


1. Bridge name:	The Seohae Bridge
2. Location:	Korea (South)
3. Year opened to traffic:	2000
4. Design: Suspension/Cable stayed etc.	Cable stayed
5. Type of traffic: Road and/or railway	Road traffic
6. Bridge owner Contact information	Korea Expressway Corporation 208-96, Dongbu-daero 922beon-gil, Dongtan-myeon, Hwaseong-si, Gyeonggi-do Jongchil Park: picseven@ex.co.kr
7. Bridge operator Contact information If possible concession period	Korea Expressway Corporation 208-96, Dongbu-daero 922 beon-gil, Dongtan-myeon, Hwaseong-si, Gyeonggi-do
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	83,867 (Total year: 30,611,309) 136,631 14.5%
9. Number of road lanes per direction Number of rail lanes per direction Pedestrian Y/N Cyclist Y/N Emergency lane Y/N Other: _____ Road wearing surface type	3 0 N N Y Stone mastic asphalt approx. 75mm
10. Total length of the bridge Main span Approach span	7,310 m 470 m Cable stayed: 990 m (60+200+470+200+50) 2,340 m / 3,980 m
11. Type and height of pylon/Towers	Reinforced concrete Height: 182.263 m
12. Type of girder Height and width	Cable stayed span 2-l steel girders H= 2.8 m

	<p>B= 34.0 m</p> <p>Approach span</p> <p>Twin PSC box girders</p> <p>H= 3.5 m</p> <p>B= 15.7 m</p>
13. Type of foundation	Concrete foundation
14. Sea depth at main span	22 m
15. Vessel navigation channel	
Width	400 m
Clearance for vessels	62 m
16. Vessel/Ship traffic (annual traffic in 2015)	
17. Cable structure:	
Type, dimension etc. of main cable/stay cable	Parallel strand, 0.6" - 37 ~ 91 strands
Type, dimension etc. of hangers	Diameter: max. 280 mm
Is the cable structure dehumidified	
If so, established year	
18. Expansion joints:	For the cable stayed bridge (both directions)
Number	4
Type	Modular 2xDS800, DS560 / Finger D480 (replaced in 2015)
Product	Maurer / domestic
19. Bearings:	For the cable stayed bridge (both directions)
Number/Type/Product	10 vertical bearings on each pier. Total 40 Pot bearing Hyeopseong (domestic)
Number/Type/Product	2 vertical bearings on each pylon. Total 4 Elastomeric bearing Hyeopseong (domestic)
Number/Type/Product	2 vertical bearings on pier No.40 and 41. Total 4 Pot bearing Hyeopseong (domestic)
20. Extent of inspection and frequency, main cable inspection frequency, and means of access	Three gantries for the cable stayed bridge One under-bridge inspection truck for the approach spans 4 elevators for the pylons
21. Means of funding bridge construction and ongoing costs	Toll from expressway and national finance

	The Seohae Bridge
Website:	http://www.ex.co.kr/eng
Other comments: 8 Lock-Up Devices between pylon and girder F= 5,000 kN, ± 260 mm stroke Product: Alga, Italy	