1970	000	NON	1000
1.03E+08	CHRISTIAN	CTH I	Termini	DODGE	14	BURNETT	006	211	2022	3	2021	1968	000	NON	100
1.03E+08	CLAY ST	STH 26	Cross St (2	DODGE	14	BURNETT	006	739	2022	6	2021	1991	000	NON	1000
1.03E+08	CROSS ST	Cross St (2	Termini	DODGE	14	BURNETT	006	158	2022	7	2021	1975	000	NON	8000
1.03E+08	CROSS ST	STH 26	Cross St (1	DODGE	14	BURNETT	006	422	2022	7	2021	1987	000	NON	1000
1.03E+08	CROSS ST	STH 26	Cross St (1	DODGE	14	BURNETT	006	53	2022	7	2021	1991	000	NON	1000
1.03E+08	CROSS ST	Cross St (1	Clay St	DODGE	14	BURNETT	006	158	2022	7	2021	1991	000	NON	2000
1.03E+08	CROSS ST	Clay St	Market St	DODGE	14	BURNETT	006	264	2022	7	2021	1991	000	NON	3000
1.03E+08	CROSS ST	Market St	Superior St	DODGE	14	BURNETT	006	106	2022	7	2021	1991	000	NON	4000
1.03E+08	DEPOT ST	Maple St	Main St	DODGE	14	BURNETT	006	528	2022	4	2021	1980	000	NON	1000
1.03E+08	DEPOT ST	Main St	Second St	DODGE	14	BURNETT	006	422	2022	4	2021	1980	000	NON	2000
1.03E+08	DEPOT ST	Main St	Second St	DODGE	14	BURNETT	006	264	2022	4	2021	1980	000	NON	2000
1.03E+08	DEPOT ST	Second St	STH 26	DODGE	14	BURNETT	006	370	2022	4	2021	1980	000	NON	3000
1.03E+08	DOGWOOD	Fir Rd	CTH I	DODGE	14	BURNETT	006	5174	2022	7	2021	1969	000	NON	1000
1.03E+08	FERNWOC	Fir Rd	Termini	DODGE	14	BURNETT	006	1320	2022	4	2021	1972	000	NON	1000
1.03E+08	FIR RD	CTH E	E Fir Rd	DODGE	14	BURNETT	006	1056	2022	3	2021	1974	000	NON	1000
1.03E+08	FIR RD	E Fir Rd	CTH B	DODGE	14	BURNETT	006	6494	2022	3	2021	1974	000	NON	2000
1.03E+08	FIR RD	CTH B	Hemlock R	DODGE	14	BURNETT	006	4224	2022	6	2021	2014	000	NON	3000
1.03E+08	FIR RD	Hemlock R	Walnut Rd	DODGE	14	BURNETT	006	5386	2022	6	2021	2014	000	NON	4000
1.03E+08	FIR RD	Walnut Rd	Dogwood	DODGE	14	BURNETT	006	4013	2022	6	2021	2014	000	NON	5000
1.03E+08	FIR RD	Dogwood	Breezy Poi	DODGE	14	BURNETT	006	1320	2022	5	2021	2014	000	NON	6000

DC-PASER 2021	Type	Year	Width	Road Section Code	On Road Name	At	To	Section Length	Maintenance History Full	Notes	Inaccuracy
3	35-Gravel	1982	20	AMR-00	AMUNDSON RD		Frels Rd	1,185		end is a Cty atv trail head	
2	35-Gravel	1973	18	ASC-00	ASH CT	Silver Birch Dr	Termini	264		gravel then grass over the cul-du-sac	
3	35-Gravel	1973	18	APC-00	ASPEN CT	Termini	Lake Lodge Dr	633		okay	
2	Graded Ea	1974	18	BAC-00	BALSAM CT	South Silver Birch Dr	Termini	950	730 straight back	730 ft straight back. 870 ft going ar	road is a 25-Unimproved not gravel
3	35-Gravel	1974	16	BEC-00	BEECH CT	North Silver Birch Dr	Termini	422		okay road	
6	57-Cold Mix	1996	22	BGR-04	BIG BROOK RD	Sunset Rd	Wollin Rd	5,280	2013 SC	decent shape. SC is more recent t	check on year of SC
2	55-Cold Mix	1968	22	BGR-03	BIG BROOK RD	Sunset Rd	Wollin Rd	1,320	2013 SC	old blade mix with large rock	Never been SC'd
	35-Gravel	2019	22	BGR-02	BIG BROOK RD	Wollin Rd	Termini	6,758	2013 SC		
	30-Graded Ea	1968	22	BGR-01	BIG BROOK RD	Wollin Rd	Termini	3,644	2013 SC		
4	35-Gravel	2010	20	BPD-00	BIG PINE DR	Lake Lodge Dr	Stone Pine Dr	1,901		decent gravel road	
2	Graded Ea	1974	20	BIC-00	BIRCH CT	Silver Birch Dr	Termini	1,109		grass road with some minor ruts	road is a 25-Unimproved not gravel
3	35-Gravel	1971	20	BIL-00	BIRCH LN	USH 63	Termini	1,267		good for a dead end road. The turn-around is before the end of the road.	
6	57-Cold Mix	1995	22	BMR-01	BLUE MOON RD	USH 63	E Cable Lake Rd	3,749	2013 SC	looks good. Some bumby spots but good	
6	57-Cold Mix	1995	22	BMR-02	BLUE MOON RD	E Cable Lake Rd	Tri Lakes Rd	158		good	
3	57-Cold Mix	1985	22	CLR-02	CABLE LAKE RD E	USH 63	Blue Moon Rd	7,920		old mix on old poor base	Change to 8690
2	55-Cold Mix	1968	22	CLR-01	CABLE LAKE RD E	USH 63	Blue Moon Rd	1,320		poor base with several large rock	Change to 1580
5	57-Cold Mix	1995	22	CLR-03	CABLE LAKE RD E	USH 63	Blue Moon Rd	3,960	2020 SC	SC looks good	Change to 2930
4	35-Gravel	2018	22	CLW-00	CABLE LAKE RD W	Sunset Rd	Karow Trl	9,398	road rebuilt in 2018	Rebuilt in 2018. looks great.	Width is currently 26 ft. but will be 22 when it's paved
3	Graded Ea	1977	20	CWR-00	CABLE WOODS RD	Kavanaugh Rd	Termini	510			road is 35-gravel and only about 12 ft wide not 20 ft
4	35-Gravel	1973	18	CEC-00	CEDAR CT	Lake Lodge Dr	Termini	898	new gravel added. April 2	new gravel just added	
2	Graded Ea	1974	22	CHC-00	CHESTNUT CT	Frels Rd	Termini	211		the road shape is there but it's all	change type to 25-Unimproved
3	35-Gravel	2000	24	DYL-00	DYLAN LN	N Riverside Rd	Termini	660		Road has no signs. Looks like it's being abandoned and letting nature take	
3	35-Gravel	1973	20	ELC-00	ELM CT	Hickory Ct	Termini	950		okay road	

Road Section Updating Example

DC-PASER 2021	PASER 2019	Type	Year	Width	Road Section Code	On Road Name	At	To	Section Length	Mileage	At Offset	To Offset	DC Measurement	Current Surf Type
	7	70-Hot Mix	2010	20	136-01	136TH ST	Chain Lake Rd	135th St	2,768	0.52	0	2,768		HMA
	7	70-Hot Mix	2010	20	136-02	136TH ST	Chain Lake Rd	135th St	189	0.04	2,768	2,957		HMA
	7	70-Hot Mix	2010	20	136-03	136TH ST	Chain Lake Rd	135th St	4,541	0.86	2,957	7,498	7,790	HMA
7	7	70-Hot Mix	2010	20	136-03	136TH ST	Chain Lake Rd	135th St	7,498	1.42	0	7,498	7,790	HMA
	4	70-Hot Mix	2001	20	290-06	290TH AVE	149th St	Muskie Bay Dr	7,445	1.41	0	7,445		
8	4	70-Hot Mix	2015	20	290-06	290TH AVE	149th St	Muskie Bay Dr	4,210	0.80	0	4,210	4,210	HMA
4	4	35-Gravel	2018	17	290-06	290TH AVE	149th St	Muskie Bay Dr	3,235	0.61	4,210	7,445	3,210	GRV

Road Planning and Maintenance

- ▶ -Comprehensive review of current Road system, including surface type and Road conditions
- ▶ -Develop and implement a maintenance plan to ensure longevity of prior roadwork
- ▶ -Work with the Town Board to ensure Roadwork budget is maximized
- ▶ -Assist in the development of the road work list to be put out for bids
- ▶ -Create Bid Letting documents to ensure that each contractor is submitting uniform information and all
- ▶ On call throughout the year for any questions or concerns

Revised 1

	On Road Name	At	To	Mi	Width	Current Surface	Service	Project Total
	10th Ave	Bighorn Ave	to south	0.50	22	SC	Pulv & Pave 2" HMA	\$ 75,000
	Bea Ave	STH 13	9th Ave	2.50	22	SC	\$73k SC & \$120k Cold Mix (1,276 ton)	\$ 195,000
	BIG HORN DR S	STH 13	11th Ave	0.53	22	Cold Mix	Double Chip Seal	\$ 26,000
	Buttercup Ave	STH 13	16th Ave	2.00	20	Cold Mix	Single Chip Seal	\$ 53,000
	Buttercup Ave	STH 13	16th Ave	1.50	20	Cold Mix	Double Chip Seal	\$ 67,500
	8TH CT	Bighorn Ave	Termini	0.25	22	Hot Mix	Chip Seal	\$ 7,500
								\$ 424,000

Note: These are strictly estimates

Pulverize & 2" HMA / 20' mile	\$150,000
Single Chip Seal / 20' mile	\$26,500
Double Chip Seal / 20' mile	\$45,000

Pulv & Pave HMA	\$ 75,000
Chip Seal	\$ 349,000

Account for
man holes

Town of Herman
Dodge County
TRIP Project Bid Form - 2022

- Bids are due on Thursday June 9th, 2022 at 7:00 pm
- Bids will be decided at the same board meeting on Thursday June 9th, 2022 at 7:00 pm
- **A copy of this list must be filled out as is and included in any bid to be considered.**
- Contractor must supply town with proof of insurance.
- The Town reserves the right to accept or reject any or all bids.
- There is a completion deadline for all projects of October 1, 2021

Company Name - _____
Representative - _____

TRIP Project

Full depth pulverization of existing pavement, water, grade and compact. Pave a 3" compacted thickness to be done in two lifts using 4LT 58-28 S Hot Mix asphalt and install a 2-foot shoulder. Price to include paving into driveways and approaches.

Madison Rd - STH 33 to Zion Church Rd (Termini) - 1.00 mi x 21 ft

Pulverize, Fine Grade & Compact 12,320 SY Per SY \$ _____ \$ _____

3.0 inch Compacted HMA Surface 2,100 Ton Per Ton \$ _____ \$ _____

2 foot Aggregate Shoulder 335 Ton Per Ton \$ _____ \$ _____

Total Bid \$ _____

Notes:

- 1) This is a TRI project
- 2) Project to be completed by 10/1/2022
- 3) Traffic Control shall be incidental to all work performed.

X _____
CONTRACTOR

X _____
T/O HERMAN, BEN SCHELLINGER

Peshtigo - PASER Rating Map - 2...

67 views
Last edit was 13 days ago

Add layer Share Preview

PASER KEY

Individual styles

9 & 10 - Excellent

8 - Very Good

6 & 7 - Good

4 & 5 - Fair

3 - Poor

1 & 2 - Very Poor - Failing

Peshtigo PASER Data - 2022

Peshtigo PASER Rating by Sections

Styled by PASER Rating

1 (4)

2 (11)

3 (45)

4 (49)

5 (64)

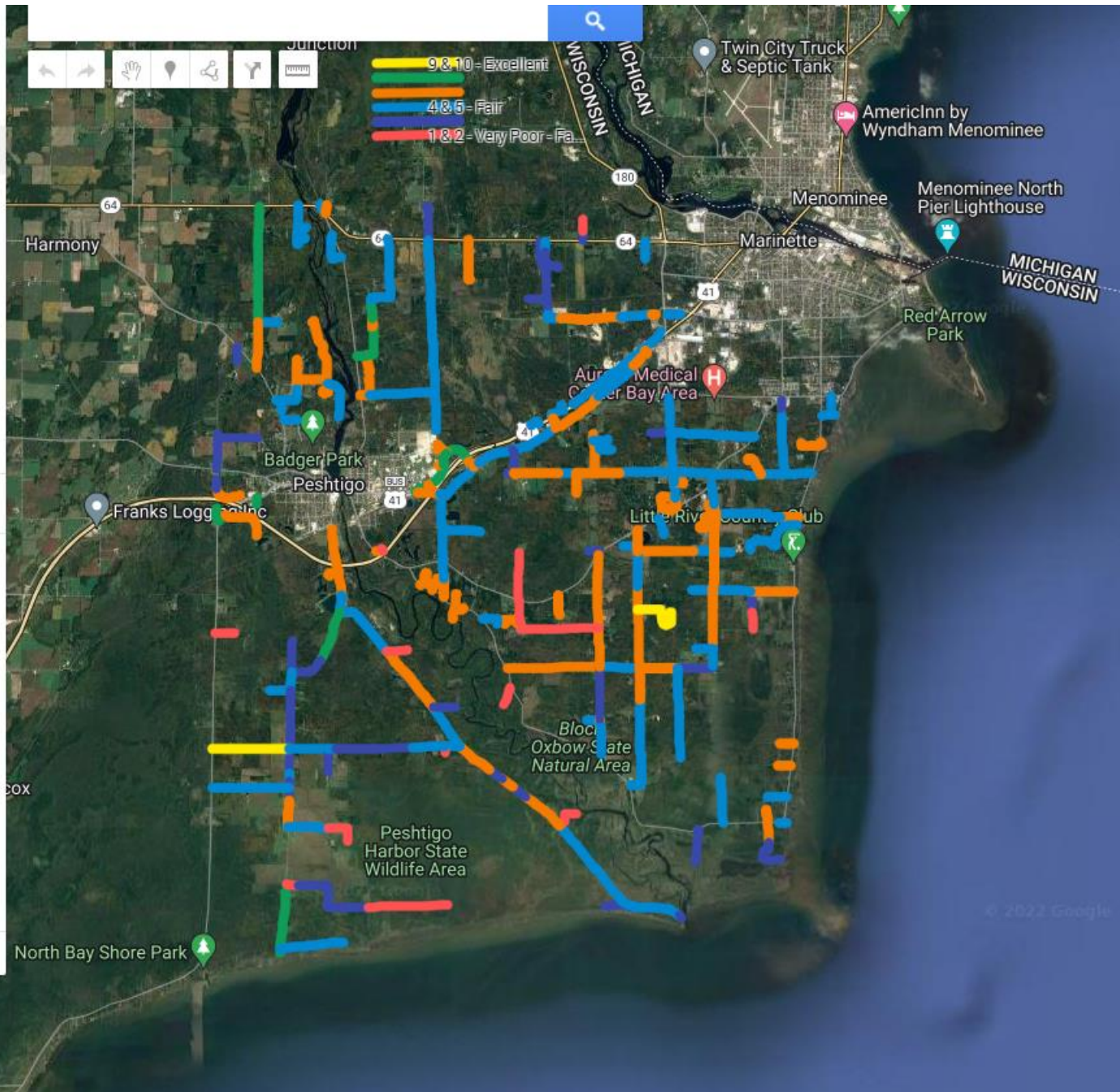
6 (51)

7 (41)

8 (20)

10 (2)

Base map



Peshtigo - PASER Rating Map - 2...

67 views
Last edit was seconds ago

Add layer + Share Preview

PASER KEY

Individual styles

- 9 & 10 - Excellent
- 8 - Very Good
- 6 & 7 - Good
- 4 & 5 - Fair
- 3 - Poor
- 1 & 2 - Very Poor - Failing

Peshtigo PASER Data - 2022

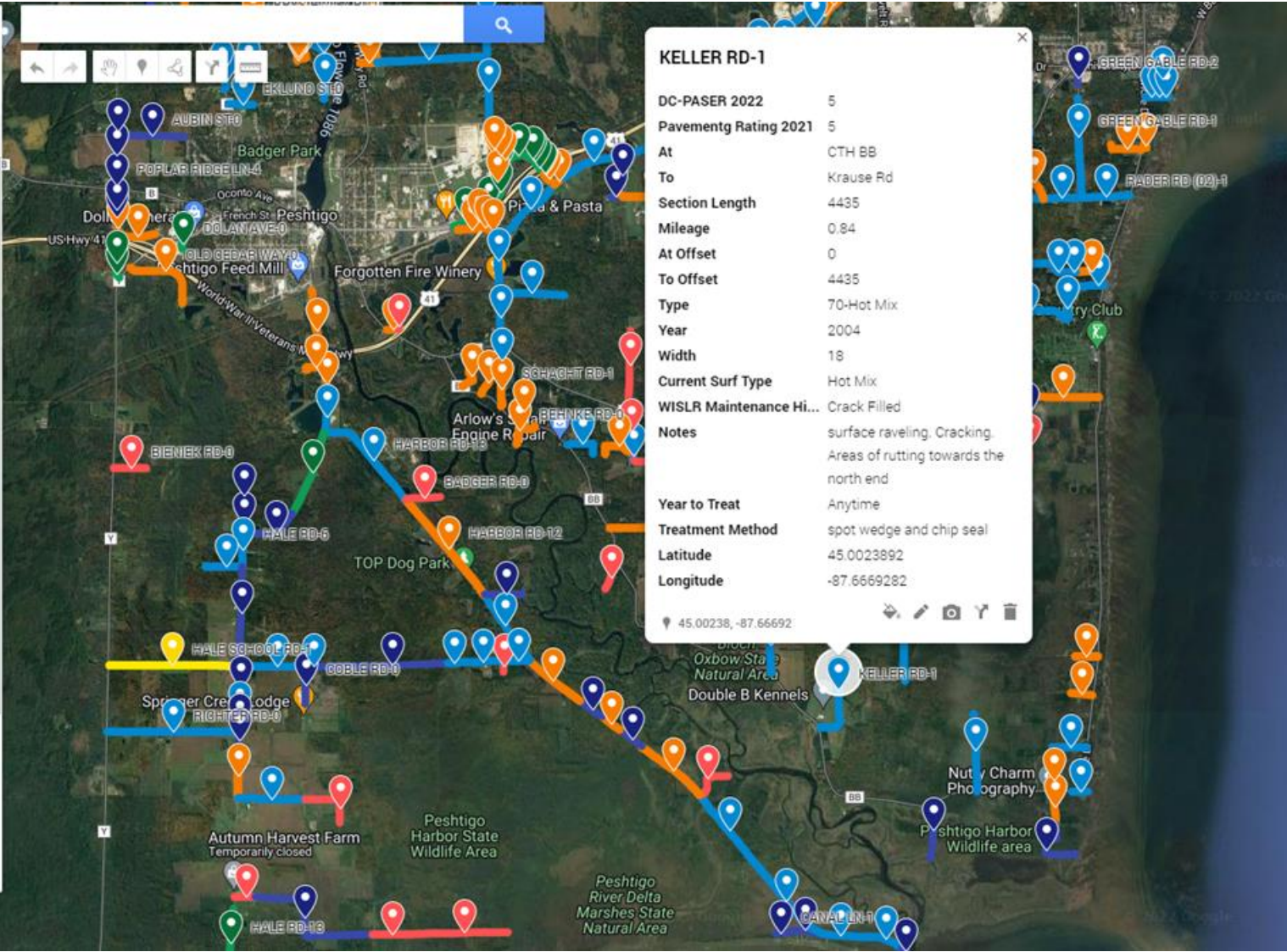
Styled by DC-PASER 2022

- 1 (5)
- 2 (10)
- 3 (44)
- 4 (48)
- 5 (70)
- 6 (53)
- 7 (41)
- 8 (20)
- 10 (2)

Peshtigo PASER Rating by Sections

Styled by PASER Rating

- 1 (4)
- 2 (11)



KELLER RD-1

DC-PASER 2022	5
Pavementg Rating 2021	5
At	CTH BB
To	Krause Rd
Section Length	4435
Mileage	0.84
At Offset	0
To Offset	4435
Type	70-Hot Mix
Year	2004
Width	18
Current Surf Type	Hot Mix
WISLR Maintenance Hi...	Crack Filled
Notes	surface raveling. Cracking. Areas of rutting towards the north end
Year to Treat	Anytime
Treatment Method	spot wedge and chip seal
Latitude	45.0023892
Longitude	-87.6669282

45.00238, -87.66692

Grants and Funding Sources

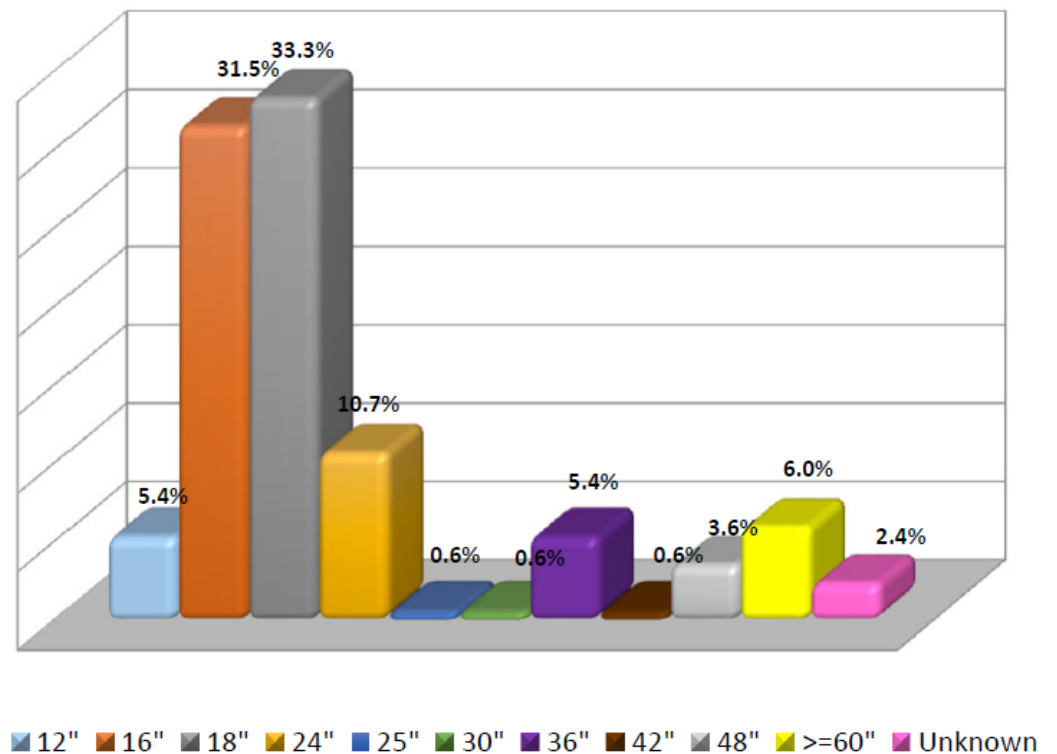
- ▶ Local Road Improvement Program (LRIP)
 - ▶ TRI Entitlement
 - ▶ TRI-D
 - ▶ TRI-S
- ▶ DNR - State Park and Forest Road Aid Funds
- ▶ County Culvert Aid

Culvert Assessment, Inventory & Mapping

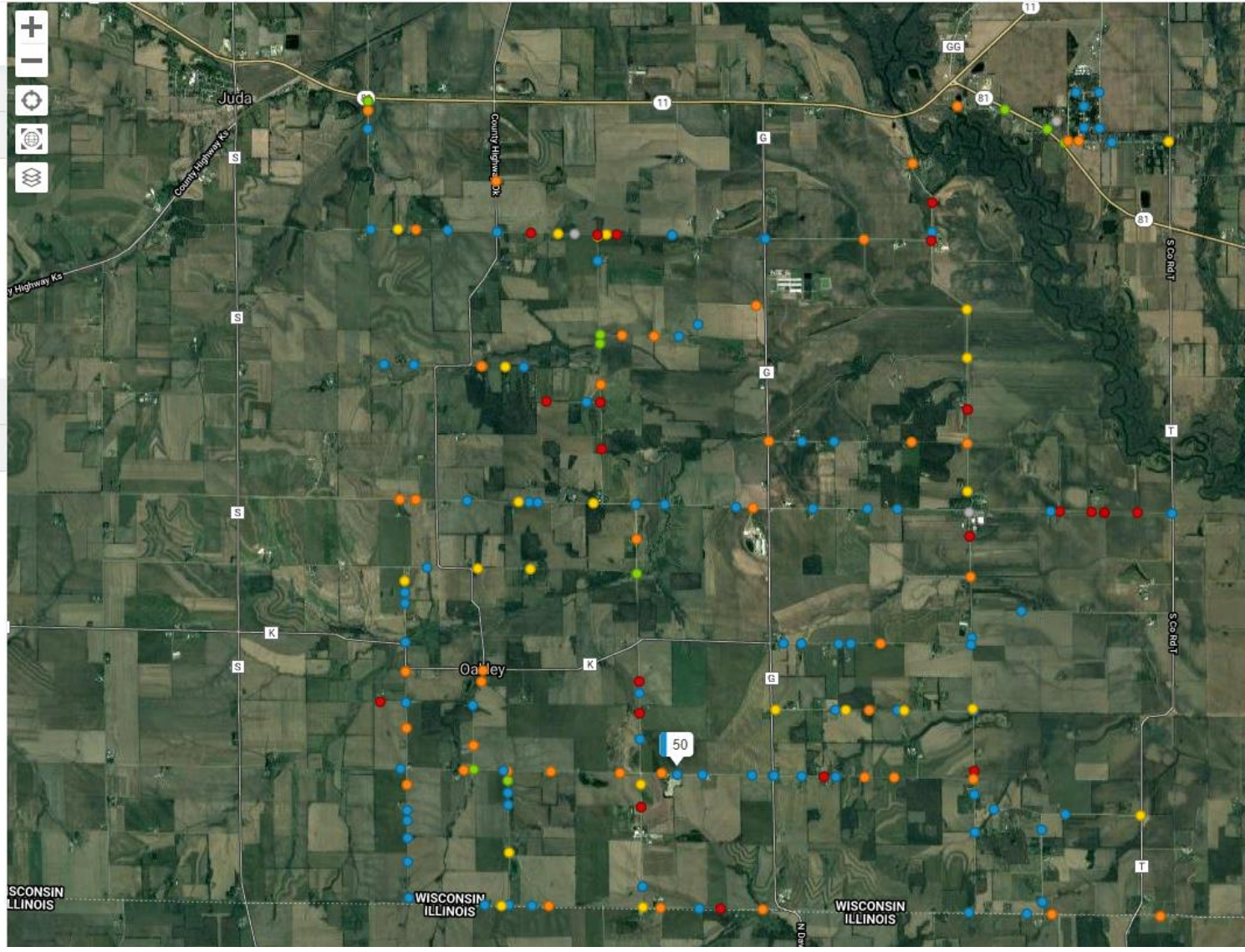
- ▶ Locate Town road culverts
- ▶ Assign an inventory ID#
- ▶ Enter up to 30 pieces of information including photos on each Culvert
- ▶ Record GPS coordinates (approx. 2 ft accuracy)
- ▶ Final detailed report
- ▶ Load this data into an easy-to-use interactive mapping system
- ▶ Provide Culvert Maintenance Priority List

Town of Oakdale - 2019		
Culvert Width		
Culvert Width	Total #	%
12"	9	5.4%
16"	53	31.5%
18"	56	33.3%
24"	18	10.7%
25"	1	0.6%
30"	1	0.6%
36"	9	5.4%
42"	1	0.6%
48"	6	3.6%
>=60"	10	6.0%
Unknown	4	2.4%
Total Culverts	168	100%

% By Culvert Width

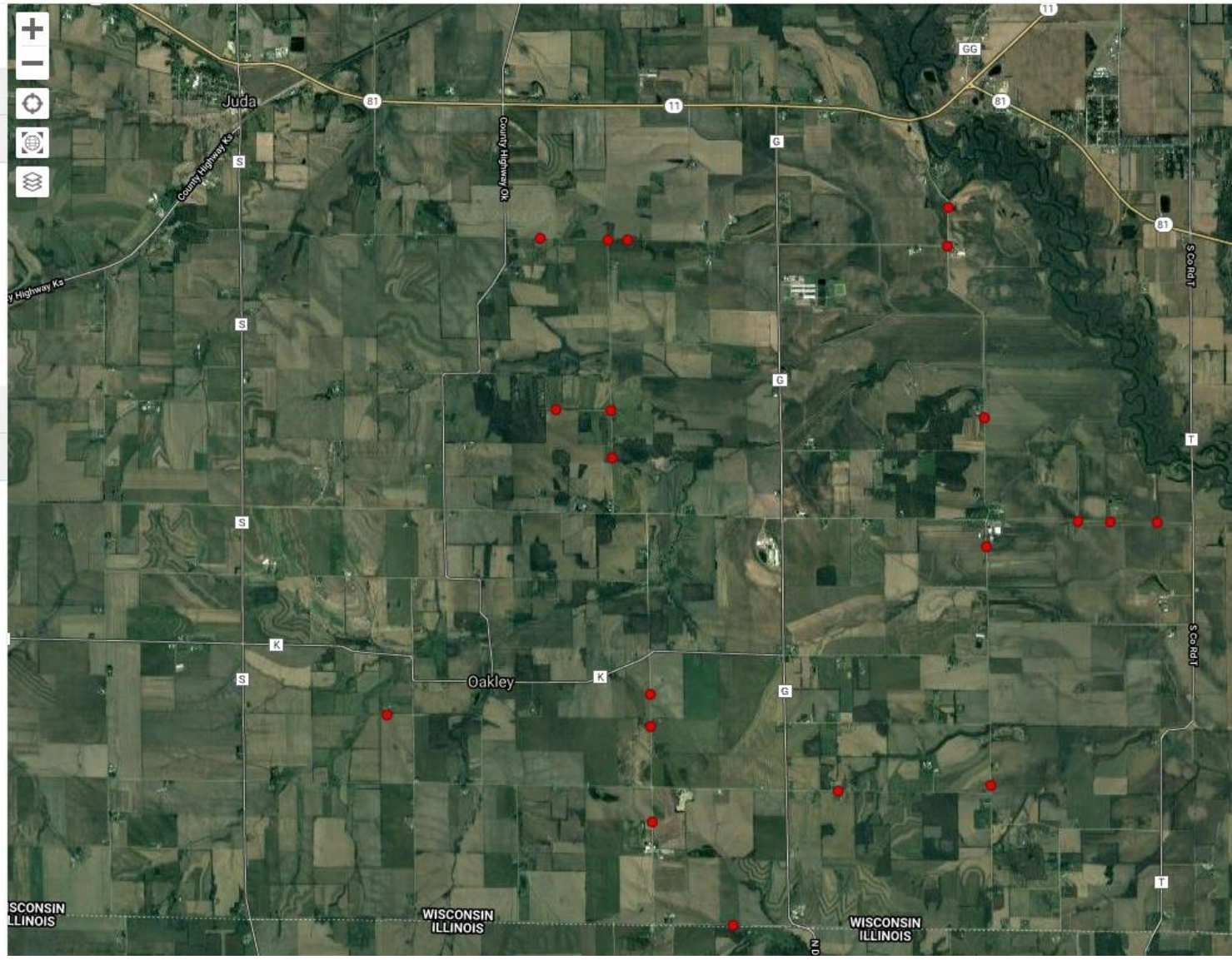


- QUICK FILTERS**
- Record Updated
 - Status
 - 5 - Like New
 - 4 - Good
 - 3 - Okay
 - 2 - Poor
 - 1 - Failing
 - Possible Culvert
 - Unsure
 - Assignment
 - Projects



QUICK FILTERS

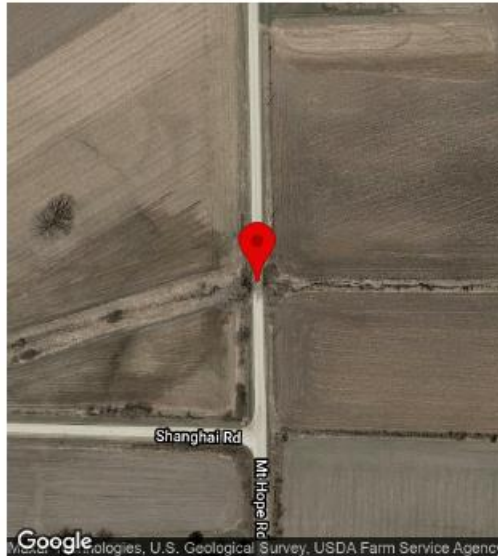
- Record Updated
- Status
 - 5 - Like New
 - 4 - Good
 - 3 - Okay
 - 2 - Poor
 - 1 - Failing
 - Possible Culvert
 - Unsure
- Assignment
- Projects



Spring Grove - Culvert Inventory

33

11/12/2018, 3:19:36 PM CST



CREATED

🕒 11/12/2018, 3:16:21 PM CST

👤 by Jeff Delmore

UPDATED

🕒 11/12/2018, 3:19:36 PM CST

👤 by Jeff Delmore

LOCATION

📍 42.515847, -89.395440

PROJECT

📁 No Project

ASSIGNED TO

👤 No Assignment

Info

Culvert Number	33
Road Name	Mt Hope Rd
Owner	Town
Road Surface Type	Asphalt w Chip Seal
Structure Type	Culvert
Culvert Direction	East and West
Flow Direction	East
Moving Water?	Intermittent Stream

Culvert Details

Material Type	Metal
Culvert Shape	Round
Culvert Width	36
Culvert Length	35
Culvert Height	
Culvert Interior	Corrugated

Culvert Condition

Condition Rating	1 - Failing
% Blockage	0-10%
Culvert Tube Condition	Bottom Rusting Out, Poor
Inlet Conditions	Poor
Inlet End Wall	None
Outlet Conditions	Poor
Outlet End Wall	None
Outlet Discharge Type	N/A
Service Needed?	replace
Replace?	Replace - Put on Schedule
Attention Required?	Yes - General
Buried?	No
Maintenance Notes	
Contractor Name	
Installation Date	
Inspection Date	

















16-GA
V.H.
1939

16-GA

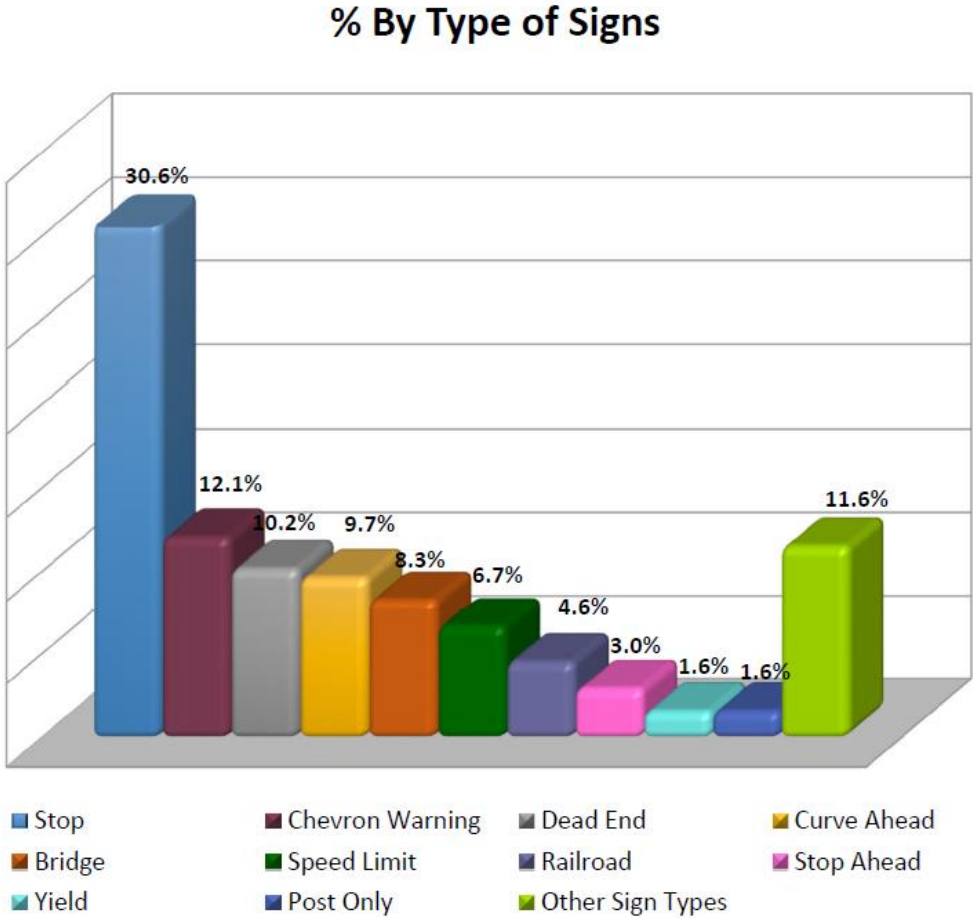


1939

Traffic Sign Inventory & Mapping

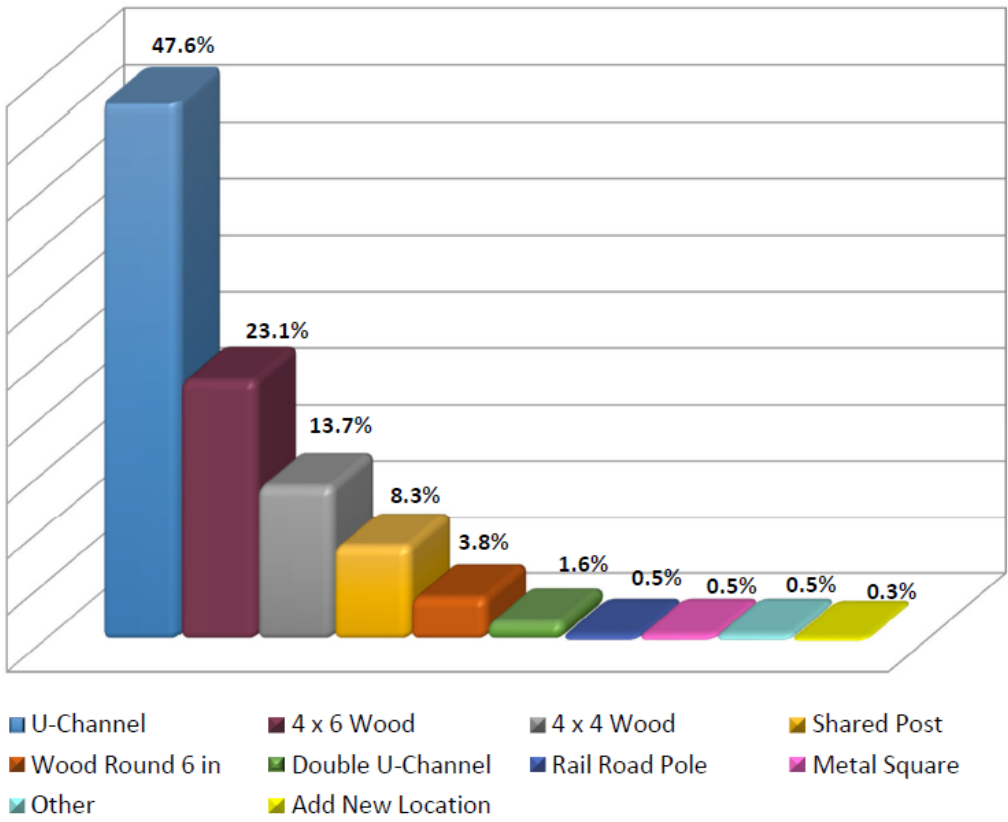
- ▶ Assign an inventory ID#
- ▶ Enter each sign into a database including condition and measurements of both the Sign and Post
- ▶ Record GPS coordinates
- ▶ Take digital photo of each sign
- ▶ Load this data into an interactive mapping system personalized by Delmore Consulting
- ▶ Final report suggesting signs and posts that need to be replaced

Town of Carson - 2020		
Type of Signs		
Type of Signs	Total #	%
Stop	114	30.6%
Chevron Warning	45	12.1%
Dead End	38	10.2%
Curve Ahead	36	9.7%
Bridge	31	8.3%
Speed Limit	25	6.7%
Railroad	17	4.6%
Stop Ahead	11	3.0%
Yield	6	1.6%
Post Only	6	1.6%
Other Sign Types	43	11.6%
Total Traffic Signs	372	100%



Town of Carson - 2020		
Post Type		
Post Type	Total #	%
U-Channel	177	47.6%
4 x 6 Wood	86	23.1%
4 x 4 Wood	51	13.7%
Shared Post	31	8.3%
Wood Round 6 in	14	3.8%
Double U-Channel	6	1.6%
Rail Road Pole	2	0.5%
Metal Square	2	0.5%
Other	2	0.5%
Add New Location	1	0.3%
Total Signs	372	100%

% By Post Type



Oakdale-Sign Inventory-2019

Started on 5/20/2019

88

5/20/2019, 5:03:55 PM CDT



CREATED

🕒 5/20/2019, 5:02:13 PM CDT

👤 by Jeff Delmore

UPDATED

🕒 5/20/2019, 5:03:55 PM CDT

👤 by Jeff Delmore

LOCATION

📍 43.902515, -90.362844

PROJECT

📁 No Project

ASSIGNED TO

👤 No Assignment

Sign Asset ID	88
Owner	Town
Road Name	Julep Ave
Recommened New Sign Location	N/A
Sign Field	Curve Ahead ► W1-5 Curve Snake-up
Sign Position	SE
Cardinal Position	SW
Sign Material	Metal
Size	30 in
Sign Color	
Date-Year	
Condition Rating	1 - Replace
Type of Damage-Sign	Cracking-Severe, Shot-Bullets, Peeling, Aged, Chipping
Sign Retroreflectivity	Fail
Repairs / Adjustments-Sign	Replace
Post Type	4 x 4 Wood
Post Condition	1 - Replace
Type of Damage-Post	old
Repairs / Adjustments-Post	Replace
Post Replacement Needed?	Replace
Comments	
Need Attention	Yes-General

Photos







STOP
AHEAD

SPEED
LIMIT
45



ON
IND
VEWAY
HE





WisDOT 6-20 ft Culvert Inventory

- ▶ Over 350 Towns, Villages & Cities
- ▶ 17,000 miles of road
- ▶ Recommended Service Provider for the WTA



H. S. KALHER

Ⓢ CONTRACTOR Ⓢ

1928



W. A. LILJEQUIST

○ CONTRACTOR ○

1933

10/12/13
3/1/13









72+ Towns in 40+ Counties

Miles Reviewed = 4,000+
Sections Rated = 10,000+

Culverts Inventoried = 7,500+
Traffic Signs = 12,000+



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