

Asset Management

Getting Started, Future Planning, and Resources For Minnesota

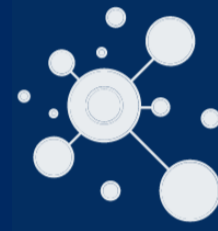




Most infrastructure owners have no plans for future needs

Operating reactively (managing assets) rather than proactively (asset management).



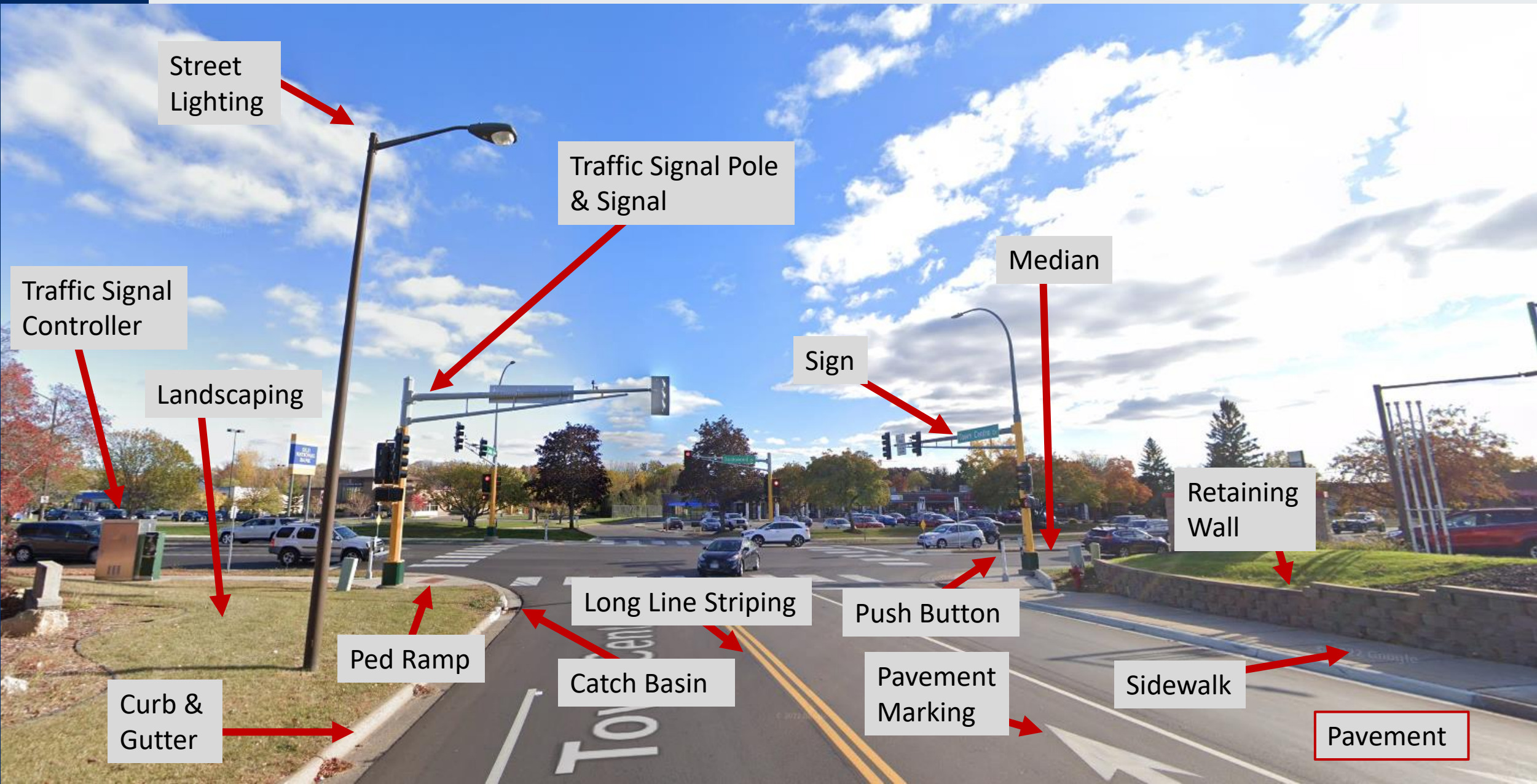


What is Asset Management?

Assets are essentially anything that provides value. An organization's coordinated activities to maximize the value of its assets is the organization's asset management system.

- APWA's Asset Management System Guidebook





Street Lighting

Traffic Signal Pole & Signal

Median

Traffic Signal Controller

Sign

Retaining Wall

Landscaping

Ped Ramp

Long Line Striping

Push Button

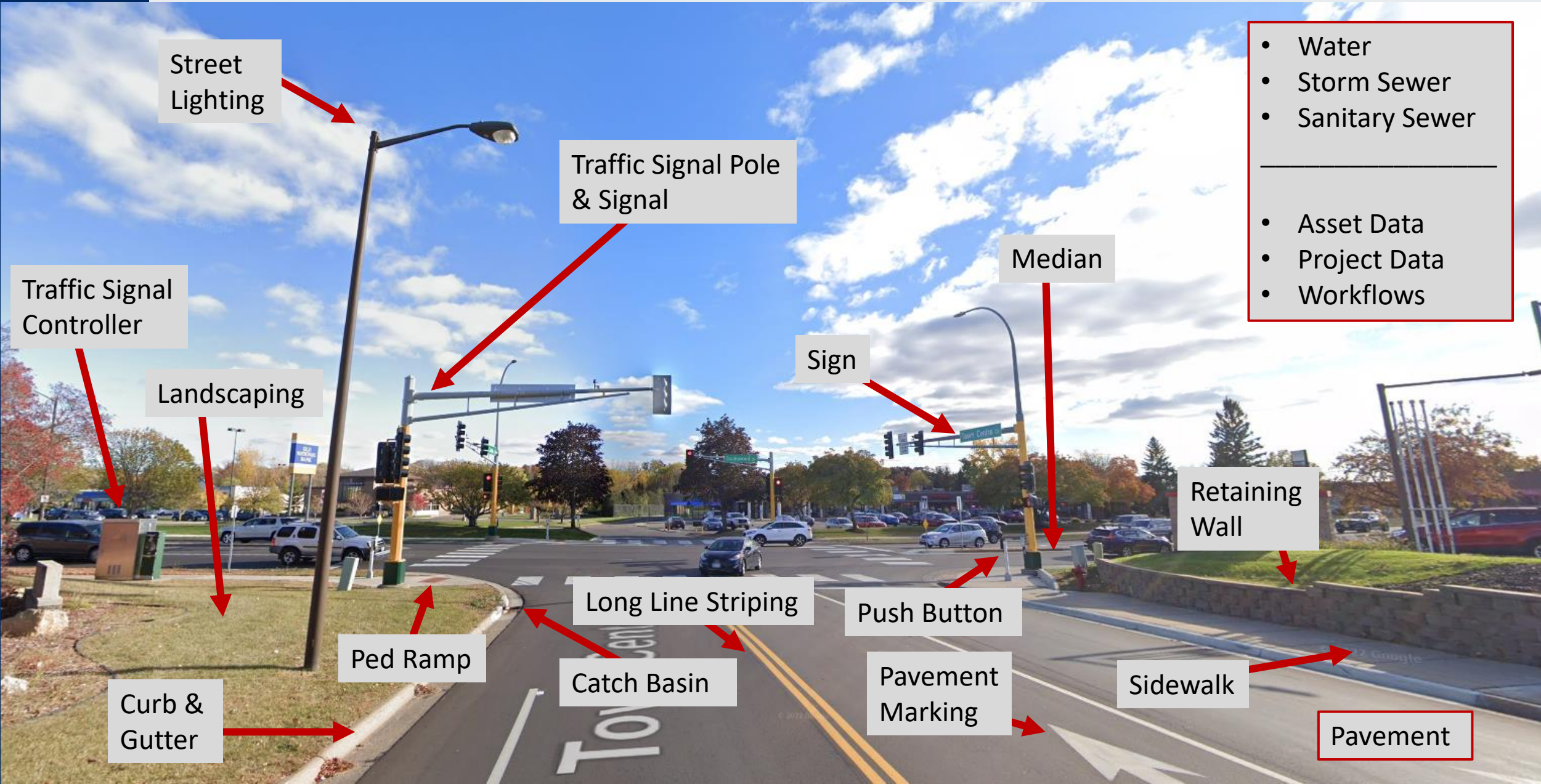
Sidewalk

Curb & Gutter

Catch Basin

Pavement Marking

Pavement



Street Lighting

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Pavement Marking

Median

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Sidewalk

Pavement

- Water
 - Storm Sewer
 - Sanitary Sewer
-
- Asset Data
 - Project Data
 - Workflows



What does Asset Management cost?

The cost to implement asset management is less than the savings and efficiencies it creates:

- reduced risk and emergency repairs
- cost effective strategic maintenance
- more efficient operations



Asset Management isn't a specific software or tool, it's a culture and continuing practice within an organization

There are lots of ways to get started





- **Talk to Decision Makers, Staff and Stakeholders**
- **Outline Policies**
- **Collect Asset Data**
- **Create/Institute Condition Inspections**
- **Document Workflows and Processes**
- **Digitize/Organize Papers**
- **Gather Project Info**



What is the desired result of all the data collection and document organization?

- Proactive Maintenance
- Project Planning (CIP)
- Long-Term Forecasts
- Data-Based Budget/Rate Recommendations
- Easy Access to Info
- Increased Efficiency



Challenges for today's infrastructure



Development and Infrastructure Improvement System (DIIS)

Public Projects/...
Project ...

All
City of Apple Valley
City of Eagan
CityofEagan
CityofEagan CityofInverGroveHeights
Dakota County

Project ...
Filter Reset (CLEAR th...
CLEAR
REF
On the Matri...

No
Yes
All P

Public Project **221** Count

Public Projects/Contracts

Entity: City of Eagan NOTE:	Woodhaven Park Mural CIP Year: 2021 Funding: Inspector:
Proj#: N/A Cont#: 21-23	
Entity: City of Eagan NOTE: Julie Anderson	
Proj#: N/A Cont#: 21-22	Sky Hill Park Art Bench CIP Year: 2021 Funding: Inspector:
Entity: City of Eagan NOTE: Julie Anderson	
Proj#: N/A Cont#: 21-21	Patrick Eagan Park Art Bench CIP Year: 2021 Funding: Inspector:
Entity: City of Eagan NOTE: Julie Anderson	
Proj#: N/A Cont#: 21-20	Northview Park & Heine Pond Art Benches CIP Year: 2021 Funding: Inspector:
Entity: City of Eagan NOTE: Julie Anderson	
Proj#: N/A Cont#: 21-24	Caponi Art Park - Artwork on Loan CIP Year: 2021
Last update: 2 minutes ago	

County of Dakota, Metropolitan Council, MetroGIS, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA

Powered by Esri

ADD A NEW PROJECT

Eagan

Public Construction Improvement Project

- Matrix Info ▶
- Basic PUBLIC Project Information ▶
- Statuses ▶
- People & Inspections ▶
- Dates & Documents ▶
- Agreements & Easements ▶
- Warranty Bonds ▶
- Location ▶

Submit

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Resources

- Local Road Research Board (LRRB), AM Guide for Local Agencies
- Institute of Asset Management (IAM), AM Anatomy
- Institute of Public Works Australasia (IPWEA) AM Community
- APWA Minnesota AM Committee
- AM Roadmap
- Guide to Successful Asset Management

Asset Management Guide for Local Agencies

Report Number 2019RIC06
January 2020

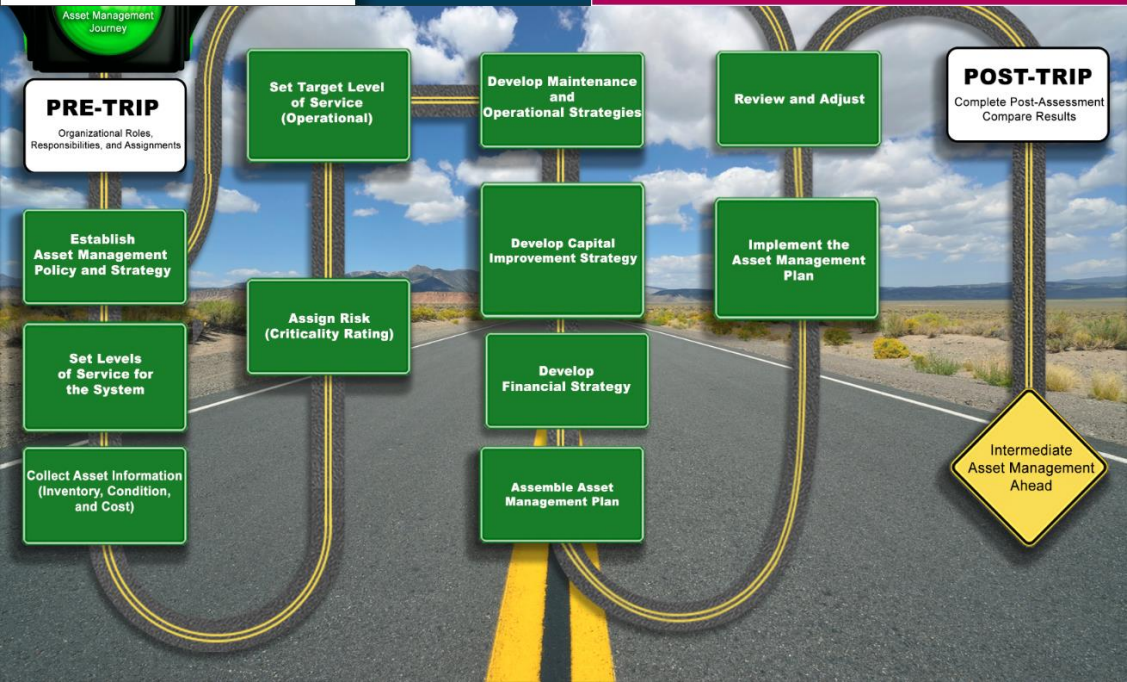
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Minnesota Local Road Research Board
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lrrb.org

Asset Management – an anatomy
Version 3 December 2015

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The Institute of Asset Management

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Minnesota Infrastructure Alliance (MNIA)

www.apwa-mn.org/about/Minnesota2050

MN APWA Asset Management Committee

www.apwa-mn.org/membership/Committees/56

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