

CORRUGATED METAL STRUCTURE BRIDGE RATING DATA SHEET

Structure Number: _____ BIN: _____ Year Built: _____

County/City: _____ Division: _____ Feature Intersected: _____

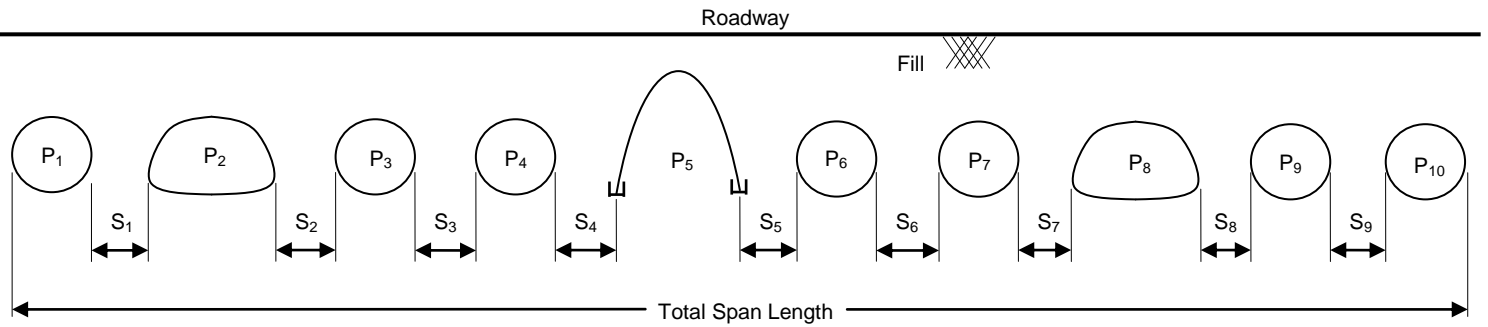
Project Number: _____ Standard Drawing No. (If applicable): _____

Inspector: _____ Contact Number: _____

>> PLEASE READ FIRST BEFORE PROCEEDING <<

This sheet establishes the layout of the entire pipe culvert. Use the abbreviations on sheet 2 to identify and label (P₁ – P₁₀) with the correct structure shape. Measure and record the width for each pipe (P₁ – P₁₀). Measure and record (S₁ – S₁₀) as the distance between each pipe. Use only the spaces needed for your site configuration. Sheets 2-4 will be required for each pipe (P₁ – P₁₀) that has unique characteristics such as size, shape, deficiencies, etc. ****The shapes shown in the schematic below are for illustrative purposes and by no means represent your structure.**

Please provide an end view picture of the pipe culvert.

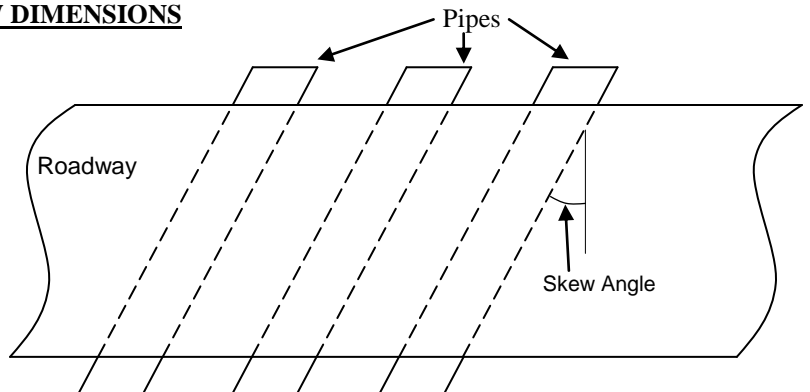


Shape	Width		Shape	Width
P ₁ : _____	_____ ft		P ₆ : _____	_____ ft
P ₂ : _____	_____ ft	S ₁ : _____ ft	P ₇ : _____	_____ ft
P ₃ : _____	_____ ft	S ₂ : _____ ft	P ₈ : _____	_____ ft
P ₄ : _____	_____ ft	S ₃ : _____ ft	P ₉ : _____	_____ ft
P ₅ : _____	_____ ft	S ₄ : _____ ft	P ₁₀ : _____	_____ ft
		S ₅ : _____ ft		

Total Span Length: _____ ft

SKEW DIMENSIONS

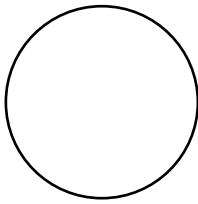
Skew Angle (0 for none): _____ degrees



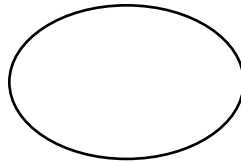
If there are any questions about anything on this form, please call the Bridge Rating Section of the Alabama Department of Transportation at 334-242-6500.

This set of sheets 2-4 apply to which pipe or pipes? (Circle): P₁ P₂ P₃ P₄ P₅ P₆ P₇ P₈ P₉ P₁₀

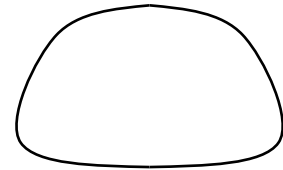
STRUCTURE SHAPE



Circle (C)



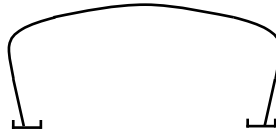
Ellipse (E)



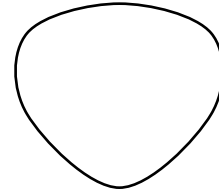
Pipe Arch (PA)



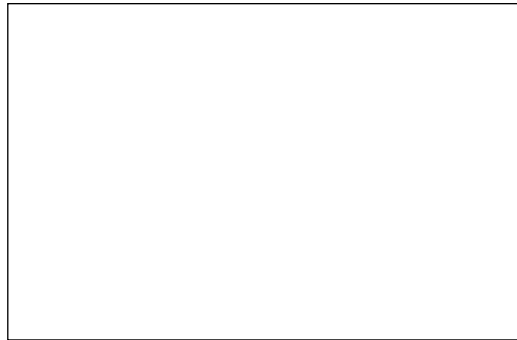
Low Profile Arch (LPA)



High Profile Arch (HPA)



Pear Arch (Pear)



Other (please sketch in the box)

PIPE DETAILS

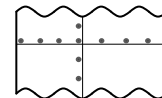
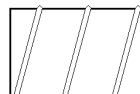
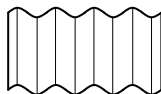
Metal Type: Steel

Aluminum

Structure Type: Corrugated

Spiral Rib

Corrugated Structural Plate

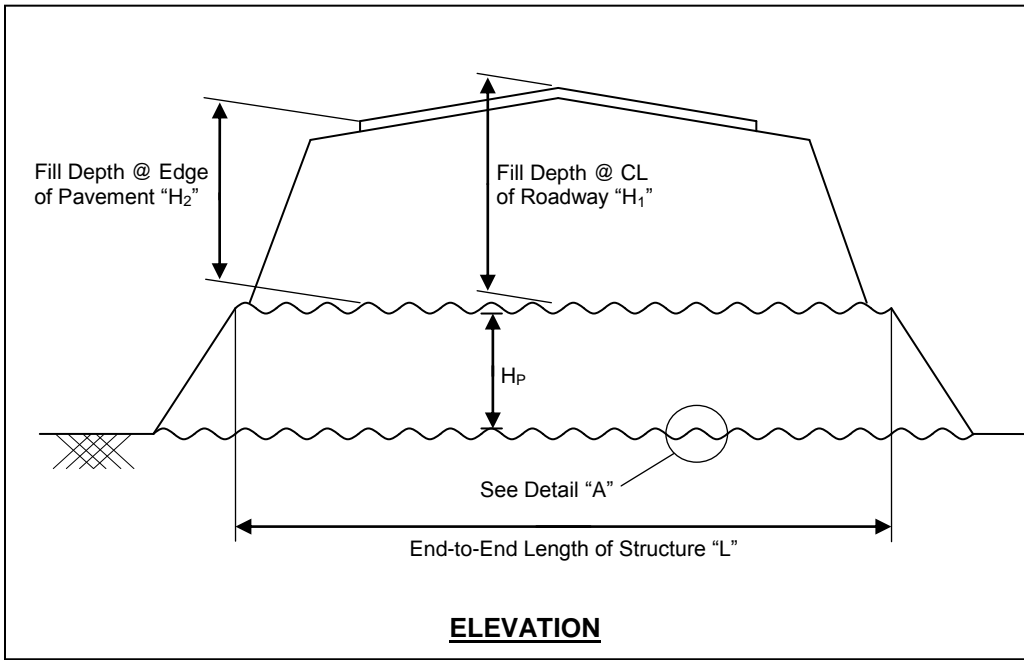


Seam Type: Spot Welded, Riveted, or Bolted Seams

No Seams (One Continuous Piece)

Lock Seams or Fully Welded Seams

DIMENSIONS



Fill Depth at Centerline of Roadway H_1 : _____ ft

Fill Depth at Edge of Pavement H_2 - Left: _____ ft Right: _____ ft

End-to-End Length of Structure L : _____ ft

Width of Pipe W_p : _____ ft

Height of Pipe H_p : _____ ft

Corrugation Measurements (Detail A)

Pitch _____ in c Depth _____ in d Thickness _____ in t

Spiral Rib Measurements (Detail A)

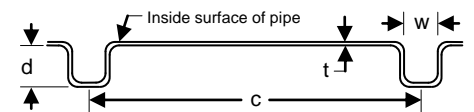
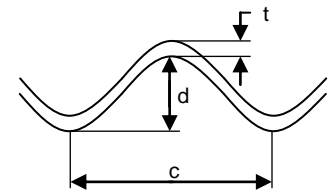
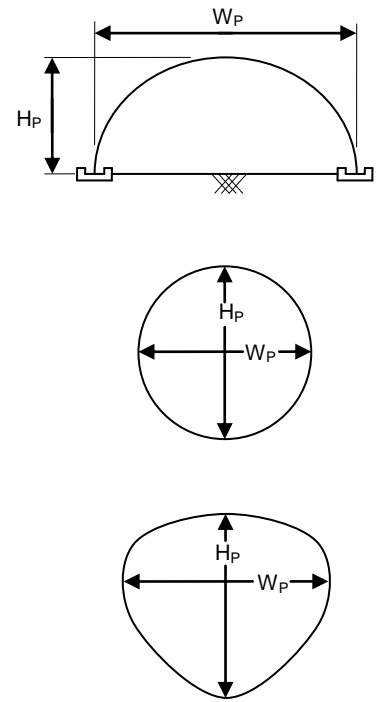
Depth _____ in d Width _____ in w Pitch _____ in c Thickness _____ in t

Top Radius Measurements

Measurement should be taken from the interior or end of the pipe along the centerline. Center a level across the top of the pipe such that both ends of the level come in contact with the pipe. Measure vertically from the top of the pipe to the top of the level. These measurements are not necessary for circular pipes.

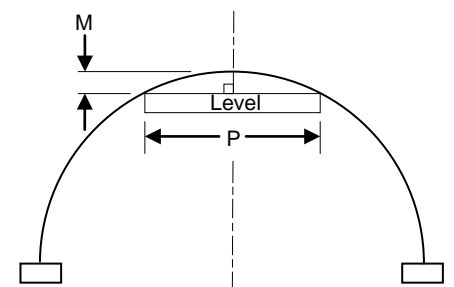
M : _____ in P : _____ in

Rise and Span Length Measurements



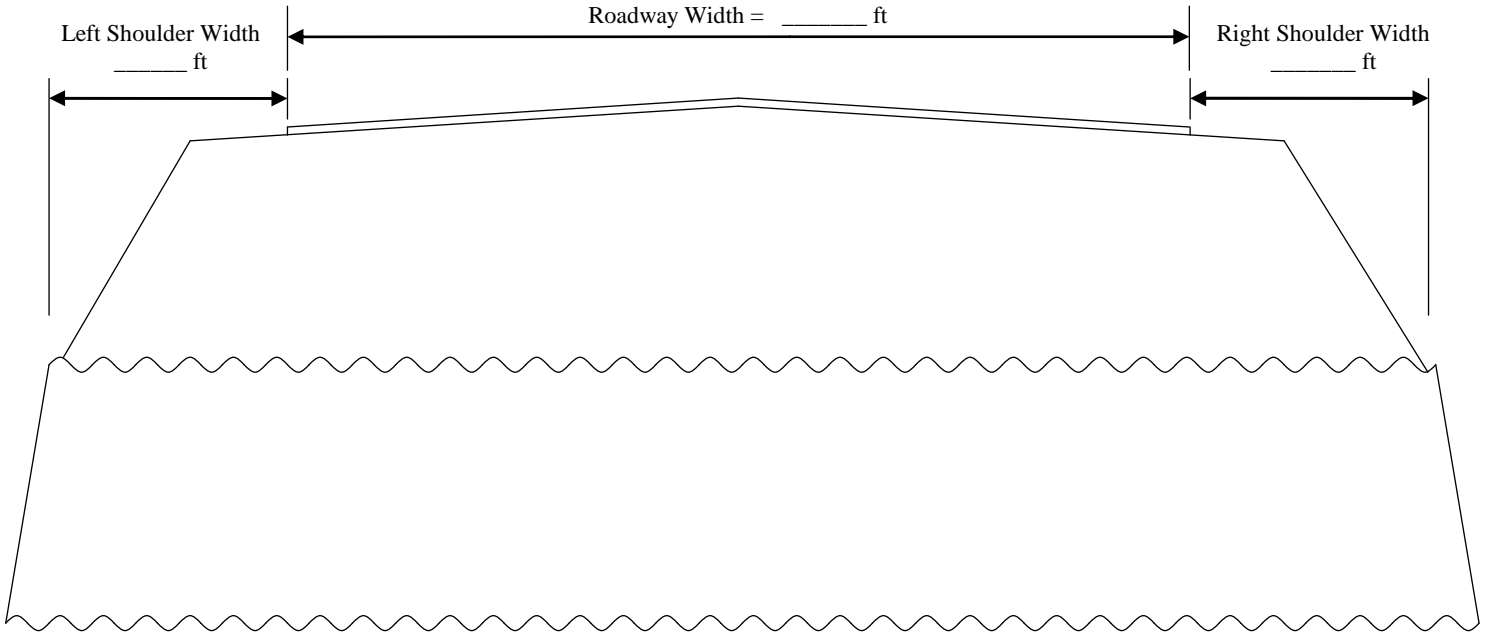
DETAIL A

Top Radius Measurements



DISTORTION AND/OR SECTION LOSS

Please note areas where there is visible distortion and/or section loss and include the amount of deflection (inches) or section loss (thickness and area) along with a description and pictures. Also include the relative position of each deficiency with respect to the end of the pipe.



If notes are available which document these deficiencies they can be attached behind this sheet instead of drawing in the deficiencies.