

Caguanas River Bridge on Highway PR-10 in Puerto Rico

Curved Incrementally Launched Bridge



First curved incrementally launched bridge in North America

Length = 1271 ft / 387.5 m
Weight = 11,100 tons
Slope = 4%

Design, engineering and drawings:

- Launching nose
- Temporary piers
- Pier tie-back system
- Sliding bearings and launching guides
- Superstructure modifications
- Launching mechanism (2 x 1000 ton jacks)
- Field supervision



Project - Caguanas River Bridge on PR-10
Location - Utuado, Puerto Rico
Year - 1989
Type - Incremental Launch
Owner - Puerto Rico DOT
GC - Las Piedras Construction Co.
Client - VSL Corporation