

## *Santiam Highway 18+20, Oregon*

DIAMETER	GAGE	YEAR INSTALLED	INSPECTION DATE
30"	16 (0.064 IN)	ESTIMATED AT 1985	APRIL, 2013
PROFILE	COATING	SOIL DATA	WATER DATA
2 2/3 X 1/2	ALUMINIZED TYPE 2	PH: N/A	PH: 4.5
		RESISTIVITY: 14,300 Ω-CM	RESISTIVITY: 55,000 Ω-CM
			FHWA ABRASION LEVEL: 2
			CHLORIDES: <2
			CaCO <sub>3</sub> : <40 PPM

### **SOIL SIDE ALUMINUM COATING DATA:**

- Surface area coated: 100%
- Minimum thickness: 0.00 mils
- Maximum thickness: 1.45 mils (37 μm)
- Maximum pit depth: 0.94 mils



### **WATER SIDE ALUMINUM COATING DATA:**

- Surface area coated: 80%
- Minimum thickness: 0.00 mils
- Maximum thickness: 2.31 mils (58.5 μm)
- Maximum pit depth: 1.54 mils



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

- TOP: AVG = 0.051 (0.054, 0.051, 0.055, 0.050, 0.051)
- INVERT: AVG = 0.052 (0.049, 0.056, 0.049, 0.051, 0.052)

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

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

- TOP: 52
- INVERT: 65

\*Avg of a minimum of 4 readings after cleaning using DCF3000FX

### **COMMENTS:**

- This is a combination of ALT2 and galvanized pipe with total installation length of approximately 180 ft