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Leading The Industry Worldwide!

"THE STANDARD OF THE INDUSTRY"



Trust the industry leader with a 1-stop sales/service/support solution!

- PIPE PROFILING
- PIPE REHABILITATION
- CCTV PIPELINE INSPECTION EQUIPMENT
- PIPELINE CONDITION ASSESSMENT SOFTWARE

CUES-IMX
Truck-mounted Camera



Custom Truck &
Trailer-mounted
Systems



Steerable Mudmaster



MP20/20



Inspector General



Compact Pipe
Ranger



Ultra Shorty 21



Pipe Ranger



Sonar Profiler



Laser Profiler



Mainline & Lateral Joint
Sealing Equipment



OZII & OZIII Cameras



Quick ZoomCAM



Life Stick



Kangaroo Cutters

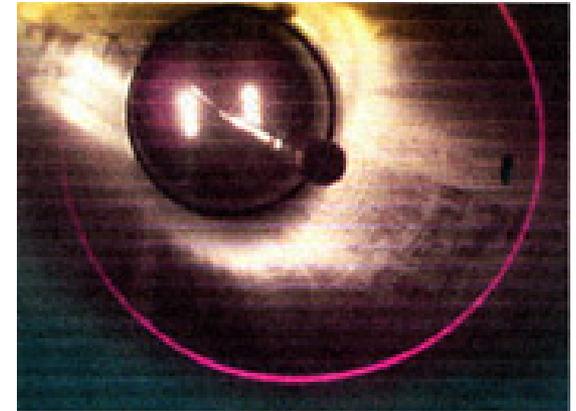
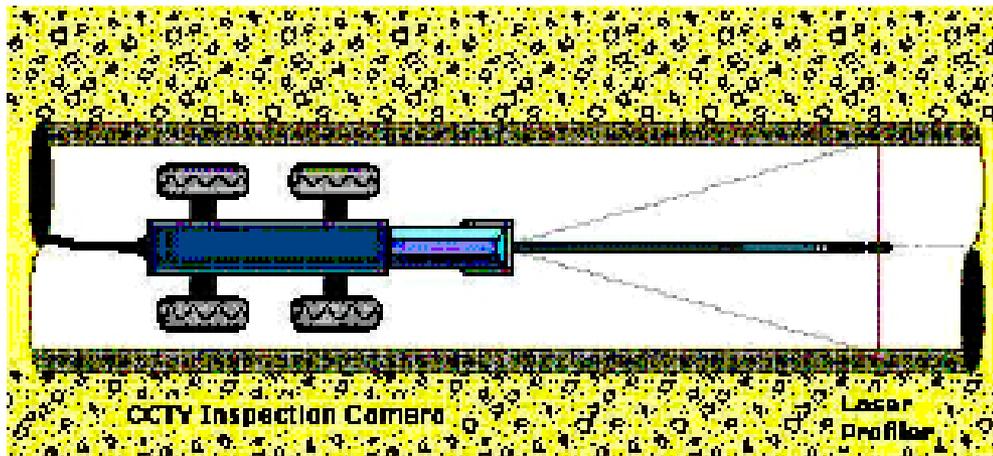


Lateral & Mainline Probe
(LAMP)

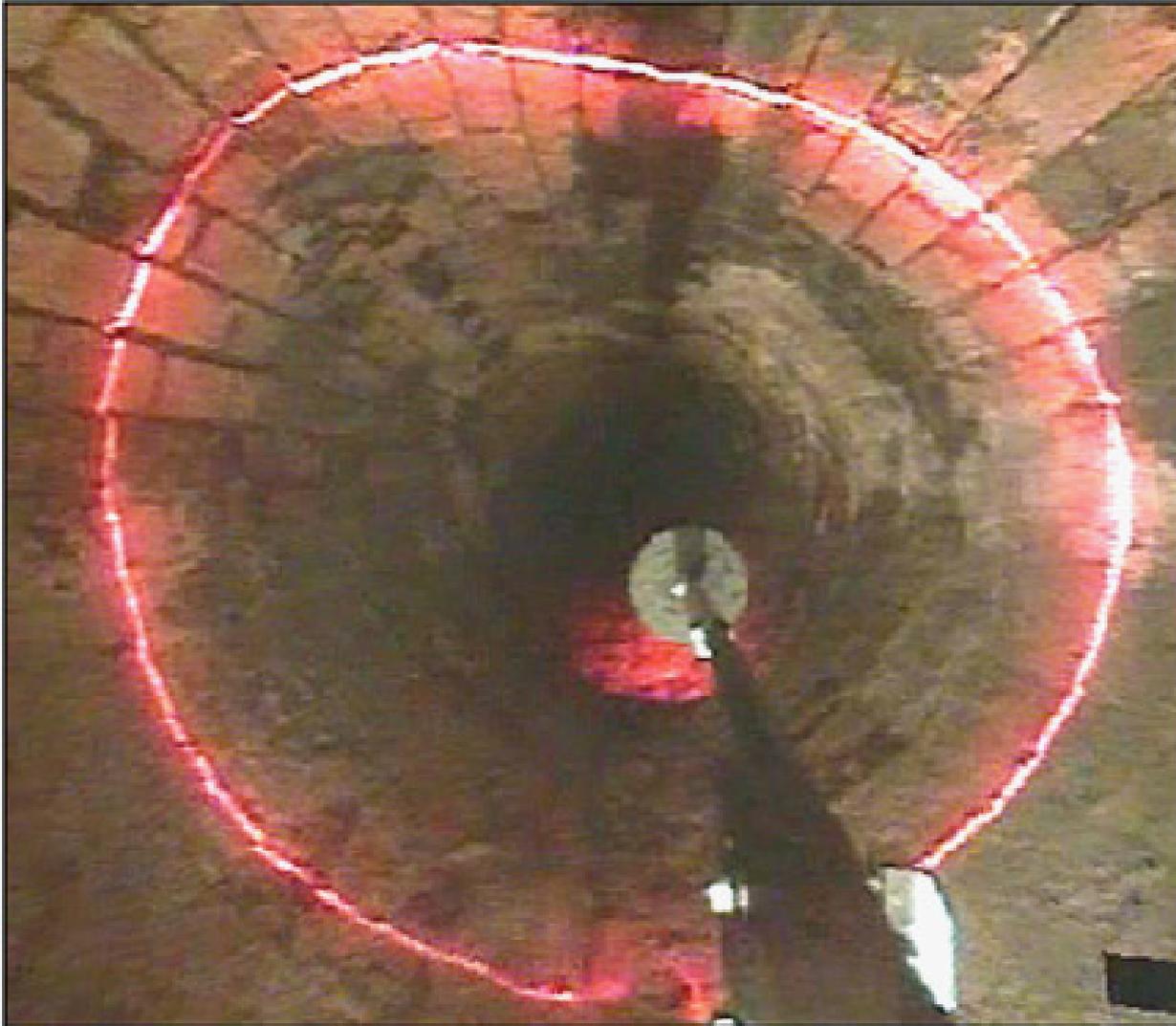
Laser Profiler



- ❖ The Laser Profiler provides the ability to accurately determine the amount of decay and ovality within a pipe asset.



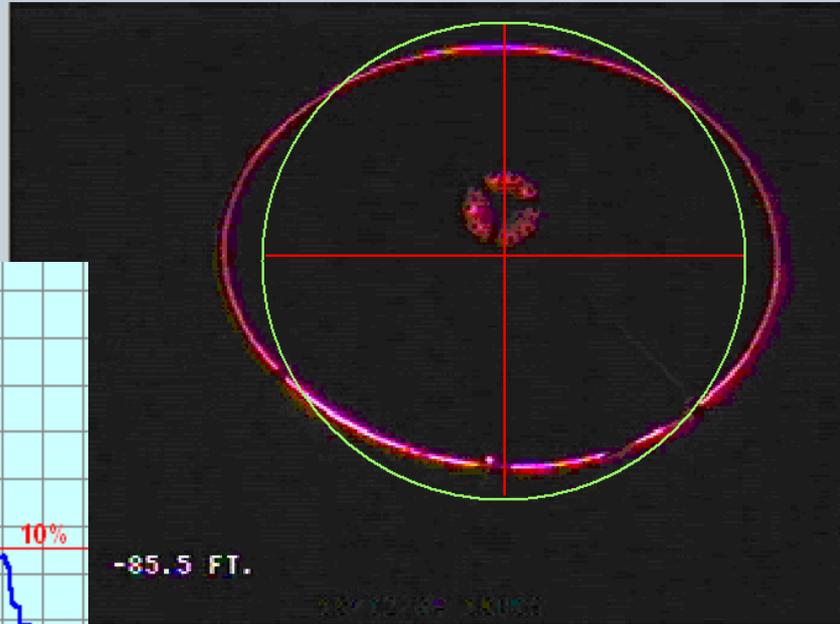
Laser ring can profile pipe to determine ovality



OVALITY IN 1 YEAR OLD PIPE



Louisville USA
1 year old 36 inch
polyethylene



2006 UK sewer for adoption standard states all Plastic Pipe will be profiled

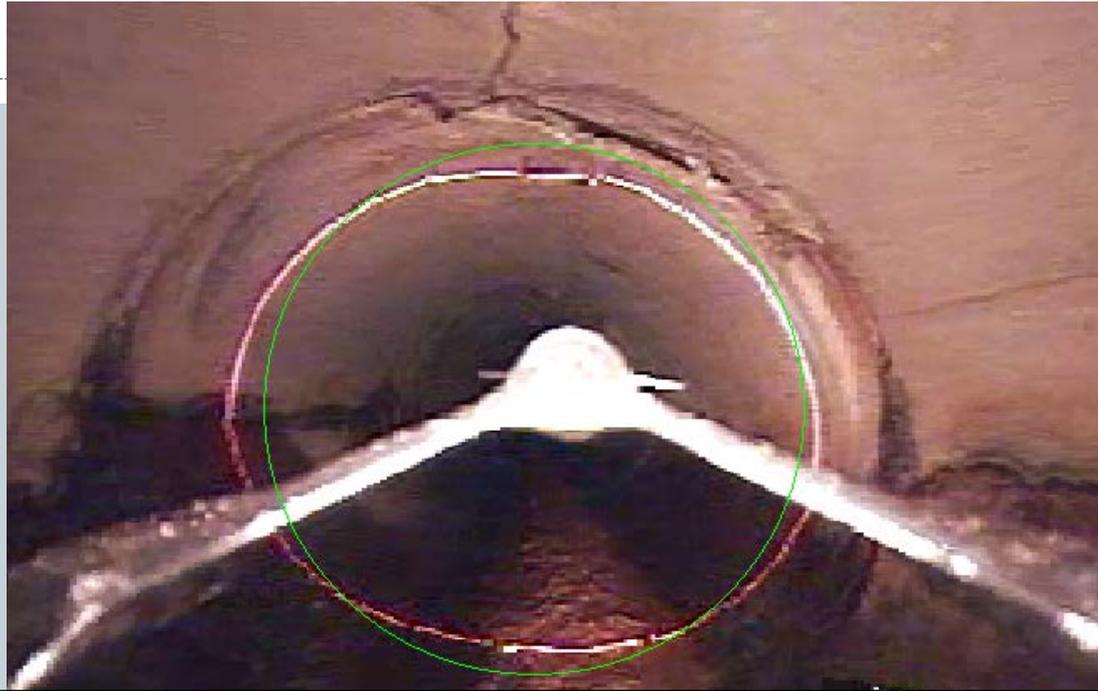
Florida Dept of Transport – Specifies Laser Profiling of All Drains

F1216 standard

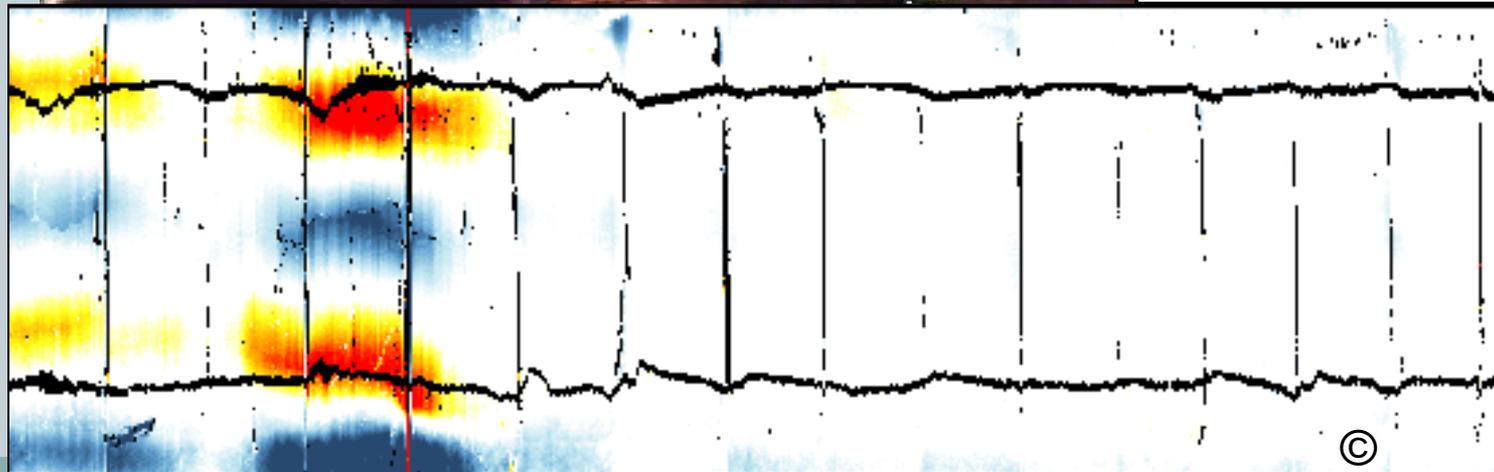
q = percentage of Ovality of original pipe =

$$100 \times \frac{(\text{Maximum Inside Diameter} - \text{Mean Inside Diameter})}{\text{Mean Inside Diameter}}$$

STRUCTURAL CRACKING WITH DEFORMATION



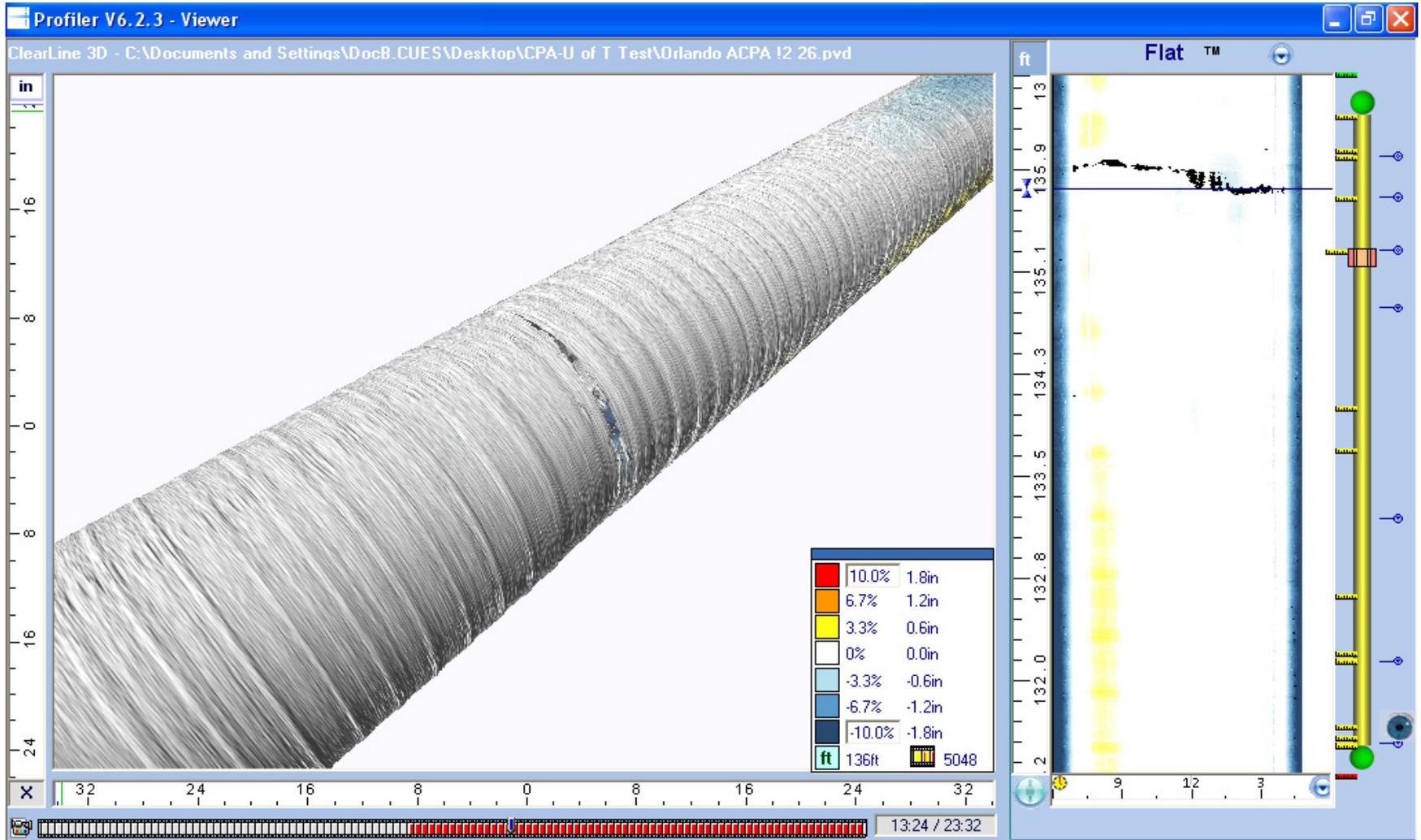
		516.0mm
	11.5%	
	11.0%	582.6mm
	-11.0%	467.1mm
	0.5%	11.38cm ²
	38.7m	 2346



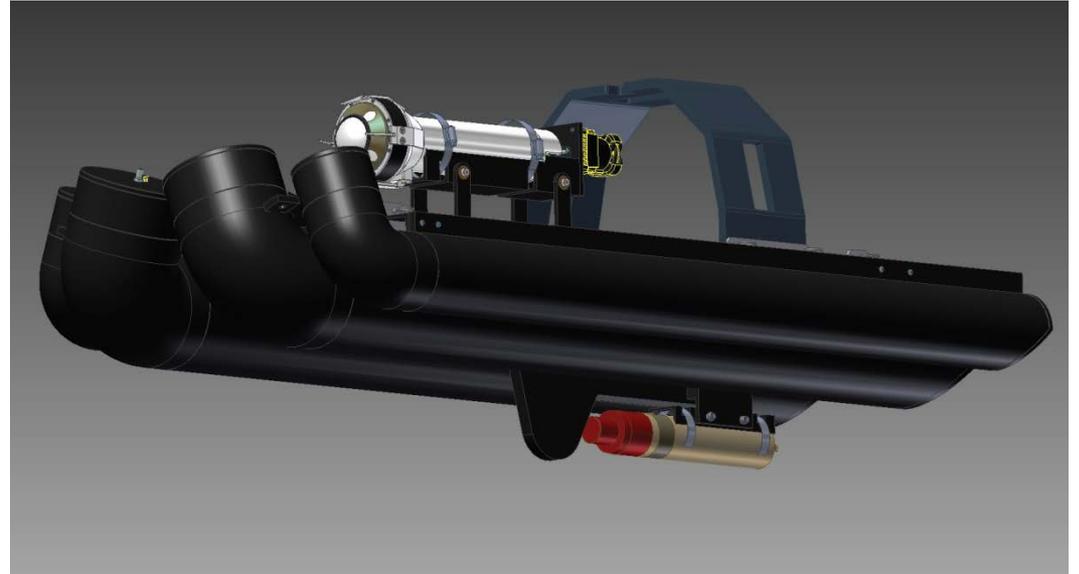
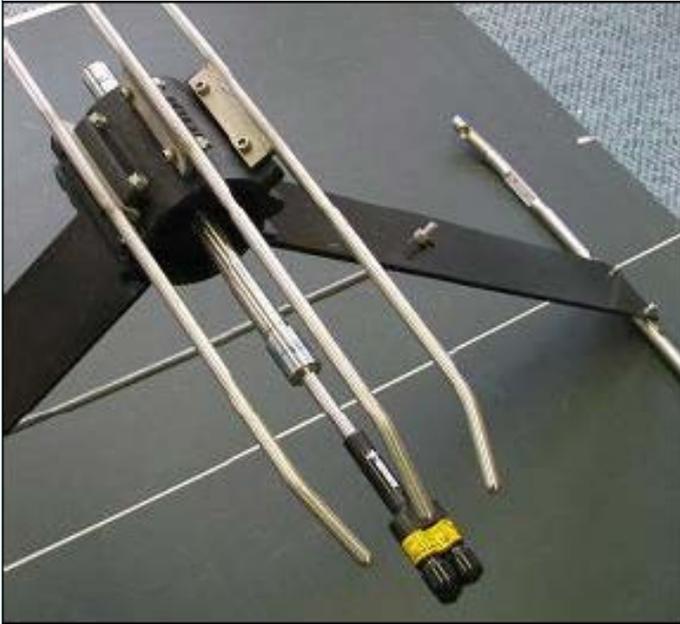
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Laser Profiler software creates a 3 DIMENSIONAL IMAGE

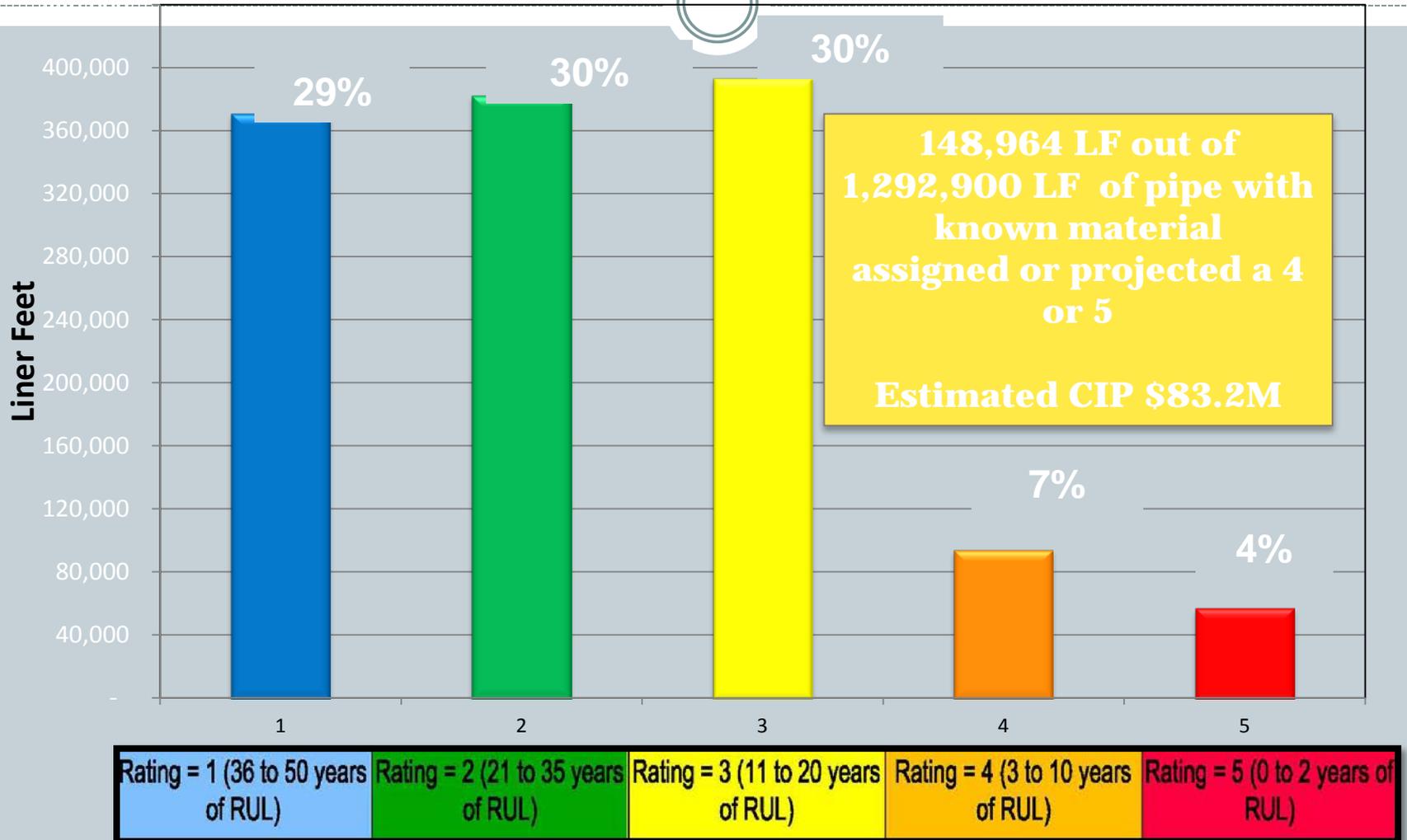


DEFORMATION TECHNOLOGY

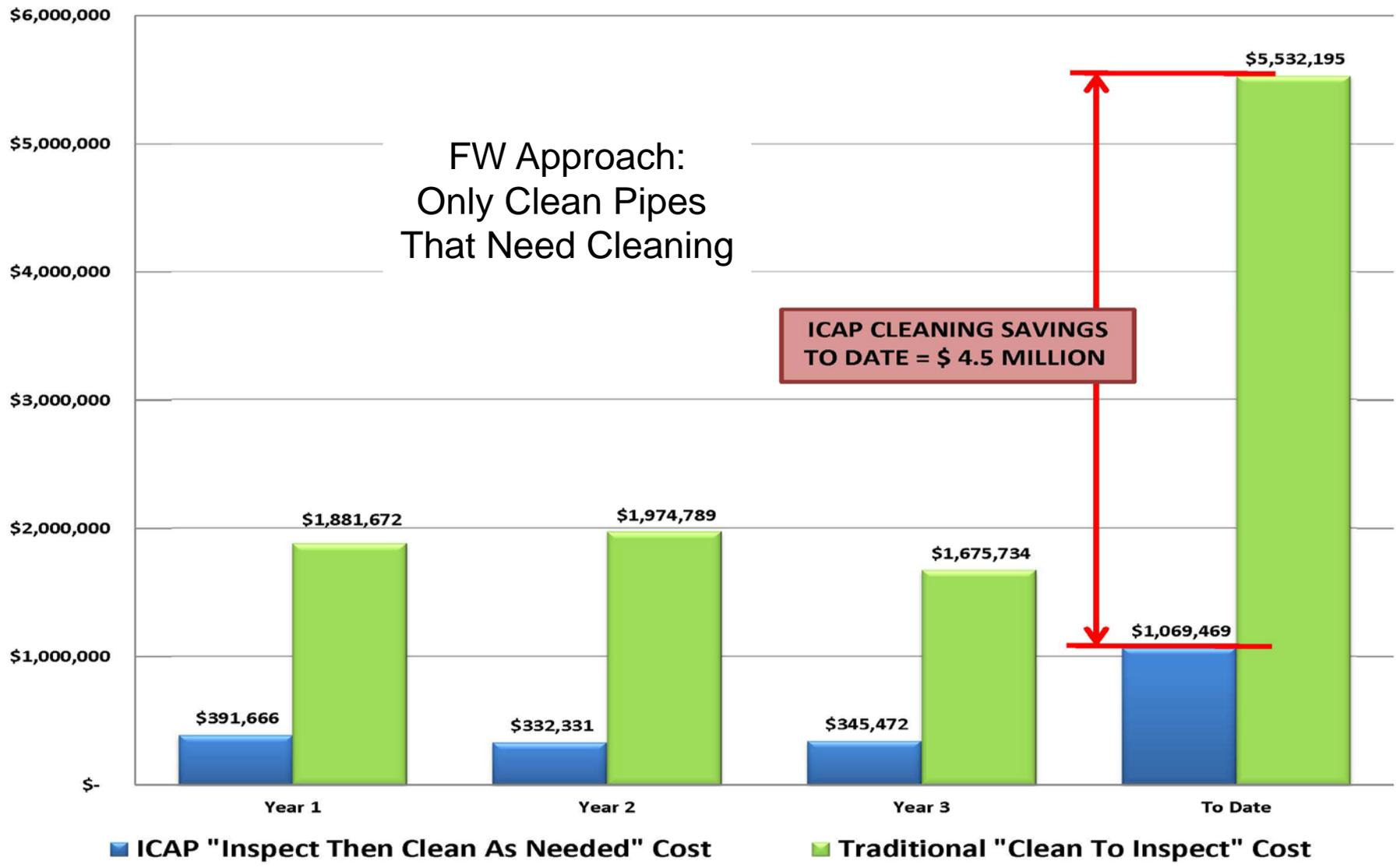


- LASER PROJECTION HEAD –
requires a camera
- LIDAR (Light Detection & Ranging)
– does not require a camera

Actual & Predicted Condition Scores for the Entire Interceptor System (Yrs 1-7)

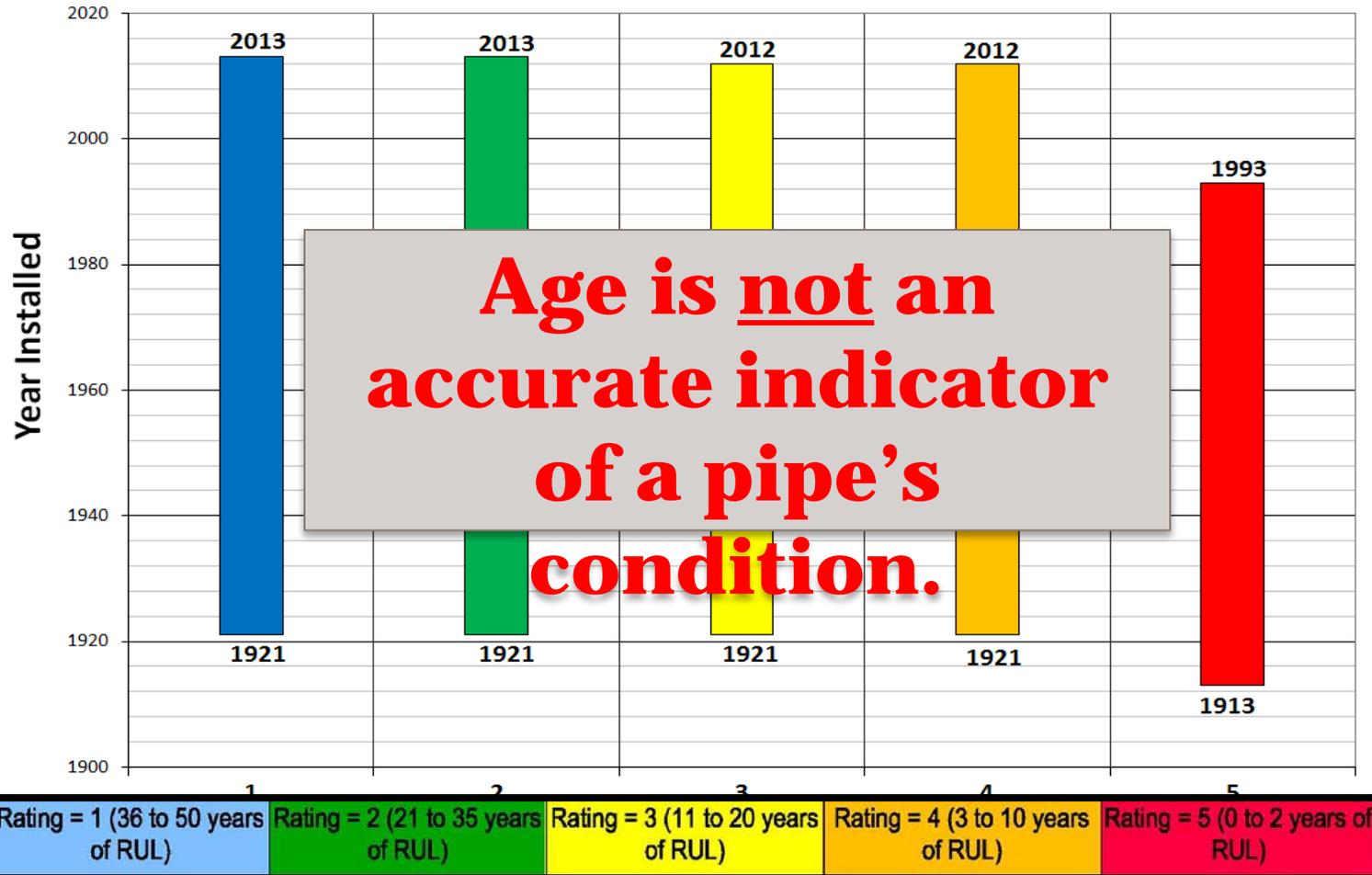


ICAP Cost Analysis: Cleaning Savings to Date



Range of Install Year by Condition Score, Years 1 - 3 *

Pipe Age vs. RUL Score



Questions?

