

CEAM Annual Conference - update



- Jeff Oliver, City Engineer, Golden Valley, MN2050 representative
- Tom Eggum, MN2050 Steering Committee

Purpose



To articulate a convincing case for increased infrastructure investment across Minnesota through a partnership presenting a coordinated voice and unified, comprehensive needs information for today's and tomorrow's citizens and leaders.

or

**EDUCATE THE PUBLIC
ABOUT INFRASTRUCTURE**

Partners



- City Engineers Association of Minnesota
- Minnesota Chapter - APWA
- Minnesota Section - ASCE
- Duluth Section - ASCE
- ACEC MN
- MnDOT
- 12 other professional groups

Sponsors



- Many donors
- Consultants, vendors, partners
- Videos were costly
- > \$100 grand

Phases



- Documentation
- Messages
- Outreach

Progress



- Website: *mn2050.org*
- Presentations
- 3 videos
- Asset Management surveys
- Outreach campaign...!...?



MN2050 | **State of the Infrastructure**
2015 Survey

aka...Asset Management



AMHERST H.
WILDER
FOUNDATION

Here for good.



Study Purpose

- MN2050 requested MnDOT State Aid to Local Cities fund a study about infrastructure and asset management in MN
 - Wilder Research was contracted to conduct this study in 2015 and again in 2016
- Goal: To share information with professionals, policy-makers, and the public about the types and condition of infrastructure assets in MN

Who? What? When?

- Web-based survey
- 266 Engineers and other professionals who manage infrastructure assets for a city, county, or state agency in MN
- Conducted in June 2015
- 53% response rate

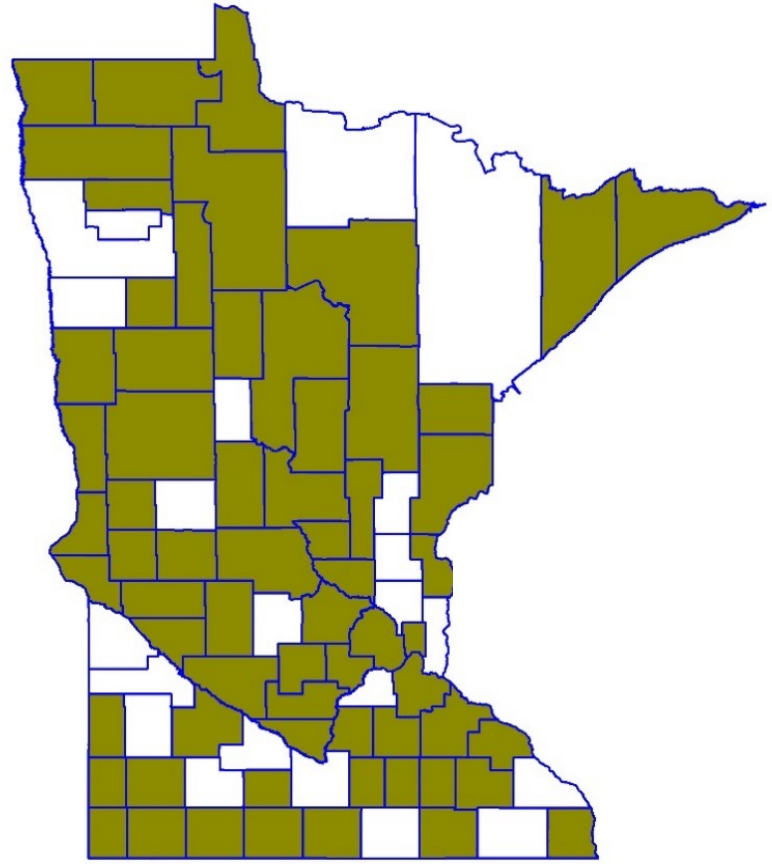
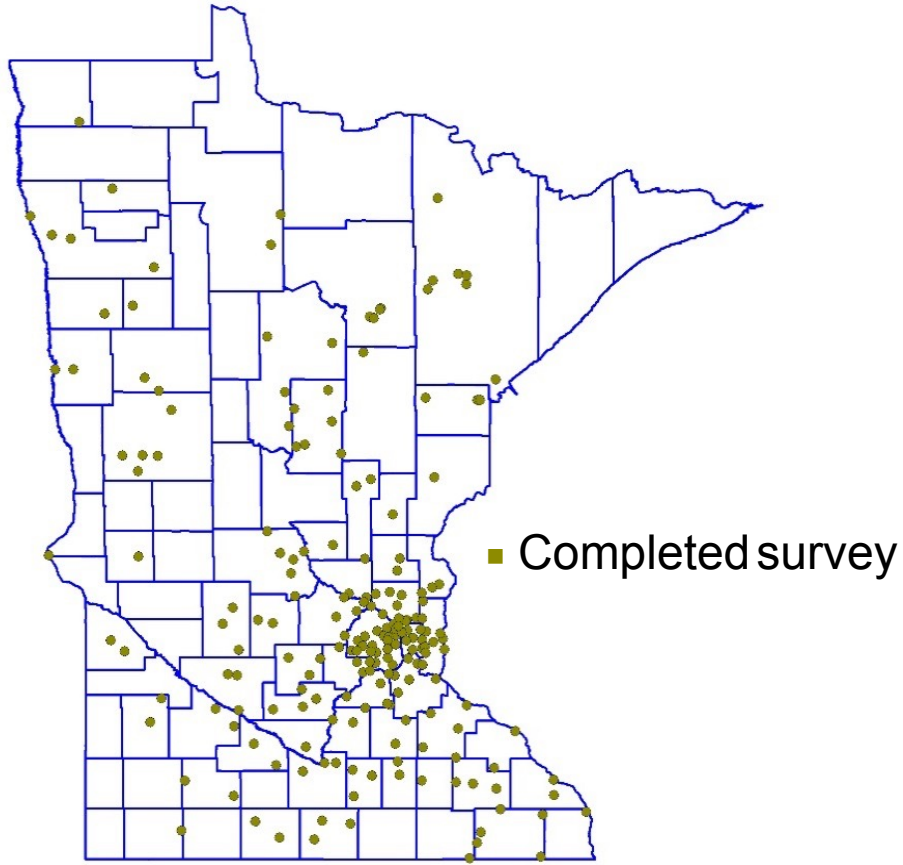
Who?



Survey respondents

	Number of jurisdictions of this type that were sampled	Number of jurisdictions that completed the survey	Response rate
Cities with less than 5,000 residents ¹	269	96	35%
Cities with 5,000 or more residents ²	148	104	70%
Counties ²	87	64	74%
State agencies	2	2	100%
Total	506	266	53%

Where?



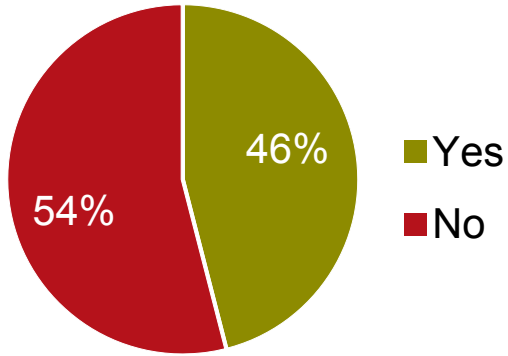
Jurisdictions in MN manage many types of assets



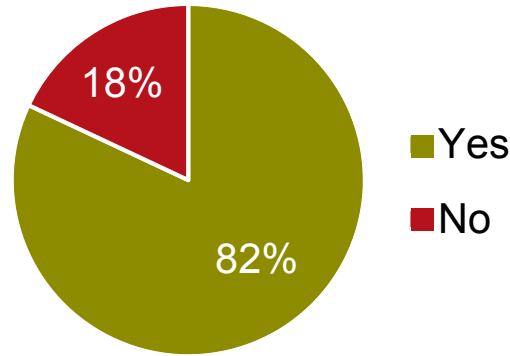
	Smaller cities (N=88)	Larger cities (N=98)	Counties (N=60)	State agencies (N=2)
Roads	100%	100%	100%	50%
Bridges	16%	63%	100%	50%
Transit lines	1%	7%	8%	0%
Traffic fixtures	75%	81%	75%	50%
Buildings	91%	91%	80%	100%
Water supply and distribution pipes	91%	96%	8%	0%
Waste water collection and treatment	93%	96%	5%	50%
Storm sewers	91%	97%	67%	100%
Storm ponds	61%	95%	42%	50%
Airports	17%	20%	17%	0%
Ports	0%	3%	2%	0%
Railways	12%	11%	12%	0%
Electrical systems	22%	43%	10%	0%
Solid waste facilities	12%	8%	35%	0%
Natural gas networks	17%	9%	7%	0%
Total number of asset types managed	14	15	15	7

Many practice asset management

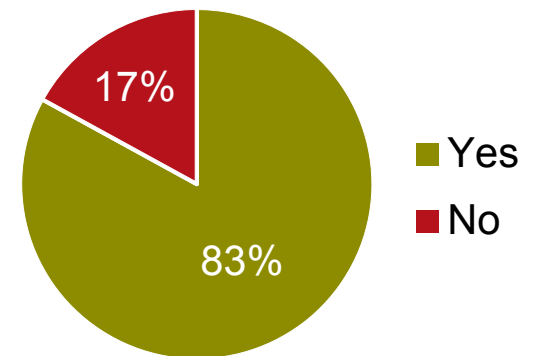
Smaller cities (N=96)
(pop. < 5,000)



Larger cities (N=104)
(pop. ≥ 5,000)



Counties (N=64)



Condition and value of infrastructure in MN

- Assets most likely to be fully mapped are:
 - roads (85%)
 - airports (82%)
 - bridges (79%)
 - water supply and distribution pipes (77%)
 - waste water collection and treatment assets (72%)
- Assets least likely to be mapped are:
 - buildings (29%)
 - solid waste facilities (29%)
 - natural gas networks (27%)
 - traffic fixtures (26%)
 - transit lines (23%)
- Little is known about the current value of infrastructure assets in MN

3rd Phase: Outreach

- Most challenging
- Redefined as “Engagement”
- Engage at grassroots levels
- *Focus on political caucuses*
- Need vast participation: 250-1500

Engage in politics at local level

- Staff & fund the ‘campaign’
- Educate our partners
- Recruit partners’ members
- Train and prep.
- Attend caucuses
- Influence policies & budgets