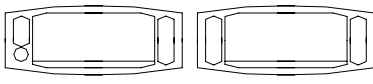


TUNNEL NAME/LOCATION/DATE COMPLETED: Vieux-Port Tunnel; Marseilles, France; 1967		T.30 - Vieux-Port	
			
TUNNEL TYPE AND USE: Two side-by-side concrete box sections; Vehicular tunnel		LANES/TRACKS: Two single tube sections, each with two lanes	
NO OF ELEMENTS: 6	LENGTH: 45.4 m	HEIGHT: 7.16 m	WIDTH: 14.60 m
TOTAL IMMERSED LENGTH: 273 m		DEPTH AT BOTTOM OF STRUCTURE: 15 m	
UNUSUAL FEATURES:	Two tunnels placed beside each other.		
ENVIRONMENTAL CONDITIONS: Trench dredged in chalk.		OUTFITTING:	JOINT TYPE: Gina/Omega
WATERPROOFING METHOD:	4 mm steel membrane on bottom, bituminous membrane on sides and roof.		
PLACEMENT METHOD:	Stabilization and control of element during sinking by means of vertical cylinders, element being pulled down by tackle connected to anchor blocks installed after dredging.		
FOUNDATION METHOD:	After placing the elements were surrounded with an enclosure and fixed by a tremie concrete pour which extended under the element.		
COVER AND TYPE:			
VENTILATION TYPE:	Semi-transverse		