



How to Present Pavement Management Data to Your City Council/County Commissioners

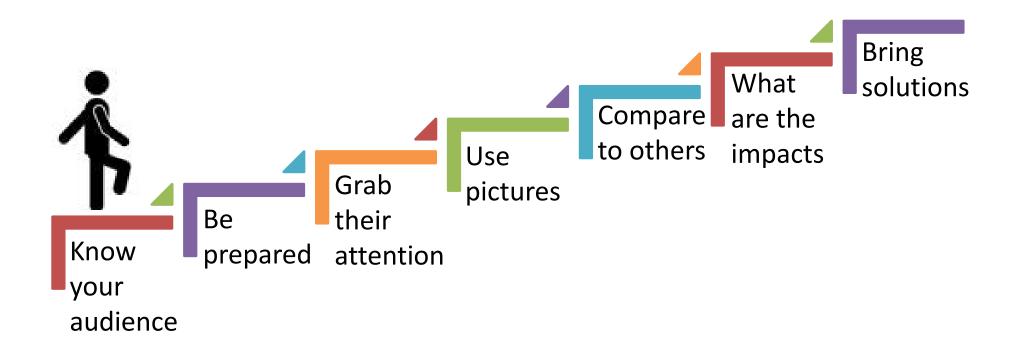


2016 NWPMA Conference October 25-28, 2016 Portland, OR



Collaboration. Commitment. Confidence.™

The "7 Step" Program





1. Know Your Audience

Who?

- Council/City Manager/Director?
- Public?

What are their concerns?

- Complaints?
- Money?

Address their concerns





Be Prepared to Inform Them on...

What is pavement management?

- What is the makeup of the street network?
- What is pavement distress?
- What types of survey methods are used?
 - How is condition determined?
- What treatments are use?

Others?



What is a Pavement Mgmt. Program?

A tool to help make cost-effective decisions
Answers four main questions

- What does agency own/maintain?
- What condition is it in?
- What repairs are needed and when?
- How do we apply funding to maintain or improve streets cost-effectively?





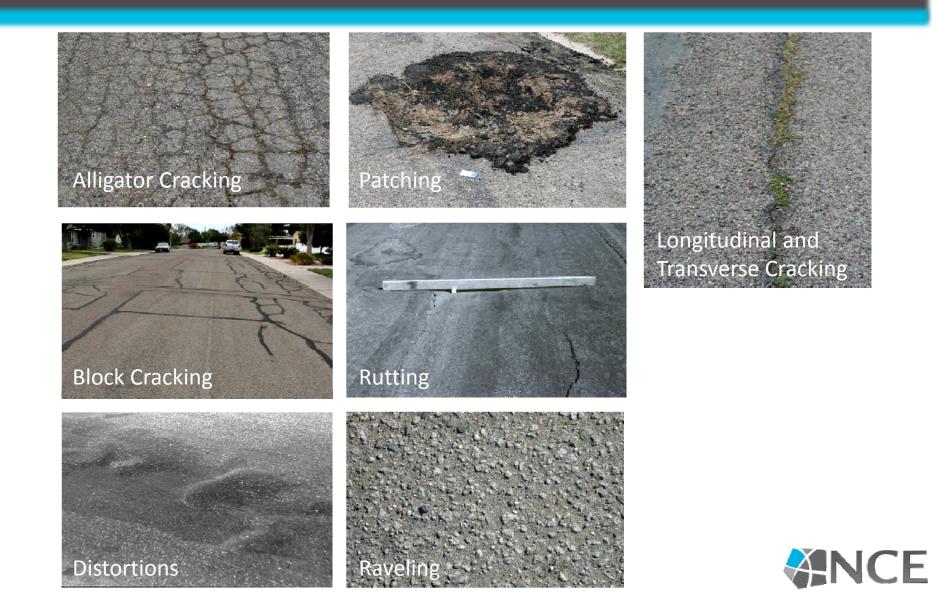


Pavement Street Network

Functional Class	Centerline Miles	Lane Miles	% of the Paved Network (by Area)
Arterials	206	763	25%
Collectors	169	468	21%
Local Streets	828	1655	54%
Total	1203	2886	100%



Pavement Distress Type



How is Distress Measured?

Section Which type is used 🖉

- No. of miles
- Time to collect

Survey protocols

Use of GIS Others?









How is Condition Determined





PCI Values



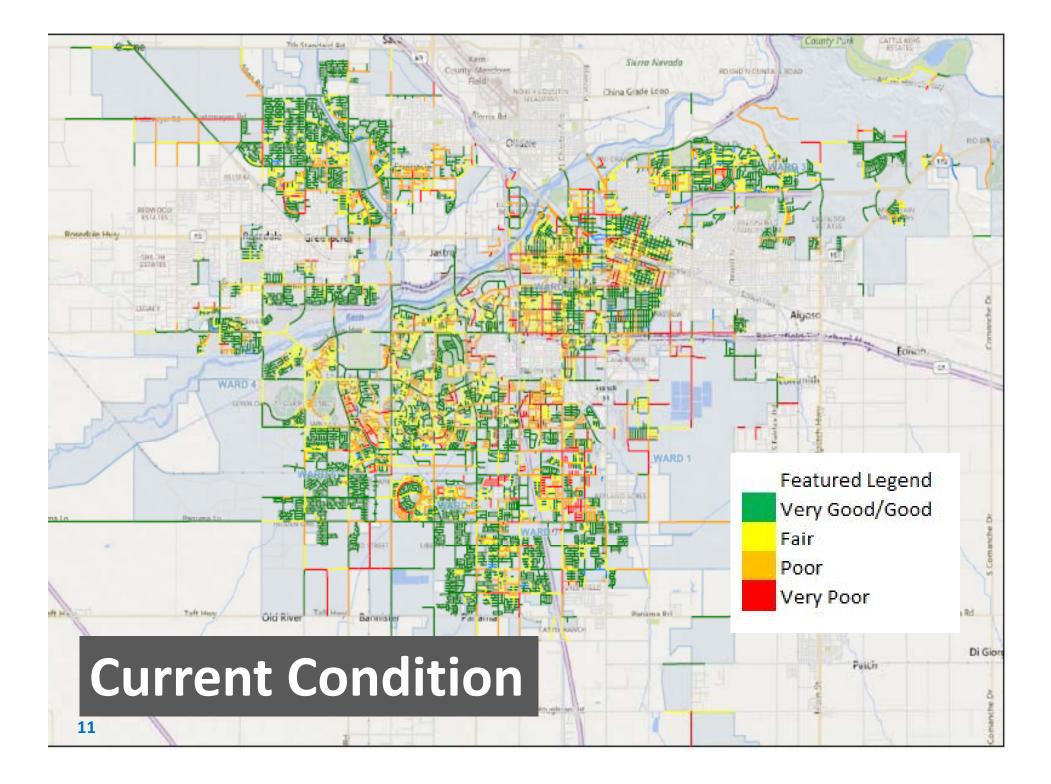


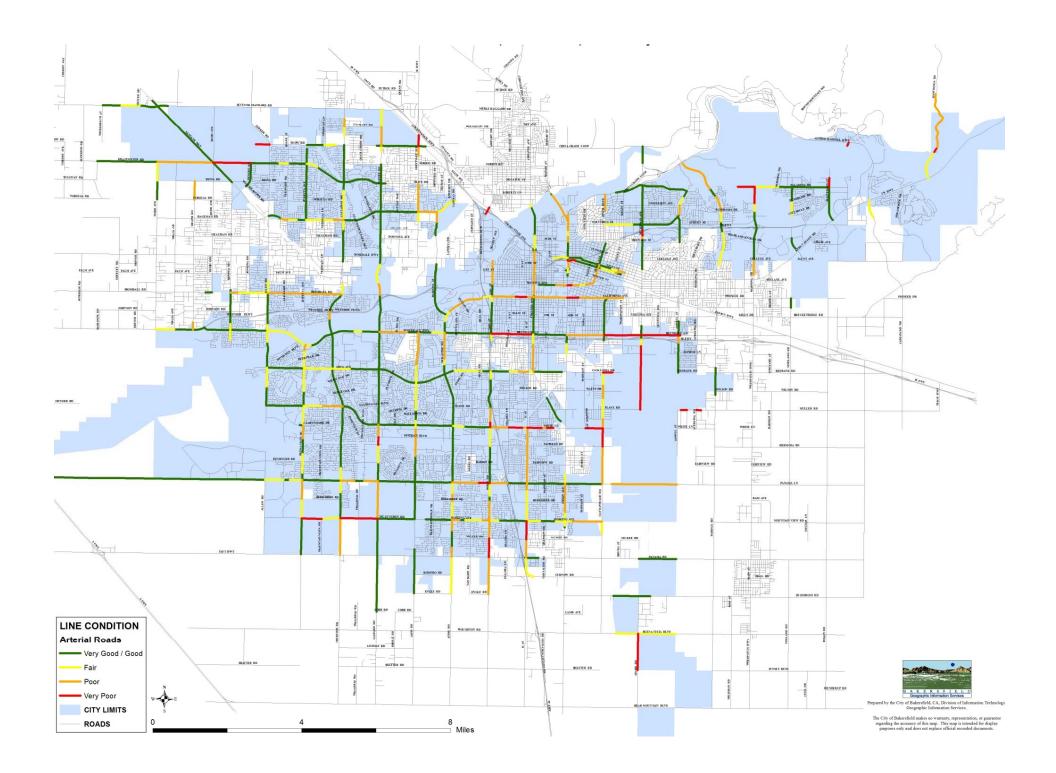






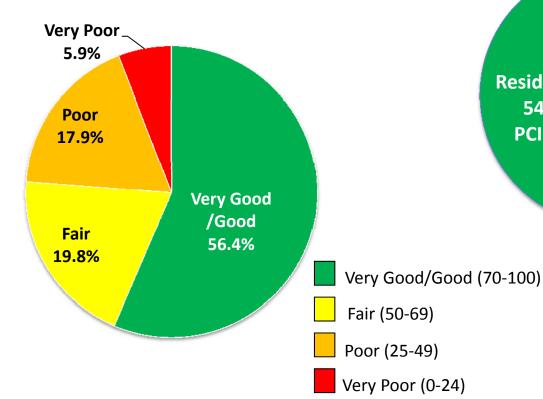


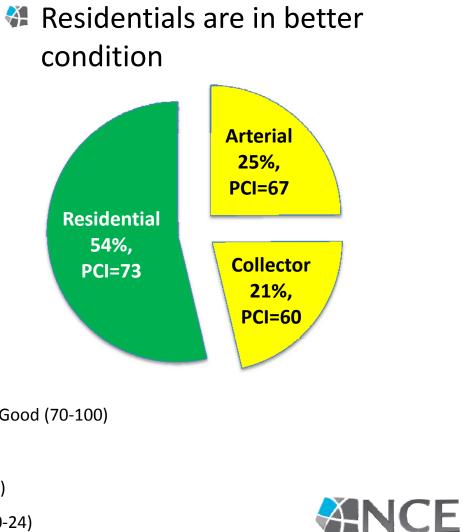




PCI Breakdown

- More than half are in good condition
- 24% are poor/very poor





Typical Treatments - Milling









Typical Treatments – Blade Patch









Typical Treatments – Grind & Pave

After

Before







Typical Treatments - Reconstruct

Before



After





2. Be Prepared

Spend 15 to 30 hours preparing for every hour of presentation

Anticipate questions

Rehearse!

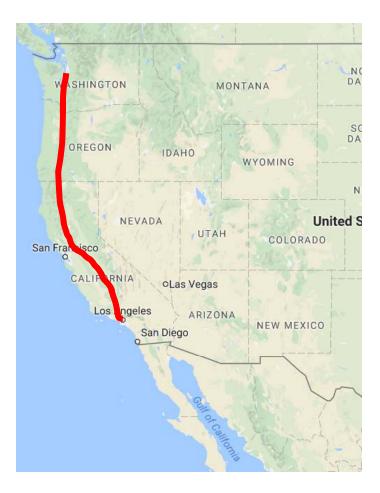






3. Grab Their Attention

Our pavement network stretch's all the way to ...? 🗱 It would take you 20 hours to drive at 65 mph Our pavement network is worth \$687M? Service Second S year to maintain it?





4. Use Pictures



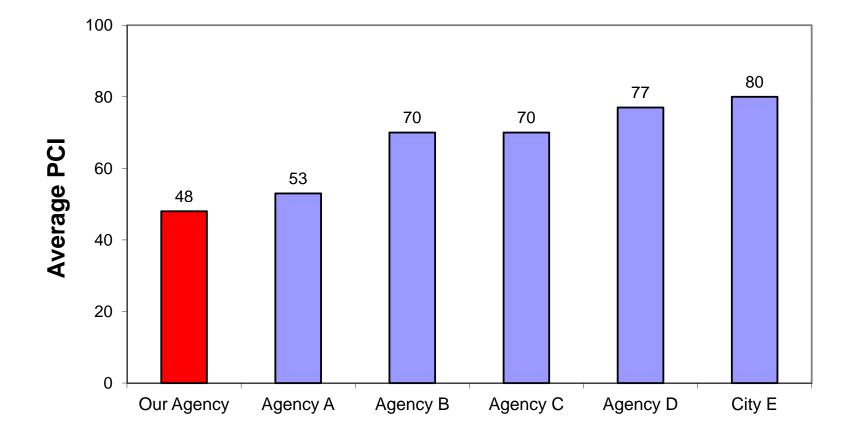


4. Use Pictures (cont.)



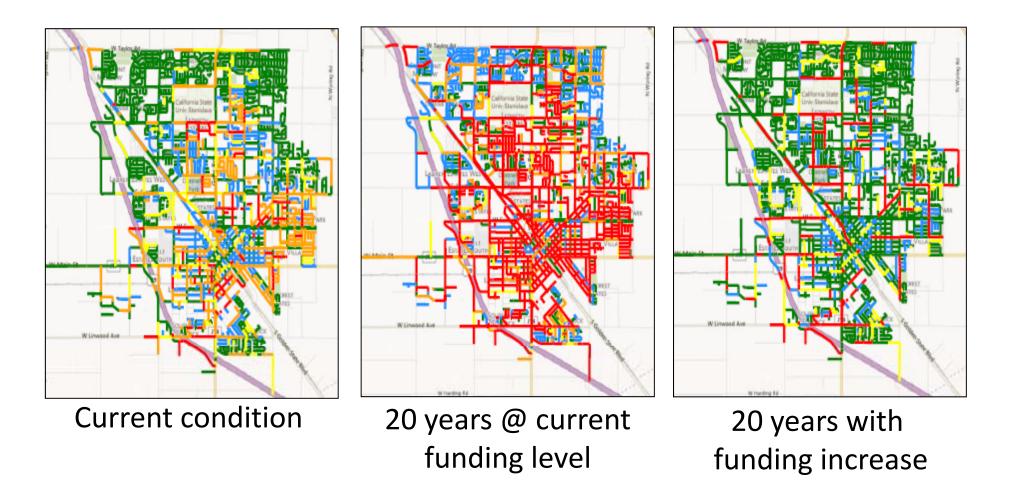


5. Compare to Other Cities



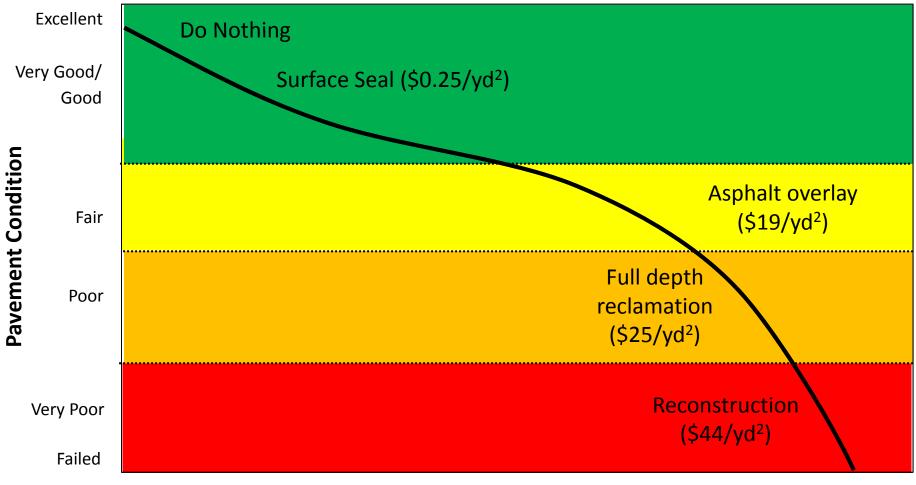


6. What are the Impacts





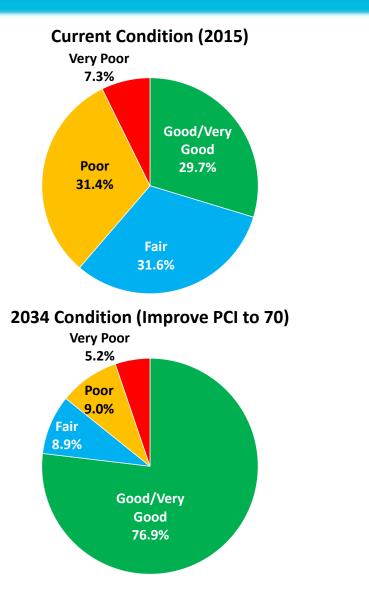
Performance and Cost



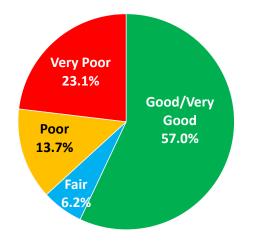
% of Pavement Life



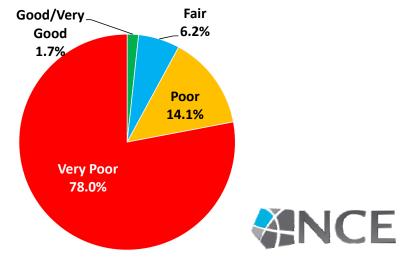
Funding Scenario Impacts



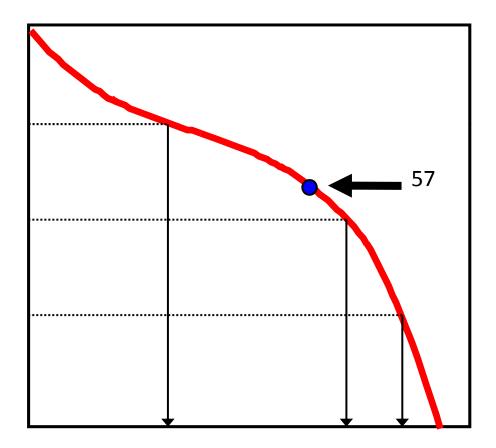
2034 Condition (Maintain PCI at 57)



2034 Condition (Existing Budget \$150K/Yr)



How Did We Get Here?

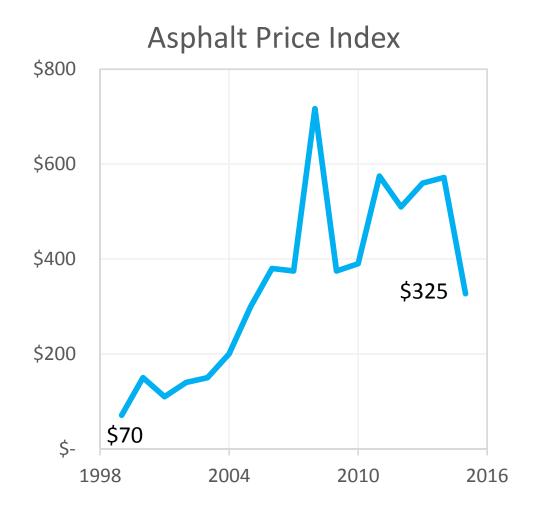


Pavements are deteriorating rapidly

- Agency condition
- Steep part of deterioration curve



How Did We Get Here?



Asphalt prices have increased almost five-fold since 1999

Funding has not kept up



7. Bring Solutions

💐 ... to Council

- Funding mechanisms
- Grants/fees/taxes
- Stretch the dollar
 - More cost-effective treatments
 - New materials
 - New treatments



Summary (cont.)

Agency A has a substantial investment in streets valued at \$560M

Street network PCI = 67

Existing budget will see steep decline:

- To PCI = 61 in 5 years
- To PCI = 33 in 20 years



Summary (cont.)

Maintain street network

- Pavement management will allow selection of cost effective prioritized approach to street repair
- Continue efficient use of budgeted funds to effectively maintain street network investment



Questions?



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