

Butler Springs Christian Camp

Culvert Replacement Project

C0-3

5/15/2024

Handrail Specifications

Frame Material

Support Posts	2" x 2" x 0.250" wall thickness Square Tubing	A500 Carbon Steel
Cross Members	2" x 2" x 0.250" wall thickness Square Tubing	A500 Carbon Steel
Spindles	1" x 1" x 0.120" wall thickness Square Tubing	A513 Carbon Steel
Handrail	1.25 Pipe Size Schedule 40	
Handrail Bracket	5/8" Steel Rod	1018 or 1020 Cold Rolled Steel

Welded Fabrication Structure w/ deburr and sanded joints.
All opened tube ends are to be capped and welded closed.

Mounting
Plates 5/8" Steel Plate - w/ a radiused top edge

Finish

Powdercoated
POWDURA Super Durable Polyester TGIC Powder Coating by Sherwin Williams
Or approved (by Butler Springs CC) product equal to or better than POWDURA
Color to be approved by Butler Springs Christian Camp - RAL color #

Blast for smoothness and adhesion
Zinc Phosphate Pre-Clean
Primer Coat
Powdercoated

Hardware

Approved* Heavy Duty Stainless Steel anchor/bolting system to Culvert top deck & wing walls

Butler Springs Christian Camp Handrail Design

