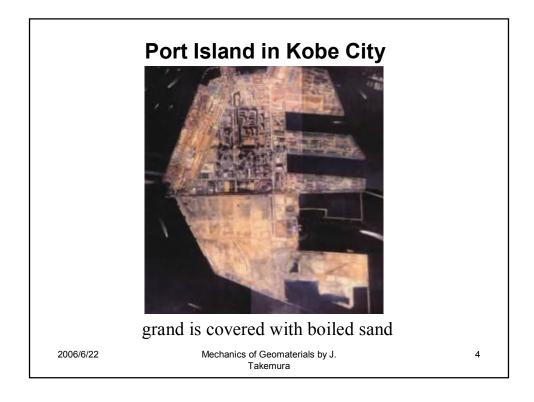
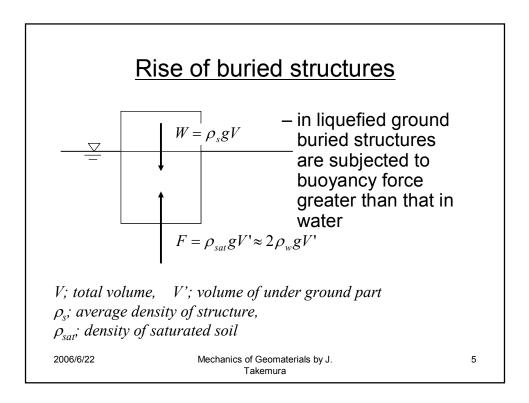


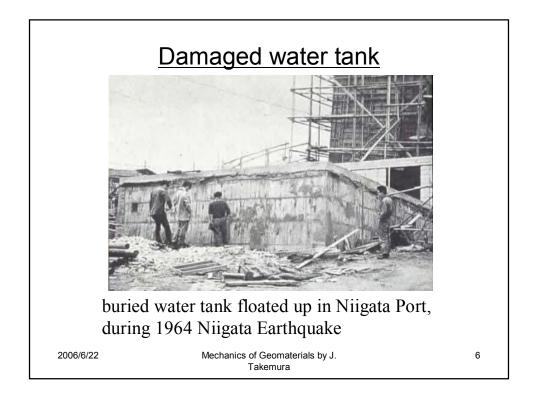
Estimated Damage Hanshin-Awaji EQ.,1995	
Items	Estimated value
	(billion yen)
1. Structure (building)	5800.0
2. Railway	343.9
3. Expressway	550.0
4. Public facilities	296.1
5. Harbor	1000.0
6. Reclaimed land area	6.4
7. Facilities for education	335.2
8. Facilities for agriculture, forestry and fisheries	118.1
9. Facilities for health, medical and welfare	173.3
10 Facilities for waste and sewage disposal	4.4
11. Facilities for water supply	54.1
12. Facilities for gas and electricity	420.0
13. Facilities for communication and broadcasting	120.2
14. Facilities of commerce and industry	630.0
15. Other public facilities	75.1
Total	9926.8 billion yen

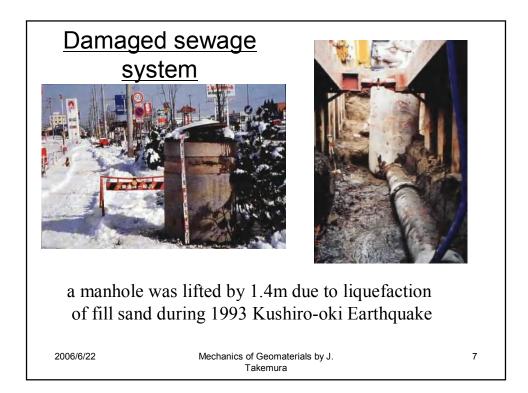
Water Front in Kobe City after 1995 Hyogoken Nambu Earthquake

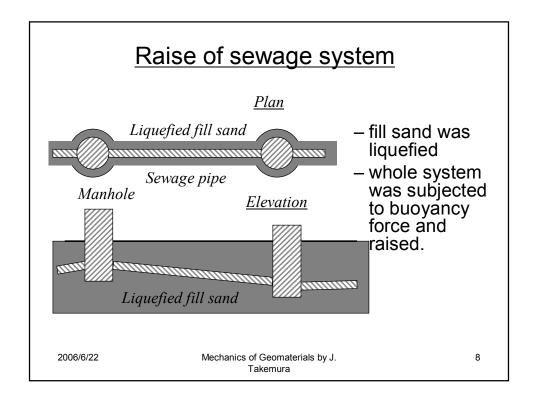


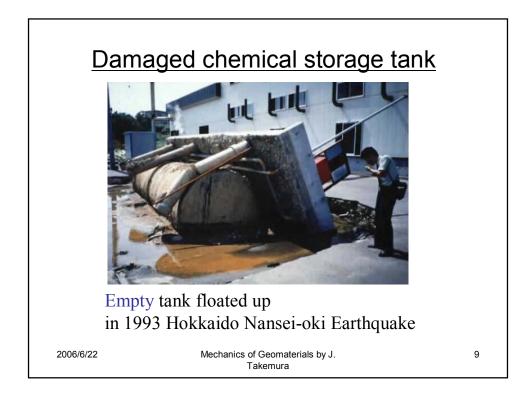


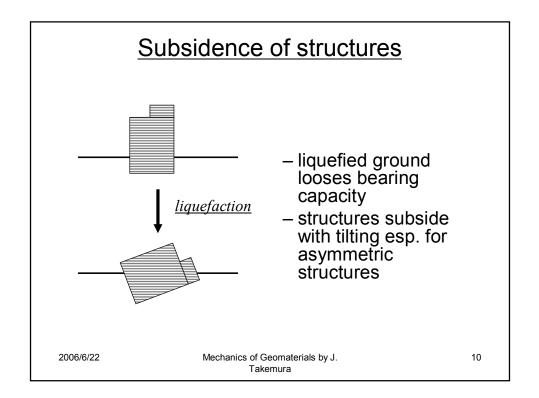


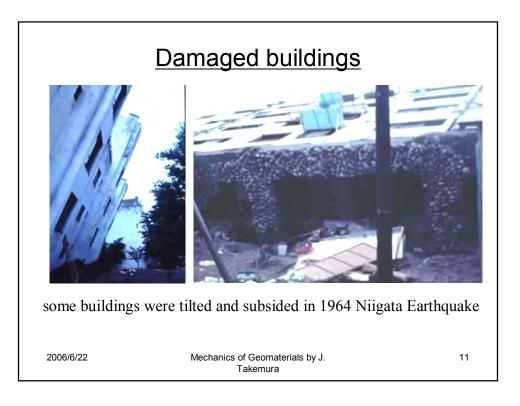


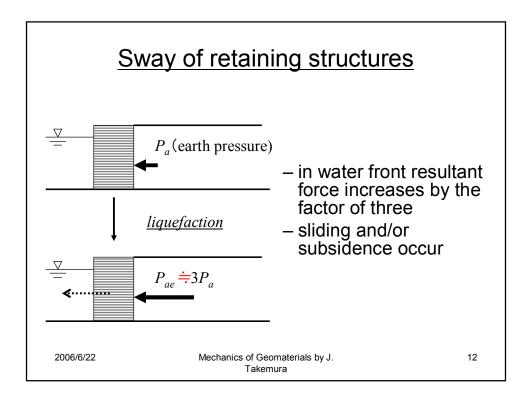


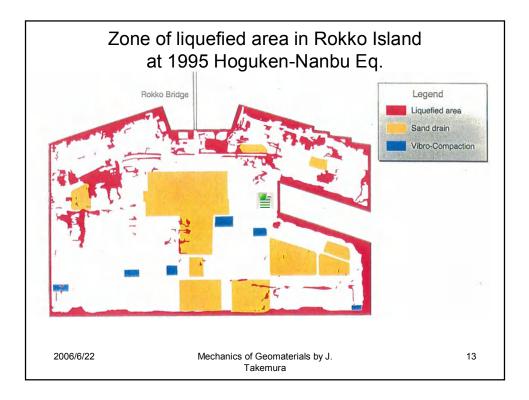


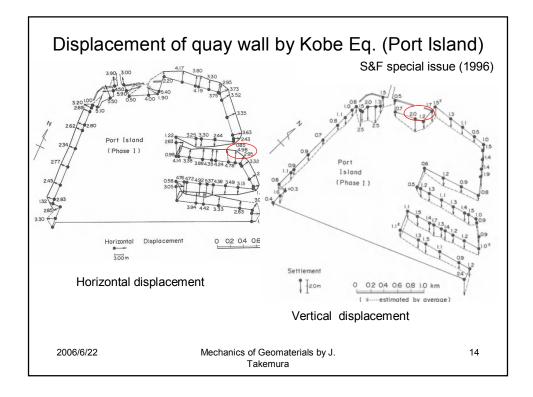


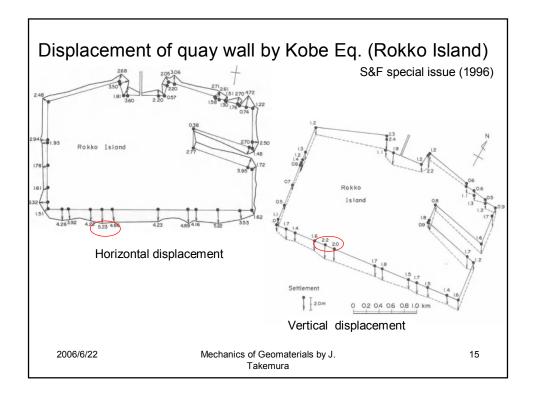


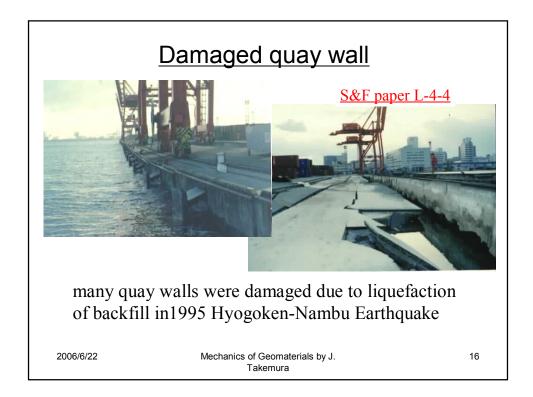


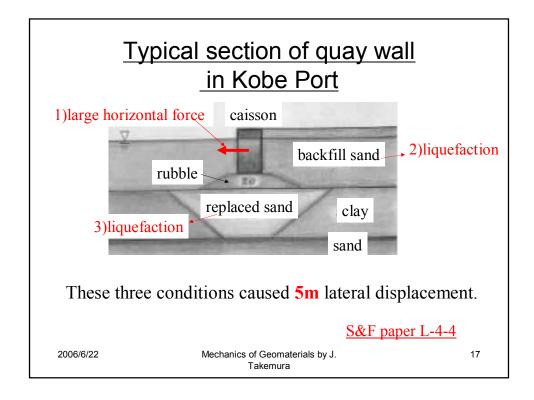


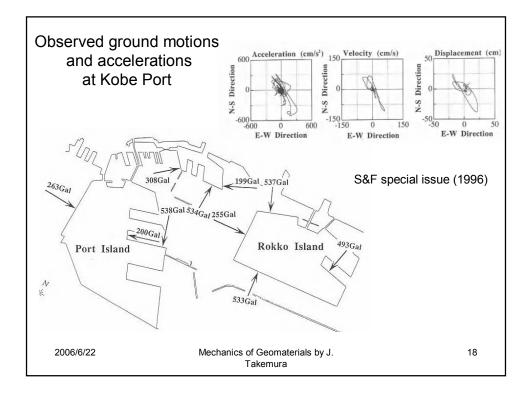


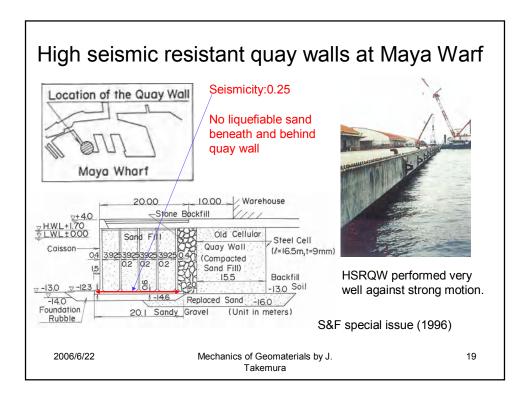


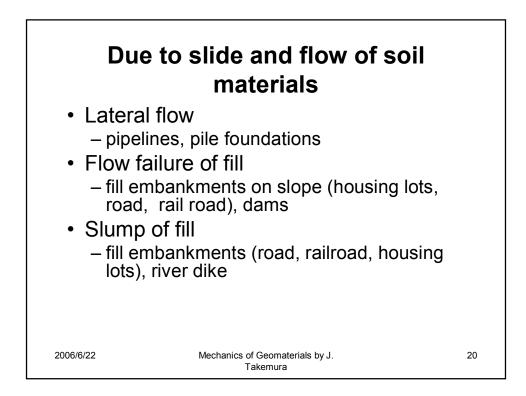


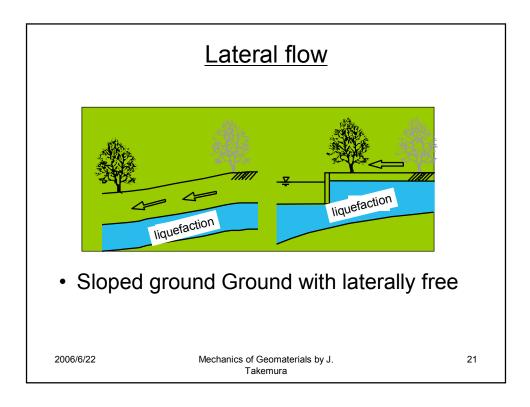


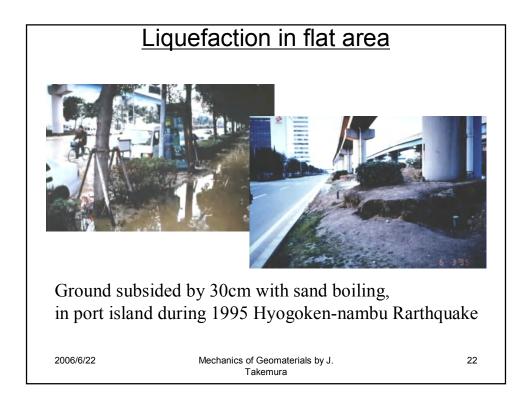


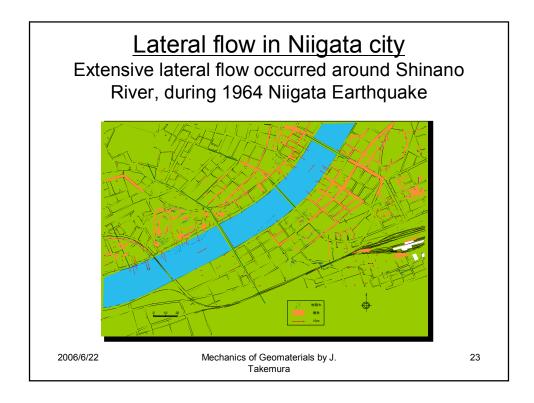


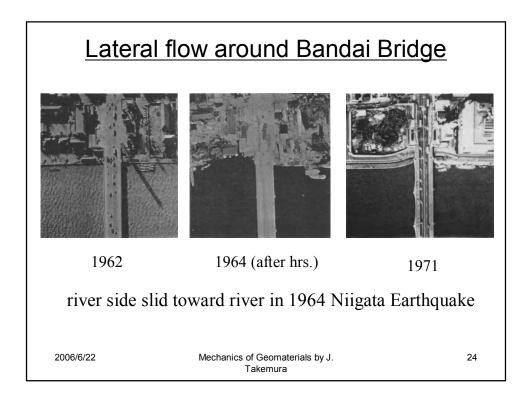


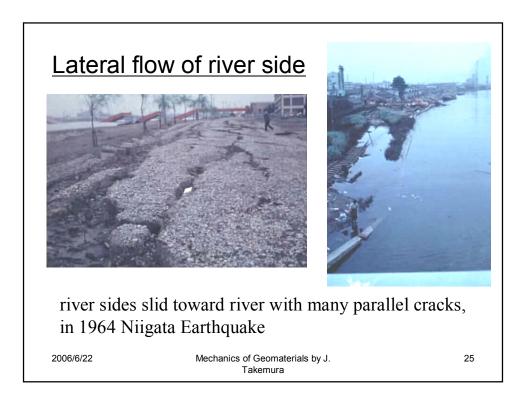


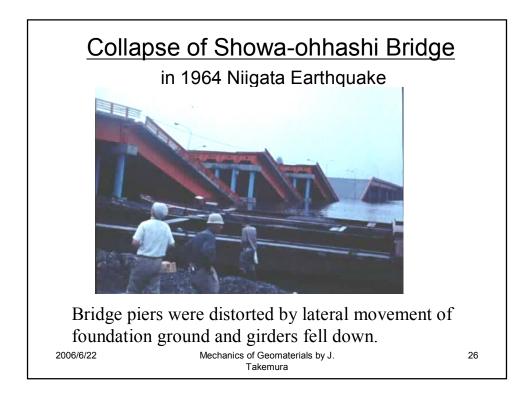


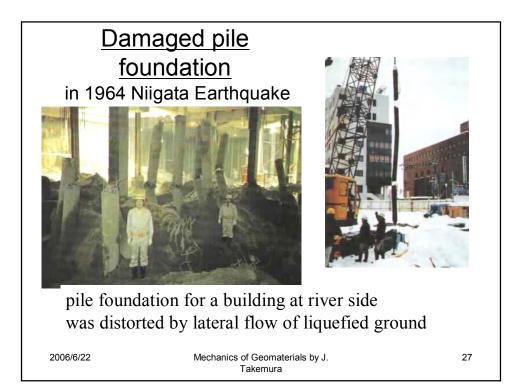


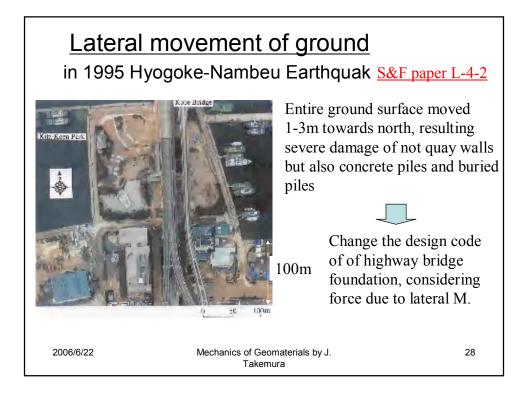


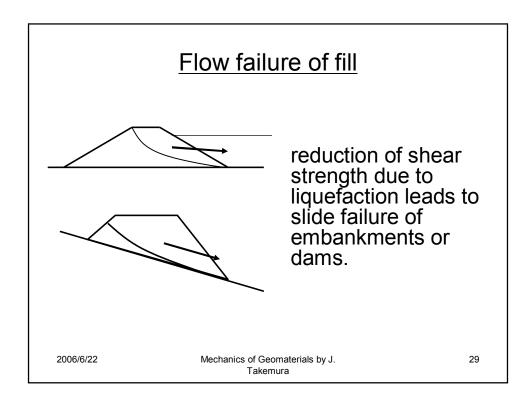


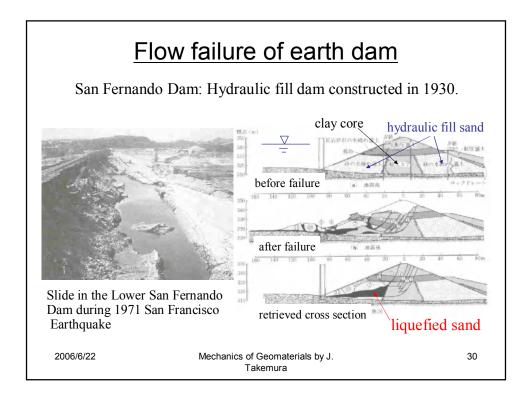












Collapsed road fill embankment



2006/6/22

Mechanics of Geomaterials by J. Takemura 31

