

**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 (mm) 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
								Aluminum Coated Type 2 Corrugated Steel Pipe w/Paved Invert Aluminum Coated Type 2 Corrugated Steel Pipe-Arch w/Paved Invert Polymer Precoated Galvanized Corrugated Steel Pipe w/Paved Invert Polymer Precoated Galvanized Corrugated Steel Pipe-Arch w/Paved Invert
	2.77	2.77	2.01	1.63	1.63	1.63	1.63	Fiber Bonded Bituminous Coated Corrugated Steel Pipe w/Paved Invert Fiber Bonded Bituminous Coated Corrugated Steel Pipe-Arch w/Paved Invert
				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 (mm) 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
				4.27	4.27	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 Polymer Precoated Galvanized Corrugated Steel Pipe w/Paved Invert Polymer Precoated Galvanized Corrugated Steel Pipe-Arch w/Paved Invert
	4.27	4.27	4.27	3.51	3.51	2.77	2.77	Fiber Bonded Bituminous Coated Corrugated Steel Pipe w/Paved Invert Fiber Bonded Bituminous Coated Corrugated Steel Pipe-Arch w/Paved Invert
				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.

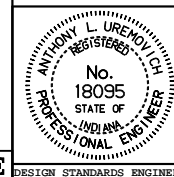
All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION

**PIPE SERVICE
LIFE CRITERIA**

JANUARY 1998

STANDARD DRAWING NO. 715-PSLC-02



/s/ Anthony L. Uremovich 1-02-98
DESIGN STANDARDS ENGINEER DATE

/s/ Donald W. Lucas 1-02-98
CHIEF HIGHWAY ENGINEER DATE

Source Sheet: NONE