IT’S MORE THAN A PROJECT. IT’S OUR HOMETOWN.
DATA & DECISION MAKING
THE CULTURE OF ASSET MANAGEMENT
SECTORS

CITIES & COMMUNITIES
- Municipal infrastructure
- Asset Management
- Community Planning
- Land Development
- Recreation & Tourism
- Watershed Management
- Buildings

TRANSPORTATION & TRANSIT
- Design-build / P3
- Highways
- Bridges
- Ports
- Transit
- Airports

ENERGY & RESOURCES
- Oil & gas (LNG) facilities
- Oil & gas (LNG) pipelines
- Renewable Energy
- Power Transmission
- Upstream Oil & Gas
- Mining & Minerals
- Forestry
Strategic Design approach to asset management considers the integration of policy, plans, decisions, & how data is used to shape and manage resilient communities.
Resilient Communities

- Health & Wellbeing
- Asset Management
- Leadership & Strategy
- Infrastructure & Natural Systems
- Economy & Society

CULTURE
Infrastructure & Natural Systems:
- Deliver critical services that protect and connect people
- Provide the framework & structure of a community
- Influence how individual community members experience and interact with their community

CULTURE

Resilient Communities

Health & Wellbeing

Asset Management

Economy & Society

Leadership & Strategy

Infrastructure & Natural Systems
Leadership & Strategy

• Applying informed, inclusive, integrated, and iterative decision-making processes
Asset management is a process of shaping resilient communities in the most cost-effective manner.
Infrastructure is not built for the sake of building infrastructure. It is designed and constructed to support the goals towards thriving and resilient communities.
What decisions do you make that have the largest community impact?

How does infrastructure support the components of a resilient community?
DATA

Categories

Location

Physical Attributes
material, type, size, length, etc.

Condition

Detailed & Quantitative: established practices & standards

Generic & Qualitative: data available through public works maintenance records
DATA
ASSET MANAGEMENT:
• Process of shaping resilient communities in the most cost effective manner

• Provides a framework for decision-making and develops a strategy to deliver value to your community

• Is data-driven
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DATA COLLECTION CONSIDERATIONS:
• How do natural and infrastructure systems support the components of a resiliency in your community?

• What decisions do make that have the largest community impact?

• How can you use data to support these decision?
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ASSET MANAGEMENT IS A DATA-DRIVEN COMMUNITY DEVELOPMENT PROCESS PROVIDING A FRAMEWORK FOR STRATEGIC DECISION-MAKING DELIVERING VALUE TO YOUR COMMUNITY