



Contech AOP-ARCH™ – Speed. Economy. Continuity.

Improve Fish Passageways and Stream Ecology

The migration routes and habitats of salmon, trout and other critical aquatic species are often interrupted by manmade structures. The Contech AOP-ARCH is an open-bottom, environmentally friendly, economical structure ideal for aquatic organism passages (AOP).



The Contech AOP-ARCH is an aluminum alloy structure with steel footing pads – a combination which makes it both lightweight and corrosion resistant. The Contech AOP-ARCH can be preassembled and set on a natural foundation to speed construction.

The Contech AOP-ARCH offers advantages for encouraging stream ecology as it minimizes disruption to the existing, natural streambed, enhancing the natural hydraulics of the waterway and promoting local aquatic life passages.

AOP-ARCH ADVANTAGES

- **Corrosion resistant**
- **Efficient installation**
- **Lightweight**
- **Cost-effective**
- **HL-93 live loads**
- **Shorter structure lead times**

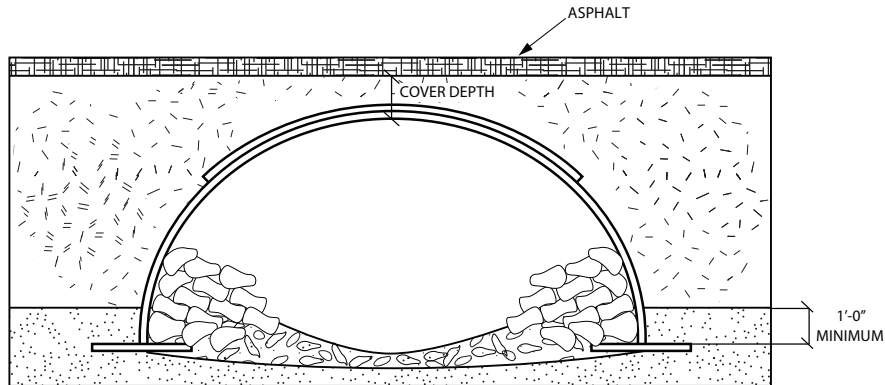


Natural open-bottom ideal for AOP.



Aluminum arch on footing pads.

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AOP-ARCH STRUCTURES (HL-93 LIVE LOAD)						
Metal Thickness (Inches) - Reinforcing Rib Type - Rib Spacing (Inches)						
(Maximum Cover in Feet with 4000 psf Bearing Capacity)						
Span Ft.-In.	Rise Ft.-In.	Net Area Sq. ft.	Minimum Height of Cover			
			28" Wide Footing		48" Wide Footing	
			1.50 ft.	2.00 ft.	1.50 ft.	2.00 ft.
7'-0"	3'-8"	13.5	0.175 (16)	0.175 (16)	0.175 (19)	0.175 (19)
8'-0"	4'-2"	18.6	0.175 (13)	0.175 (13)	0.175 (16)	0.175 (16)
9'-0"	4'-8"	24.6	0.200 (11)	0.150 (11)	0.200 (15)	0.150 (15)
10'-0"	5'-2"	31.3	.125-II-18 (10)	0.125 (10)	.125-II-18 (12)	0.125 (12)
11'-0"	5'-9"	38.9	.125-II-18 (8)	.125-II-27 (8)	.125-II-18 (10)	.125-II-27 (10)
12'-0"	6'-3"	47.4	.125-II-9 (7)	.125-II-27 (7)	.125-II-9 (9)	.125-II-27 (9)
13'-0"	6'-9"	56.7	.150-II-9 (6)	.125-II-27 (6)	.150-II-9 (8)	.125-II-27 (8)
14'-0"	7'-3"	66.8	.200-II-9 (6)	.125-II-18 (6)	.200-II-9 (7)	.125-II-18 (7)
15'-0"	7'-9"	77.7	.250-II-9 (5)	.125-II-9 (5)	.250-II-9 (6)	.125-II-9 (6)
16'-0"	8'-3"	89.4		.125-II-9 (4)		.125-II-9 (6)
17'-0"	8'-10"	102.0		.225-II-18 (4)		.225-II-18 (5)
18'-0"	8'-11"	108.1		.175-IV-18 (3)		.175-IV-18 (5)

1. Additional footing options (e.g. Steel EXPRESS® Foundations) are available for differing site conditions including soil bearing capacities, foundation options, and structure designs. Contact your local Contech representative.
2. The Net Area considers a 1'-0" minimum footing pad buried depth for estimated scour.
3. Actual scour depth to be determined by others.
4. Contact your local Contech representative for footing pad plate thickness.

