

## Jefferson, Oregon

DIAMETER	GAGE	YEAR INSTALLED	INSPECTION DATE
72"	10 (0.0138 IN)	ESTIMATED AT 1993	MAY, 2013
PROFILE	COATING	SOIL DATA	WATER DATA
2 2/3 X 1/2	ALUMINIZED TYPE 2	PH: N/A	PH: 5
		RESISTIVITY: 8,720 Ω-CM	RESISTIVITY: 10,010 Ω-CM
			FHWA ABRASION LEVEL: 3
			CHLORIDES: N/A
			CaCO <sub>3</sub> : 100 PPM

### IMAGES:



### SOIL SIDE ALUMINUM COATING DATA:



- Surface area coated: 100%
- Minimum thickness: 1.63 mils
- Maximum thickness: 2.36 mils (60 μm)
- Maximum pit depth: 0.00 mils

### WATER SIDE ALUMINUM COATING DATA:



- Surface area coated: 60%
- Minimum thickness: 0.00 mils
- Maximum thickness: 2.78 mils (70 μm)
- Maximum pit depth: 81.00 mils

\*Note: largest visible pit is a result of the removal process

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### **ULTRA-SONIC PIPE THICKNESS (IN):**

- TOP:                   AVG = 0.119 (0.119, 0.120, 0.117, 0.132, 0.134)
- INVERT:               AVG = 0.117 (0.120, 0.115, 0.115, 0.116)
- 9 o'clock position     AVG = 0.117 (0.118, 0.117, 0.117)

\*Measured using TI-25M Ultrasonic Wall Thickness Gauge

### **COATING THICKNESS COMPARISON (microns):**

- TOP:                   56
- INVERT:               69

\*Avg of a minimum of 4 readings after cleaning

### **COMMENTS:**

- Pipe is comprised of approximately 160 ft of ALT2 and 60 ft of asphalt coated galvanized at the upstream end
- Some cracking in the haunch areas of 3 sections appears to be from clay backfill that was used
- Maximum pit depth taken from section where another pilot hole had be started for the trepan evaluation