

FACING REALITY TOGETHER

*Because you can't have what you want
if you don't have what you need!*



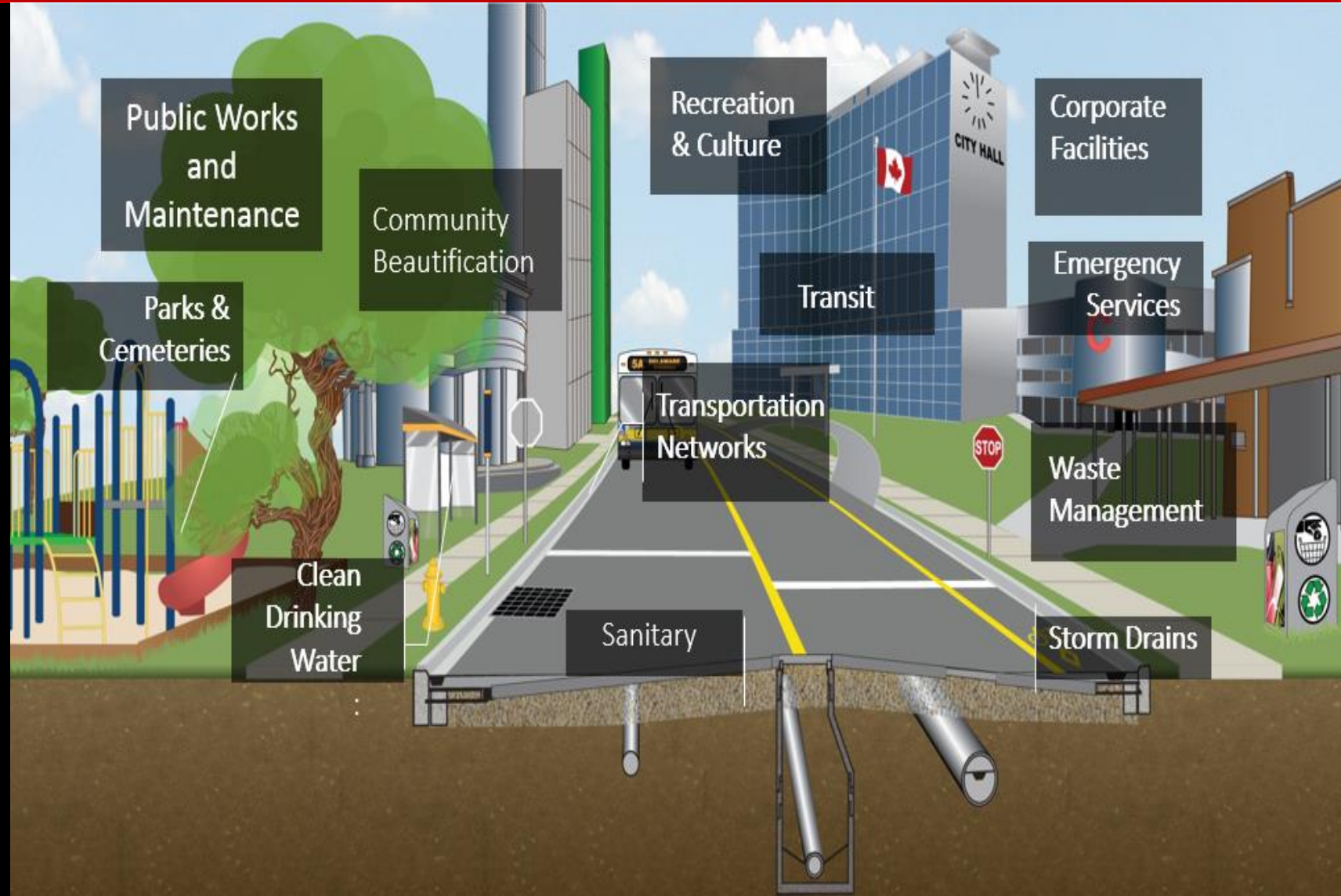
BACK TO BASICS

WHY DOES LOCAL
GOVERNMENT
EXIST?



WHY DOES LOCAL GOVERNMENT EXIST?

Safe,
Sustainable,
Secure
SERVICES
in a Predictable,
Cost Effective
Manner.



WHO

PRIMARY ROLE

What do we need
elected officials for?



I promise
to make
this town
GREAT
AGAIN!

REPRESENT THE COMMUNITY

What services
does our
community
want?



REPRESENT THE COMMUNITY

What are the
services our
community is willing
to pay for?



THE COMMUNITY

You can't ask people what they are willing to pay for if they don't know the costs.





Stop pretending there is no cost!



WHAT IS THE SOLUTION?



SIMPLE?



State of Infrastructure in Canada

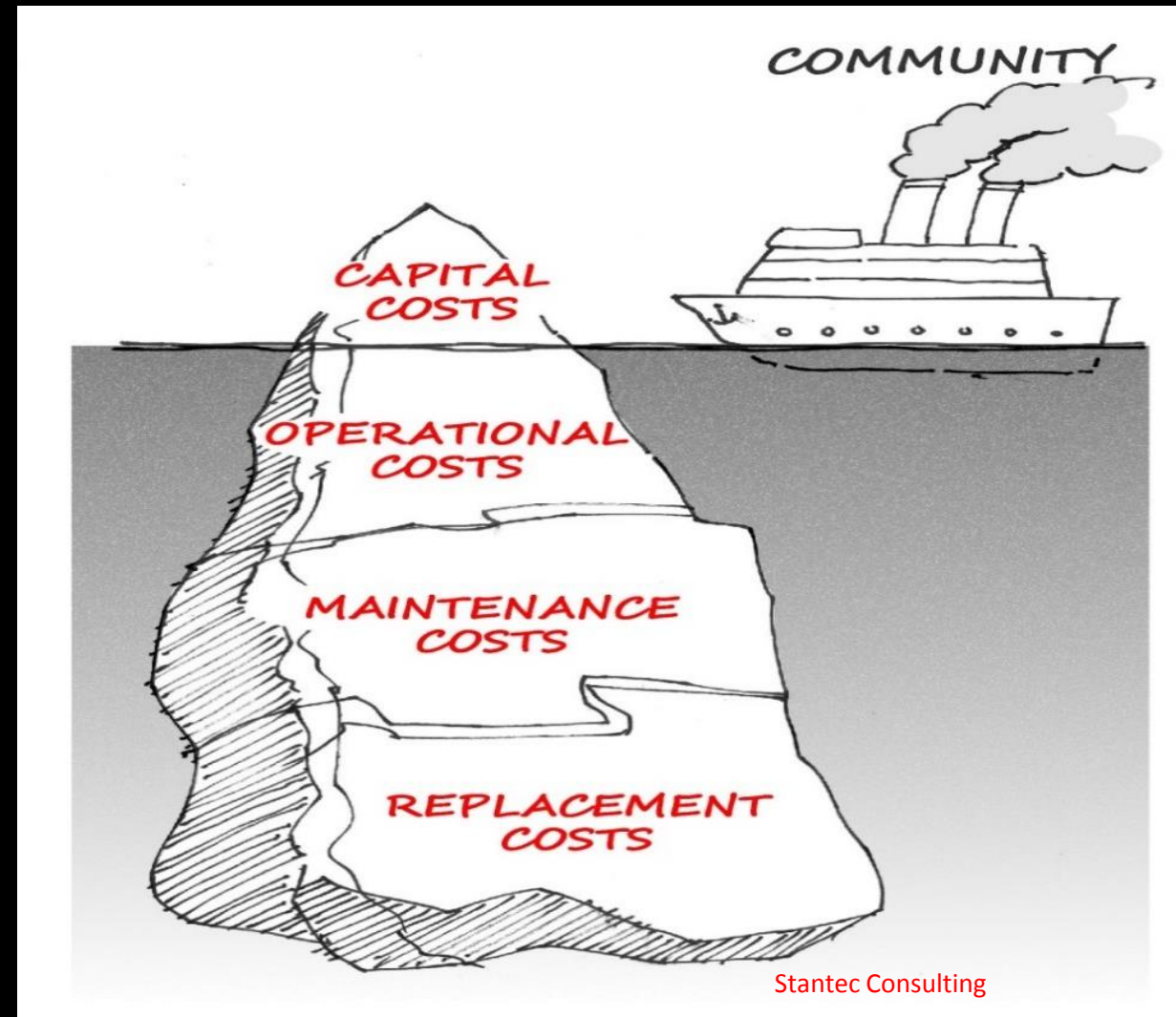
1/3

of all assets in poor or very
poor condition



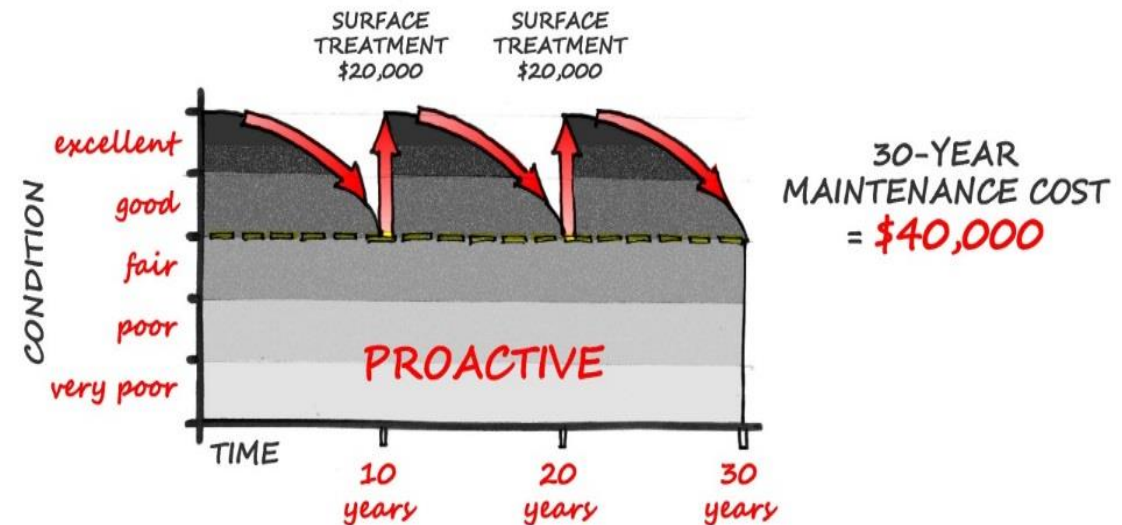
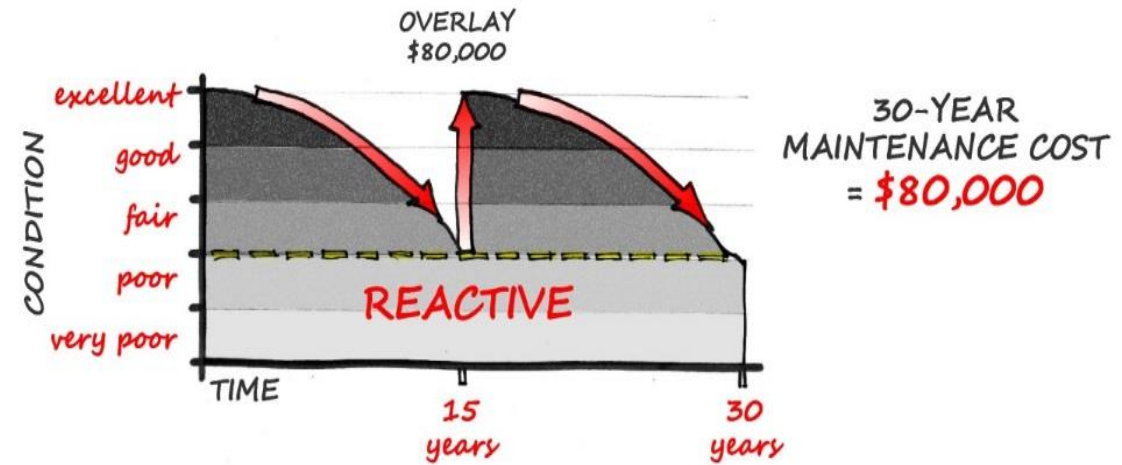
HOW DID WE GET HERE? –SHORT-TERM

- Supporting decisions that don't consider lifecycle infrastructure costs
- Failing to fully recover costs and fees
- Not reporting on infrastructure deficits



HOW DID WE GET HERE? - REACTIVE

Waiting until an asset fails or requires major renewal



MAIN RISK TO FINANCIAL SUSTAINABILITY

- Cost of infrastructure to provide services
- Service levels that don't reflect fiscal capacity

The Future

NEXT EXIT 

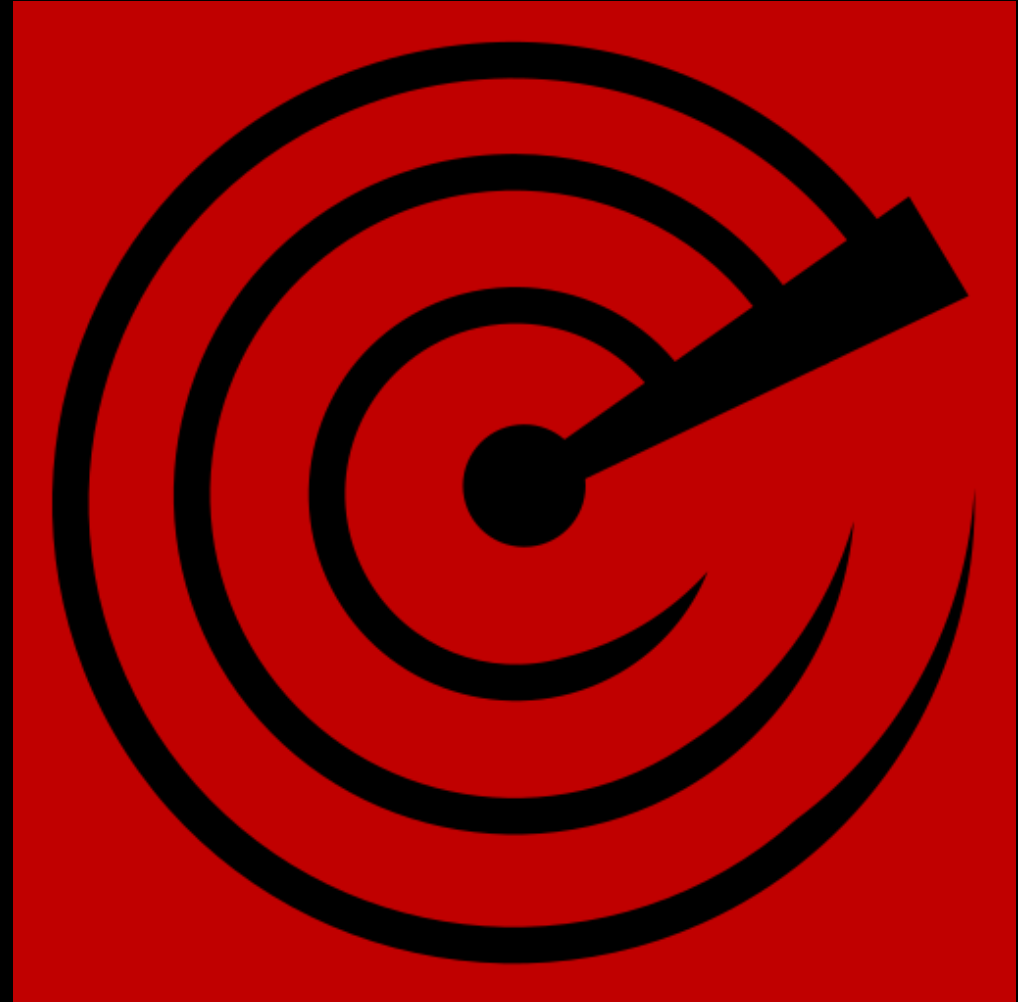
THE ROLE OF STAFF

Stop Protecting
Stop Hiding
Share the burden
Share the story



GET IT ON COUNCIL'S RADAR NOW!

Complexity is the
enemy of
execution!



WHAT

ASSET MANAGEMENT IS NOT...

- Staff's job
- Consultant's job
- Fad or a box to tick
- Project or a single plan
- Software programs
- PSAB 3150 and TCA's
- Data collection
- Overwhelming infrastructure deficits

ASSET MANAGEMENT IS NOT...



"Once you get the hang of it, crisis management is fairly straightforward."

**ASSET
MANAGEMENT
IS ABOUT
ORGANIZATIONAL
ALIGNMENT**



WHAT IS ASSET MANAGEMENT?

A **PROCESS of MAKING DECISIONS** about the use and care of infrastructure to deliver services in the way that

- considers **current and future needs**
- manages **risks and opportunities**
- wise **use of resources**

Asset Management gives you information to plan for
tomorrow

WHAT IS ASSET MANAGEMENT?

- What assets do you own and where are they?
- What condition are they in and what is the expected remaining life?
- What is the desired level of service that our assets provide?
- What service and asset risks need to be prioritized and managed?
- What needs to be done (repair, upgrade or replacement) and when does it need to be done by?
- How much will it cost?
- What assets can or should be retired?

INVENTORY

170.5 km
water mains

- 6,926 connections
- 2,231 valves
- 1,782 water meter setters
- 730 fire hydrants
- 5 booster stations

152.3 km
sanitary sewer
mains

- 6,926 connections estimate, based on water)
- 12 Sanitary lift stations
- 23 pumps

159.4 km
storm mains

- 7,550 connections
- 3,965 catch basins

INVENTORY

• 156 km
sidewalks

161 km
roads
Some with
multiple
lanes!
341 total
lane km

1,258
streetlights

INVENTORY

29.7 km

walkways

12.1 km paved

17.6 km unpaved

21 Park buildings

23 Playgrounds

83 Park benches

78 Park Garbage
cans

36 Picnic Tables

19 Footbridges

40.8

hectares

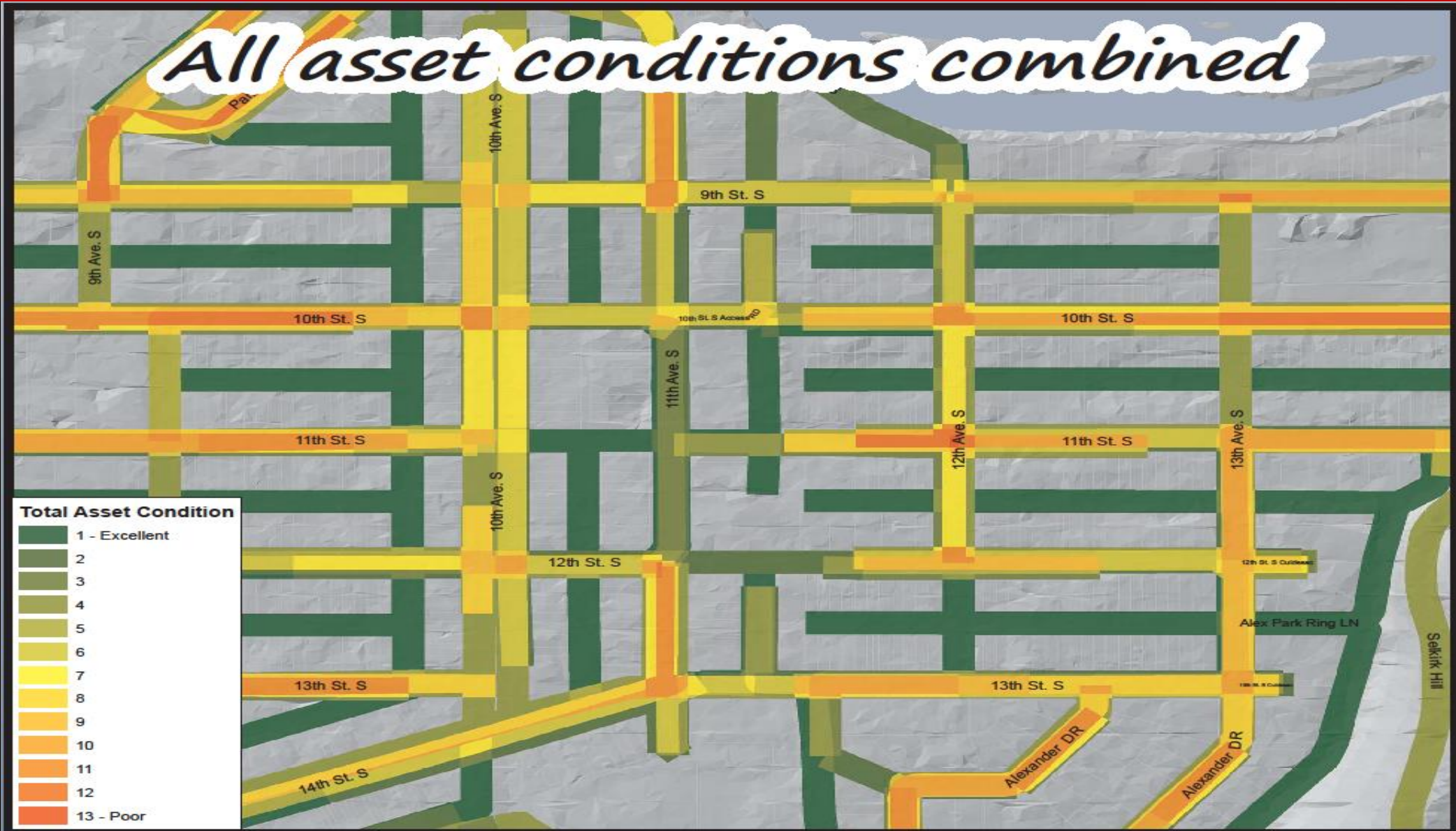
mowed grass
areas

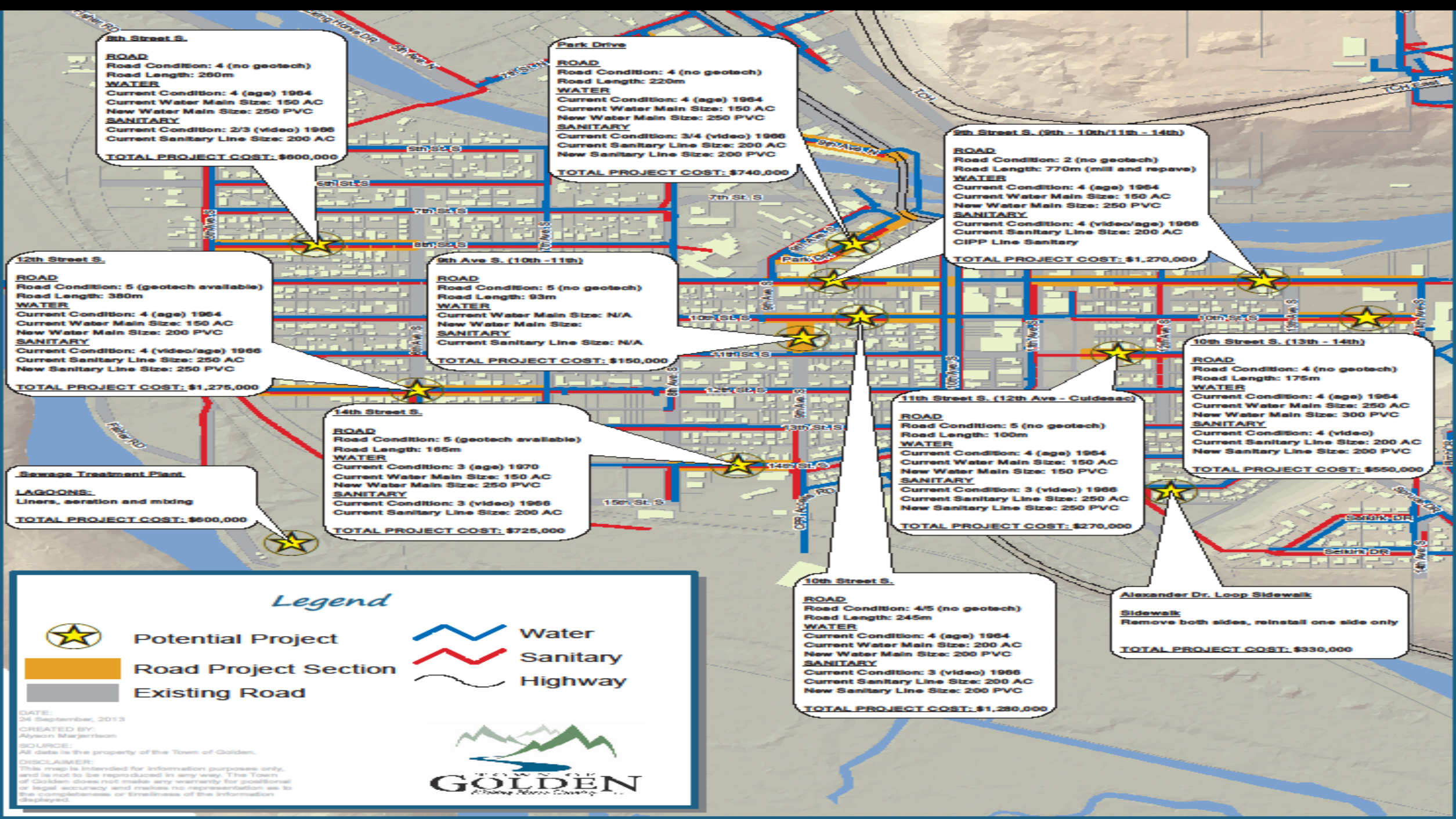
3,400 street trees

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CONDITION ASSESSMENTS





5th Street S.
ROAD
Road Condition: 4 (no geotech)
Road Length: 260m
WATER
Current Condition: 4 (age) 1964
Current Water Main Size: 150 AC
New Water Main Size: 250 PVC
SANITARY
Current Condition: 2/3 (video) 1966
Current Sanitary Line Size: 200 AC
TOTAL PROJECT COST: \$600,000

Park Drive
ROAD
Road Condition: 4 (no geotech)
Road Length: 220m
WATER
Current Condition: 4 (age) 1964
Current Water Main Size: 150 AC
New Water Main Size: 250 PVC
SANITARY
Current Condition: 3/4 (video) 1966
Current Sanitary Line Size: 200 AC
New Sanitary Line Size: 200 PVC
TOTAL PROJECT COST: \$740,000

5th Street S. (5th - 10th/11th - 14th)
ROAD
Road Condition: 2 (no geotech)
Road Length: 770m (mill and repave)
WATER
Current Condition: 4 (age) 1964
Current Water Main Size: 150 AC
New Water Main Size: 250 PVC
SANITARY
Current Condition: 4 (video/age) 1966
Current Sanitary Line Size: 200 AC
CIPP Line Sanitary
TOTAL PROJECT COST: \$1,270,000

12th Street S.
ROAD
Road Condition: 5 (geotech available)
Road Length: 380m
WATER
Current Condition: 4 (age) 1964
Current Water Main Size: 150 AC
New Water Main Size: 200 PVC
SANITARY
Current Condition: 4 (video/age) 1966
Current Sanitary Line Size: 250 AC
New Sanitary Line Size: 250 PVC
TOTAL PROJECT COST: \$1,275,000

9th Ave S. (10th - 11th)
ROAD
Road Condition: 5 (no geotech)
Road Length: 93m
WATER
Current Condition: N/A
Current Water Main Size: N/A
New Water Main Size: N/A
SANITARY
Current Sanitary Line Size: N/A
TOTAL PROJECT COST: \$150,000

Sewage Treatment Plant
LAGOONS
Liners, aeration and mbdng
TOTAL PROJECT COST: \$600,000

14th Street S.
ROAD
Road Condition: 5 (geotech available)
Road Length: 165m
WATER
Current Condition: 3 (age) 1970
Current Water Main Size: 150 AC
New Water Main Size: 250 PVC
SANITARY
Current Condition: 3 (video) 1966
Current Sanitary Line Size: 200 AC
TOTAL PROJECT COST: \$725,000

11th Street S. (12th Ave - Culdesac)
ROAD
Road Condition: 5 (no geotech)
Road Length: 100m
WATER
Current Condition: 4 (age) 1964
Current Water Main Size: 150 AC
New Water Main Size: 150 PVC
SANITARY
Current Condition: 3 (video) 1966
Current Sanitary Line Size: 250 AC
New Sanitary Line Size: 250 PVC
TOTAL PROJECT COST: \$270,000

10th Street S. (13th - 14th)
ROAD
Road Condition: 4 (no geotech)
Road Length: 175m
WATER
Current Condition: 4 (age) 1964
Current Water Main Size: 250 AC
New Water Main Size: 300 PVC
SANITARY
Current Condition: 4 (video)
Current Sanitary Line Size: 200 AC
New Sanitary Line Size: 200 PVC
TOTAL PROJECT COST: \$550,000

Alexander Dr. Loop Sidewalk
Sidewalk
Remove both sides, reinstall one side only
TOTAL PROJECT COST: \$330,000

10th Street S.
ROAD
Road Condition: 4/5 (no geotech)
Road Length: 245m
WATER
Current Condition: 4 (age) 1964
Current Water Main Size: 200 AC
New Water Main Size: 200 PVC
SANITARY
Current Condition: 3 (video) 1966
Current Sanitary Line Size: 200 AC
New Sanitary Line Size: 200 PVC
TOTAL PROJECT COST: \$1,280,000

Legend



Potential Project



Road Project Section



Existing Road



Water



Sanitary



Highway

DATE:
24 September, 2013
CREATED BY:
Alyson Margerison
SOURCE:
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displayed.



WHAT IS ASSET MANAGEMENT?

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SERVICE LEVELS

Does it do what it is supposed to at the level we expect?



My road gets plowed within 24 hours of snowfall, not once a month.

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RISK: STAFF'S ROLE



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REACTIVE OR PLANNED

- Are we going to retain our existing services and maximize their asset lifecycles rather than ignoring and reacting?

(80 % reactive vs. 20 % proactive maintenance)

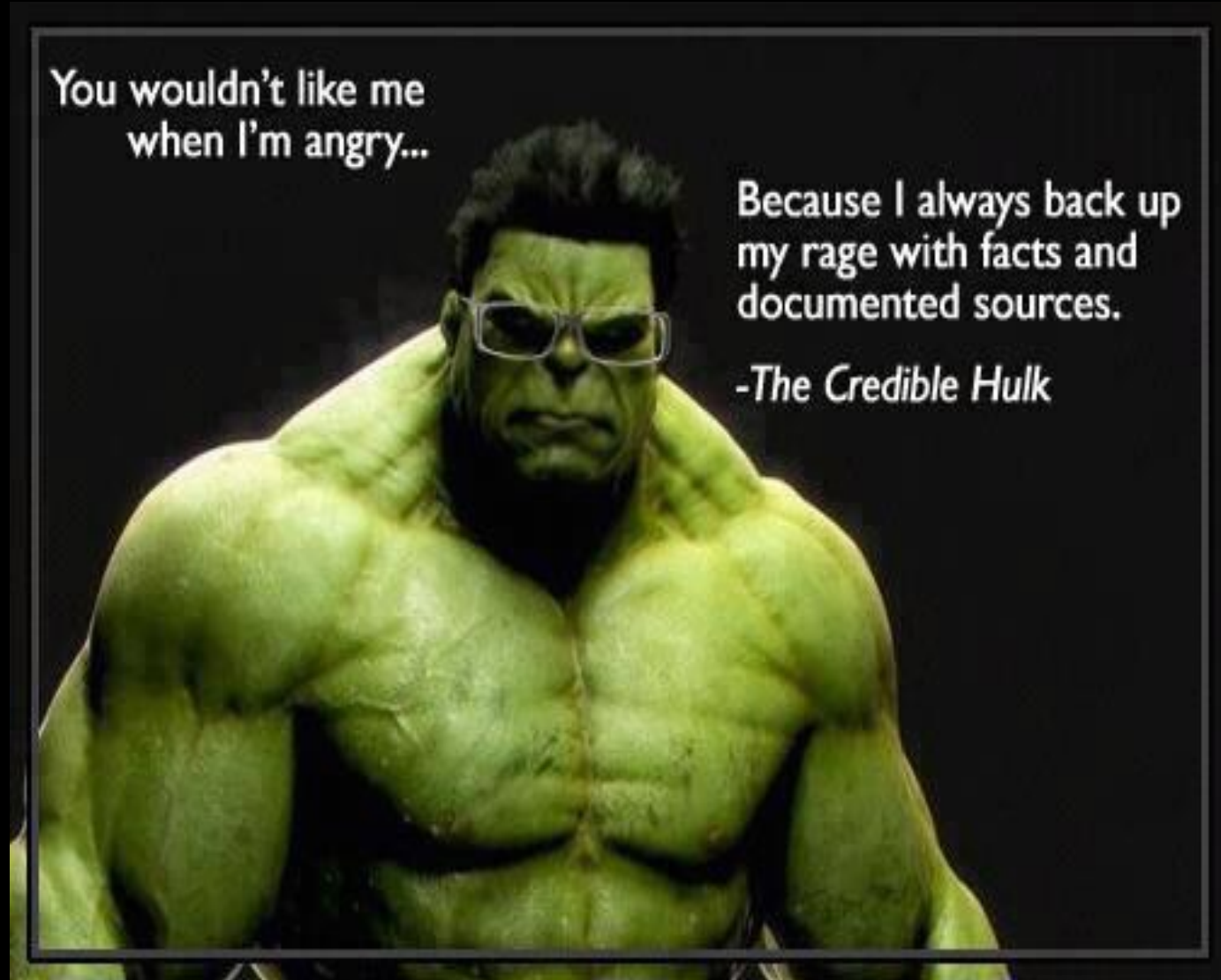
(Life cycle of infrastructure not maximized)



INFORMED DECISION MAKING

A system that gives you the empirical evidence so you can:

- ✓ Do the right thing
- ✓ To the right asset
- ✓ At the right time

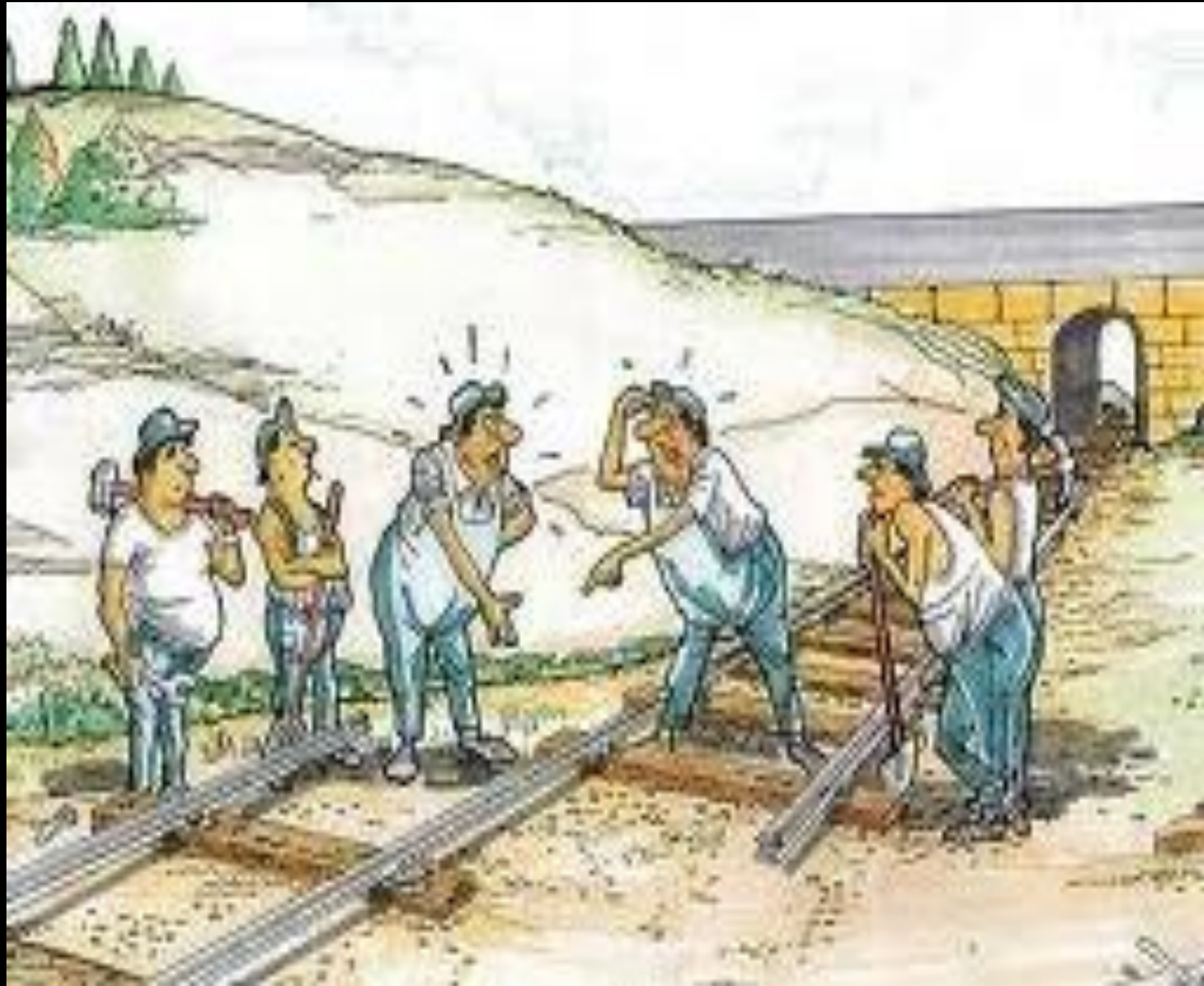


ACTION STEPS

- Policy
- Life Cycle Costing
- Engagement
- Top of mind



WHY A
POLICY?



If we don't want
to pay more,
what are we
willing to give
up?



ASSET MANAGEMENT: AN ITERATIVE PROCESS

I exercised once, but found I was allergic to it. My skin flushed and my heart raced. I got sweaty and short of breath. Very dangerous.



Don't kick the
can farther
down the road.

A person is holding a large black sign with a white border. The sign contains the text:

DO SOMETHING
TODAY THAT
YOUR FUTURE
SELF WILL
THANK YOU
FOR

The person is wearing a blue shirt and jeans, and is standing outdoors with green trees and a building in the background.

Early in the season
Just about budget time
Council wants no tax increase
Staff starting to lose their mind
Infrastructure gap is growing
We got no policy
We deferred our maintenance
Be Reactive is our strategy

Down on the Corner
Under the street
Water main's about to blow
Bring a nickel, tap your feet

Buried under piles of data
None of it makes sense
Time to call experts
To help clean up the mess
Inventory and condition
What's the life expectancy
We need more information
To know what the cost will be

Down on the Corner
Under the street
Water main's about to blow
Bring a nickel, tap your feet

How do we tell the public
That things are really bad
It's gonna cost some money
And you know they will be mad
We have to tell the truth
Communication is the key
For future generations
What is our destiny
Is it gonna be.....

Down on the Corner
Under the street
Water main's about to blow
Bring a nickel, tap your feet