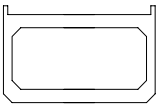


TUNNEL NAME/LOCATION/DATE COMPLETED:		T.67 - Bastia Old Harbour	
Bastia Old Harbour Tunnel; under Old Harbour in Bastia, Corsica, France; 1983			
TUNNEL TYPE AND USE: Concrete box elements; Vehicular		LANES/TRACKS: One tube; two lanes, plus shoulders	
NO OF ELEMENTS: 4	LENGTH: 62.33 m	HEIGHT: 7.58 + 0.7 m	WIDTH: 14.10 m
TOTAL IMMERSED LENGTH: 249.72		DEPTH AT BOTTOM OF STRUCTURE: 13.5 m	
UNUSUAL FEATURES:	The graving dock used a floating door. The final joint was made between the last element and a fixed cut-and-cover section in the space formerly used as a dock.		
ENVIRONMENTAL CONDITIONS:	Tunnel crosses a harbor. Half the tunnel trench was in rock, the other in sand and gravel.		
FABRICATION METHOD: Tunnel elements built in approach ramps. Permanent longitudinal prestressing.		JOINT TYPE: Gina and Omega rubber seals	
WATERPROOFING METHOD:	On first tunnel element a thin PVC film; on remaining three tunnel elements no waterproofing.		
PLACEMENT METHOD:	By means of floating cranes and four vertical cylindrical tanks mounted on tunnel roof.		
FOUNDATION METHOD:	The elements were enclosed on the sides and tremie concrete was placed for the permanent foundation.		
DREDGING METHOD:	Rock blasting and dredging with clamshell dredge.		
VENTILATION TYPE:	Transverse ventilation through side ducts on each side of roadway.		
COVER AND TYPE:			
ADDITIONAL INFORMATION:	OWNER: Direction départementale de l'équipement de Haute-Corse DESIGN: GTMBTP, Marseille CONTRACTORS: GTM France with Corse Travaux y Ph. Agostini		