

PACBRIDGE

PacBridge Installation Sequence

Part I – Footings and Abutment Walls

Modular Abutment Installation

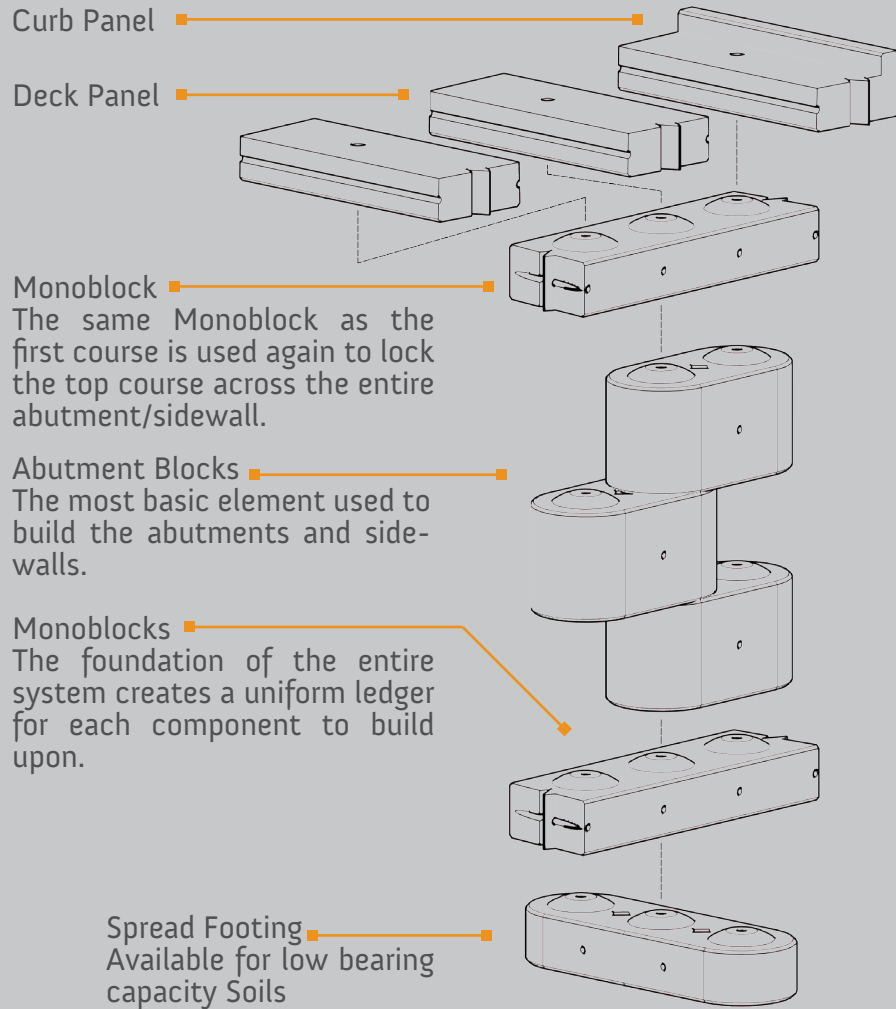
- Place abutment footing units level and at proper elevations
- Stock abutment units plumb onto center of footings

Part II – Component Placement

Complete all stream restoration work

- Place modular deck units
- Install hardware package
- Install guardrail (if applicable)
- Complete roadway work

PacBridge Components



General Specifications

Design Data

Design Criteria	AASHTO LRFD U80, L90, HL93 or HS20/25
Available Guard Rails	Crash Ratings 1 & 2

Design details shall be in accordance with a Licensed Professional Engineer in the state of installation.

QUALITY CONTROL

Concrete cylinder compression testing is performed on every concrete batch by a third party testing agency. Although ACI certified, we elect to provide Project Owners with fully transparent test results.

Deck Panel

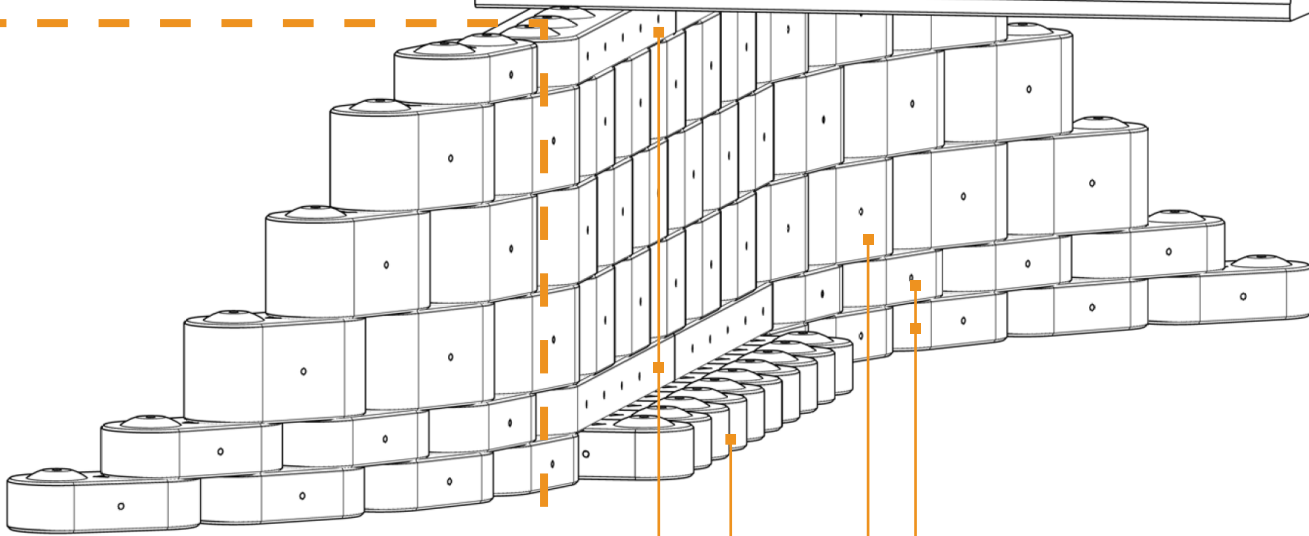
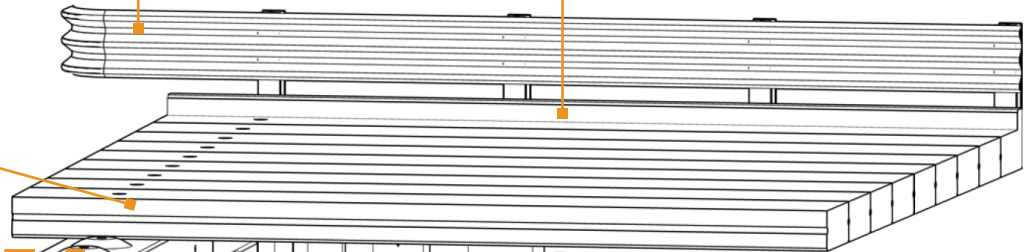
The deck panels come in lengths up to 50 feet and widths varying from 30"-60". These panels can be cast with a longitudinal conduit to accommodate utilities, thereby eliminating the need for unsightly exposed hangers or conduit.

Guard Rail

The crash rated guardrails (if specified) are implemented via direct post mounting to the integrated receiving sockets.

Curb Panel

The curb panels integrate seamlessly with the main deck panels but feature a curb with varying 6"-18" height and 6"-12" width. Guardrail receiving sockets are cast into curb panels if specified.



Long Monoblock - 15" x 30" x (5'-30')

If a spread footing is not required, the initial abutment/side-wall row is comprised of Long Monoblocks. This row sets directly on the bearing surface or the spread footing blocks.

Wing Walls

The Standard Abutment and Monoblocks can extend from the sidewall/abutment, forming an integral wing wall. The modular nature of the PacBridge System empowers the installer to contour the wing walls based on the site's specific needs.

Spread Footing - 15"x30"x7.5'

If required for low bearing capacity soils, the first abutment row can use spread footing blocks. These can also be incorporated under the wing walls as necessary.

Additional Sizes Available:

Thickness - 8"

Width - 3'-5' (0.5' increments)

Length - up to 25'

Short Monoblock - 15" x 30" x 60"

The same depth and width as the Long Monoblock, the Short version is just 5' long which produces smooth wing wall curves as mandated by site conditions.

Standard Abutment Block - 30" x 30" x 60"

The Abutment block is the most ubiquitous component of the system, comprising the majority of the wing walls (if required) and abutments/sidewalls. This block is staggered and staged to create the robust interlocking wall. Additional Size Available: 30"x30"x90"

