

**REQUIREMENTS FOR CORRUGATED STEEL PIPE THICKNESS
AND PROTECTION AT ABRASIVE SITES**

pH	≤ 4.0	4.5	5.0	5.5	6.0	6.5	≥ 7.0	Steel Conduit Type
Thickness required for 50 year Design Service Life				4.27	4.27	3.51	2.77	Zinc Coated Corrugated Steel Pipe w/Paved Invert Zinc Coated Corrugated Steel Pipe-Arch w/Paved Invert Fully Bituminous Coated and Lined Corrugated Steel Pipe Fully Bituminous Coated and Lined Corrugated Steel Pipe-Arch
			3.51	2.77	2.77	2.01	1.63	Aluminum Coated Type 2 Corrugated Steel Pipe w/Paved Invert Aluminum Coated Type 2 Corrugated Steel Pipe-Arch w/Paved Invert
	2.77	2.77	2.01	1.63	1.63	1.63	1.63	Polymer Precoated Galvanized Corrugated Steel Pipe Polymer Precoated Galvanized Corrugated Steel Pipe Arch
				4.32	2.82	2.82	2.82	Structural Plate Steel Pipe w/Concrete Field Paving Structural Plate Steel Pipe-Arch w/Concrete Field Paving

pH	≤ 4.0	4.5	5.0	5.5	6.0	6.5	≥ 7.0	Steel Conduit Type
Thickness required for 75 year Design Service Life						4.27	3.51	Zinc Coated Corrugated Steel Pipe w/Paved Invert Zinc Coated Corrugated Steel Pipe-Arch w/Paved Invert Fully Bituminous Coated and Lined Corrugated Steel Pipe Fully Bituminous Coated and Lined Corrugated Steel Pipe-Arch
						3.51	2.77	Aluminum Coated Type 2 Corrugated Steel Pipe w/Paved Invert Aluminum Coated Type 2 Corrugated Steel Pipe-Arch w/Paved Invert
				3.51	3.51	2.77	2.77	Polymer Precoated Galvanized Corrugated Steel Pipe Polymer Precoated Galvanized Corrugated Steel Pipe Arch
				5.54	2.82	2.82	2.82	Structural Plate Steel Pipe w/Concrete Field Paving Structural Plate Steel Pipe-Arch w/Concrete Field Paving

Refer to Standard Drawing 715-PSLC-03 for General Notes.

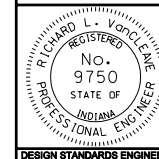
All Dimension are in mm unless otherwise specified

INDIANA DEPARTMENT OF TRANSPORTATION

**PIPE SERVICE
LIFE CRITERIA**

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STANDARD DRAWING NO. 715-PSLC-02



/s/ Richard L. VanCleave 3-01-06
DESIGN STANDARDS ENGINEER DATE

/s/ Richard K. Smutzer 3-01-06
CHIEF HIGHWAY ENGINEER DATE

DESIGN STANDARDS ENGINEER