

Pushboat LIBERTY BELLE



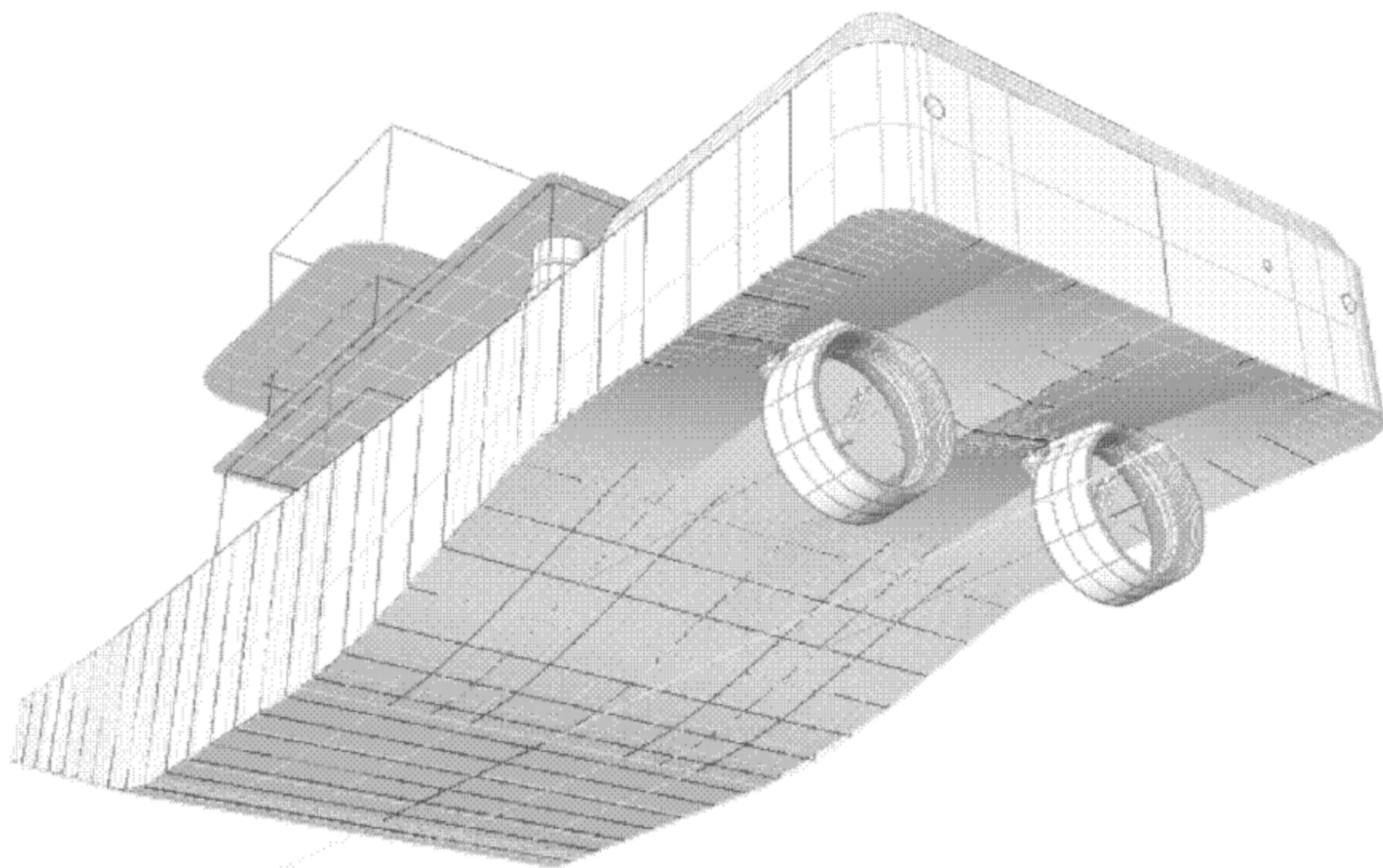
Pushboat LIBERTY BELLE alongside ferry barge

This inland river pushboat mates with a dedicated barge for a car-ferry crossing of Illinois River. The pushboat is 60' LOA x 18' beam, with a pair of 300 BHP diesel engines, driving 45" diameter Kaplan style propellers in Kort nozzles. The boat has two steering rudders and four flanking rudders, as is commonly found in inland waterway pushboats, where a high degree of maneuverability is needed. Picture below shows steering levers in pilot house.



Control console

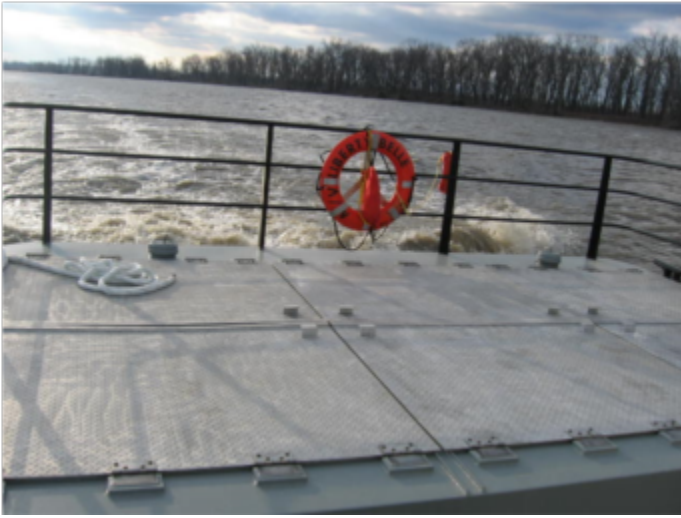
The [hull form rendering below](#) shows the placement of the Kort nozzles in the shallow tunnels of the afterbody. The hull-form is quite simple, for ease of construction, but features very gentle buttock shapes, for low resistance and smooth inflow to the nozzles .



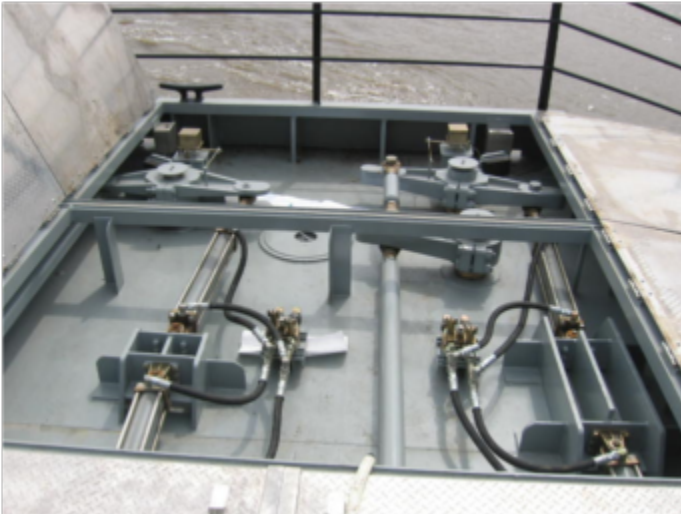


[Pushboat at builder's yard near Chattanooga, TN](#)

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View from stern underway. Steering gear is located below sectional hatch covers.



Steering gear drives two main rudders and four flanking rudders.