

1. Bridge name:	Tamar Bridge
2. Location:	Plymouth, Devon, UK.
3. Year opened to traffic:	1961
4. Design: Suspension/Cable stayed etc.	Symmetrical suspension bridge with supplementary cable system added in 1999-2001. Stiffening truss with orthotropic steel decks.
5. Type of traffic: Road and/or railway	Road
6. Bridge owner Contact information	Cornwall Council & Plymouth City Council Mr David I. List General Manager, Tamar Bridge Office, Pemros Road, Plymouth, Devon, PL5 1LP
7. Bridge operator Contact information If possible concession period	Tamar Bridge & Torpoint Ferry Joint Committee Contact as above
8. Traffic: Average Annual Daily Traffic-AADT (Both directions) year 2015: Max. recorded daily traffic (2015): Max. recorded traffic per hour per direction (2015): Percentage of trucks Collisions Statistics	43540 <i>44355 (2016)</i> 53490 <i>54676 (2016)</i> 2775 eastbound <i>2847(eastbound - 2016)</i> 4.67% (over 3500kg Maximum Vehicle Gross Weight) <i>4.52% (2016)</i> 42 <i>50(2016)</i>
9. Number of road lanes per direction Number of rail lanes per direction Pedestrian Y/ N Cyclist Y/ N Emergency lane Y /N Other: _____	5 no. lanes in total 3 no. main deck lanes - <ul style="list-style-type: none"> • 1 no. eastbound lane • 1 no. westbound lane • centre lane is bi-directional and operated in a tidal fashion. 1 no. north cantilever lane eastbound only 1 no. south cantilever for pedestrians and

Road wearing surface type	cycles only. All areas of the bridge surfaced with hand-laid nominal 38mm thick mastic asphalt with the exception of the Plymouth side span main deck (all lanes) that is surfaced in 55mm thick Gussasphalt.
10. Total length of the bridge	643.227m
Main span	335.280m
Side spans	113.995m each
Plymouth approach span	26.056m
Plymouth anchorage span	17.374m
Saltash approach span	19.203m
Saltash anchorage span	17.374m
11. Type and height of pylon/Towers	75m
12. Type of girder Height and width	Truss depth 5.5m
13. Type of foundation	Caisson
14. Sea depth at main span	approx. 25m
15. Vessel navigation channel Width Clearance for vessels	100m approximately 35m vertical clearance
16. Vessel/Ship traffic (annual traffic in 2015)	Not known
17. Cable structure: Type, dimension etc. of main cable/stay cable	<p>Each main cable comprises 31 no. locked coil wire strands (each 60.2mm). overall main cable diameter is 384mm Strands are wrapped in soft galvanized wrapping wire (9sng) and laid in zinc rich paste. Entire cable coated in Mathys Noxyde elastomeric protective coating.</p> <p>There are also 18no. supplementary locked coil wire strands that were added in 1999 as part of a significant strengthening and widening scheme. 6no. are 112mm dia. and 12no. are 102mm dia. All strands are coated in a Bridon Metalcoat.</p>

Type, dimension etc. of hangers	120 vertical hangers that are locked coil wire ropes each 54mm diameter with socket connections at the top and bottom of each hanger.
Is the cable structure dehumidified If so, established year	Not dehumidified
18. Expansion joints: Number Type Product	4 no. movement joints. Main movement joint at western tower FIP
19. Bearings: Number Type Product	
20. Extent of inspection and frequency, main cable inspection frequency, and means of access	
21. Means of funding bridge construction and ongoing costs	Predominantly toll income.
22.	
23.	
24.	

Photo 1:	Description
Website:	
Other comments:	