


TUNNEL NAME/LOCATION/DATE COMPLETED: Paris Metro Tunnel; Paris, France; 1976		T.53 - Paris Metro 	
TUNNEL TYPE AND USE: Reinforced concrete box; Railway		LANES/TRACKS: One tube; two tracks	
NO OF ELEMENTS: 4	LENGTH: 19.2 - 43.2 m	HEIGHT: 9.80 m including 2.0 m caisson edge	WIDTH: 10.40 m
TOTAL IMMERSSED LENGTH: 129.20 m		DEPTH AT BOTTOM OF STRUCTURE: 14 m	
UNUSUAL FEATURES:	The elements were built on an island and lowered into the water by cranes. They were then towed to location, lowered to the bottom and final lowering was done by the caisson excavation method.		
ENVIRONMENTAL CONDITIONS:			
FABRICATION METHOD: Pretension cables, transversely and longitudinally		OUTFITTING:	JOINT TYPE: Tremie concrete
WATERPROOFING METHOD:	No membrane		
PLACEMENT METHOD:	Using four buoyancy tanks (rectangular cross section), one at each corner of tunnel element deck		
FOUNDATION METHOD:	Caisson space filled with injected concrete		
VENTILATION TYPE:	Not applicable		
COVER AND TYPE:	Concrete poured under water		
ADDITIONAL INFORMATION:			