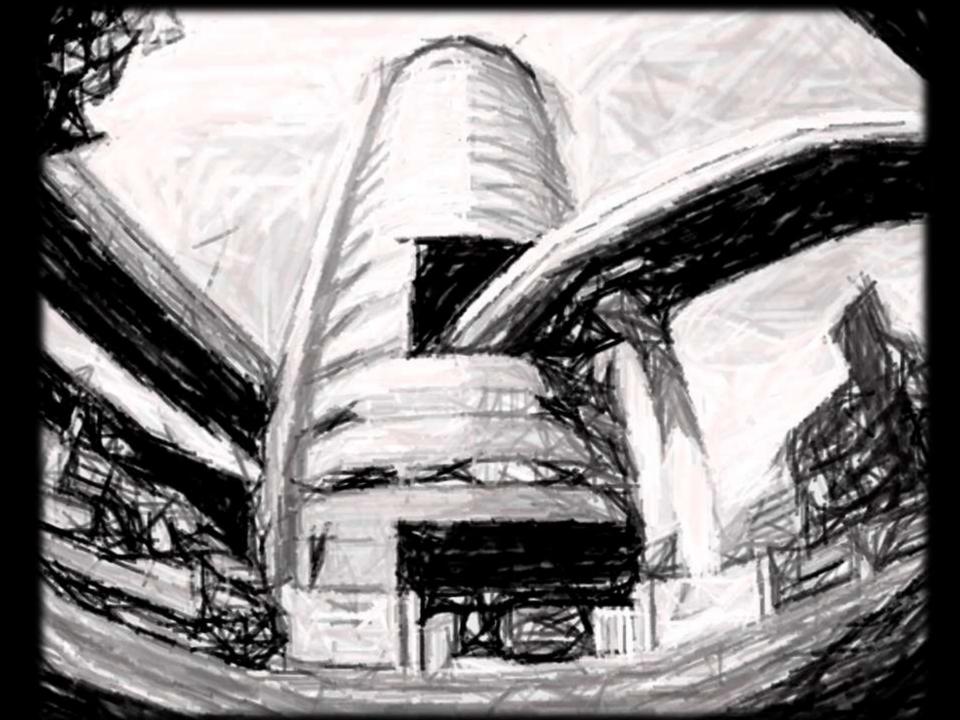
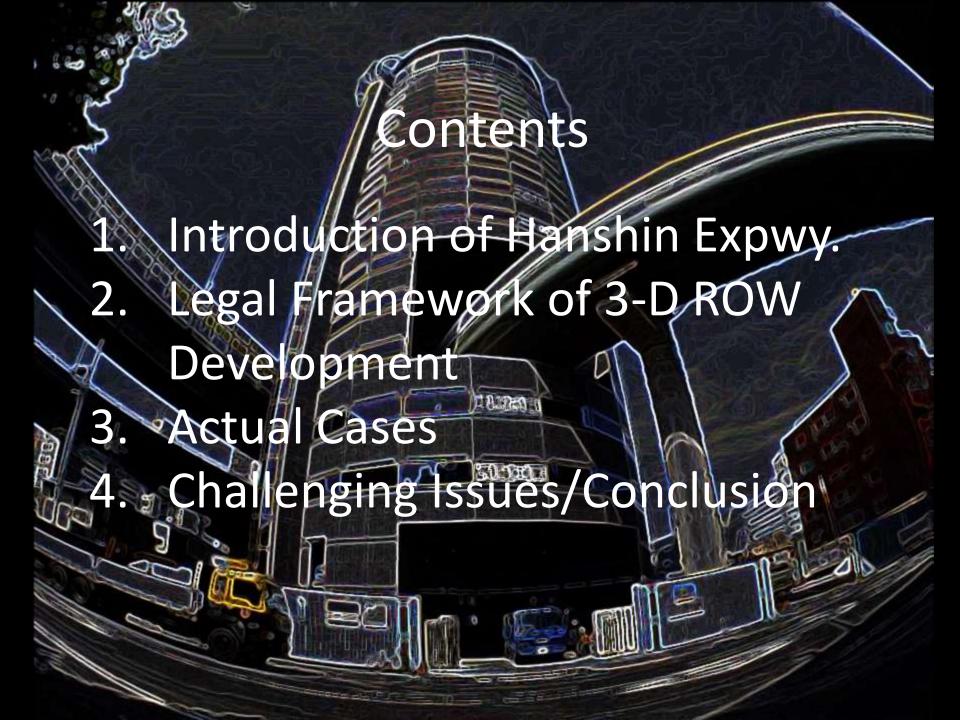
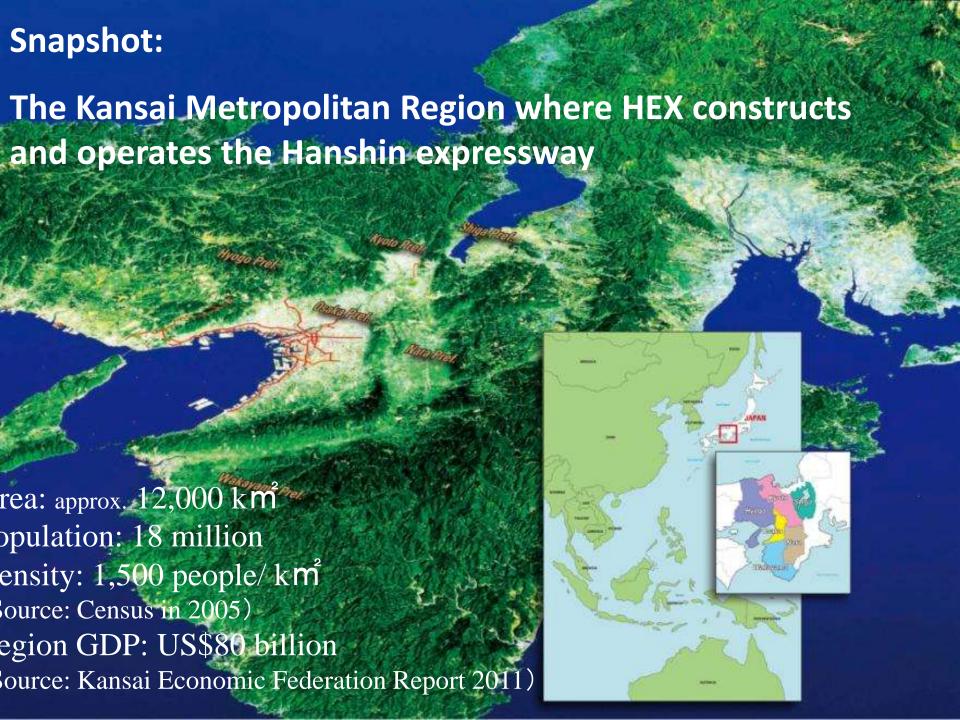


February, 2017







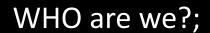














Hanshin Expressway Co. Ltd.

Melshin Expressway

HANSHIN EXPRESSWAY OSAKA KOBE

Establishment: 1964

Privatization: 2005

Equity Holders:

National Gov. NORE CITY

Local Gov. of the Kansai Metropolitan Region

(Osaka, Hyogo & Kyoto)

Capital: 20 billion JPY

Annual Toll Revenue: 170 billion JPY (2013)

LEGEND
Operating Routes of Hanshin Expressway
Projected Routes of Hanshin Expressway
Road Projects Under Contemplation of Hanshin Expressway
Other Truck Roards

Operation & Maintenance: 259.1 km

OSAKA CITY

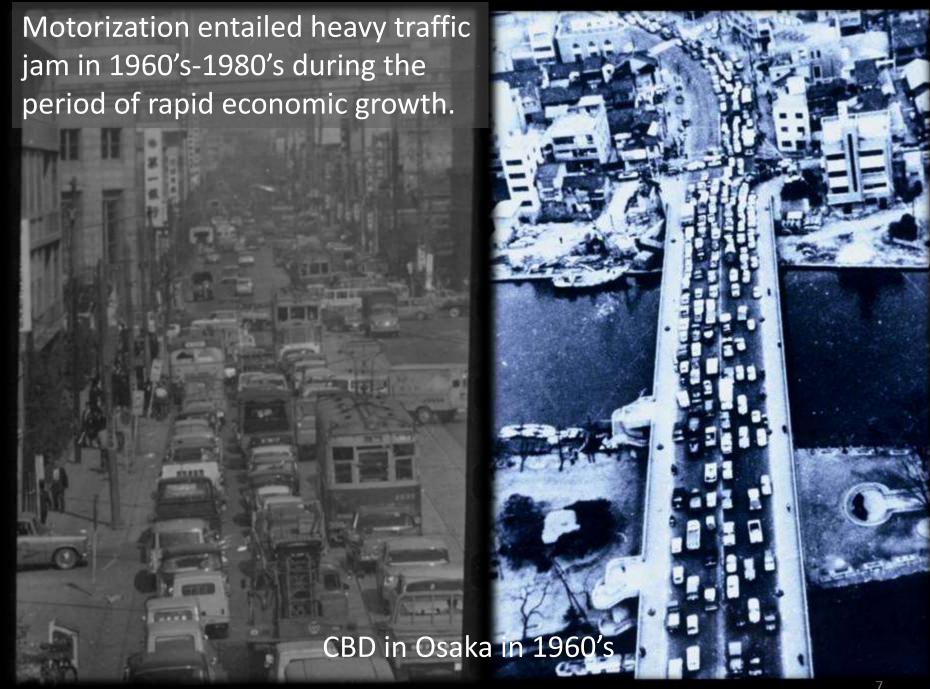
Osaka Mashiosaka Route

EXPO LAND

Under Construction: 13.9km

Toll: 500-900JPY (Distance Basis)

Daily Traffic Amount: 700 thou.



HEX utilized canals when constructing the loop highway in the CBD of Osaka.





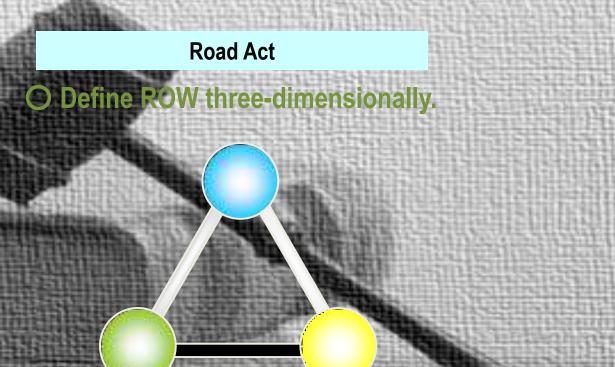
Today



HEX's mission is to harmonize urban expressways with turban development by promoting effective ROW utilization in the Manly dense CBD of the cities.

Legal Framework

Legal Framework of the Three-dimensional ROW Development



Building Standard Act

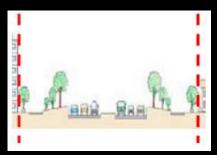
O Lift the building regulations within ROW.

Urban Planning Law

- O Define a hybrid area and clearances in the district plan.
- O Define a vertical range of the road to be developed.



In principle, any development is prohibited above/beneath roads.







(Road Act)

However, Three-Dimensional ROW (3-D ROW) Development is allowed promote

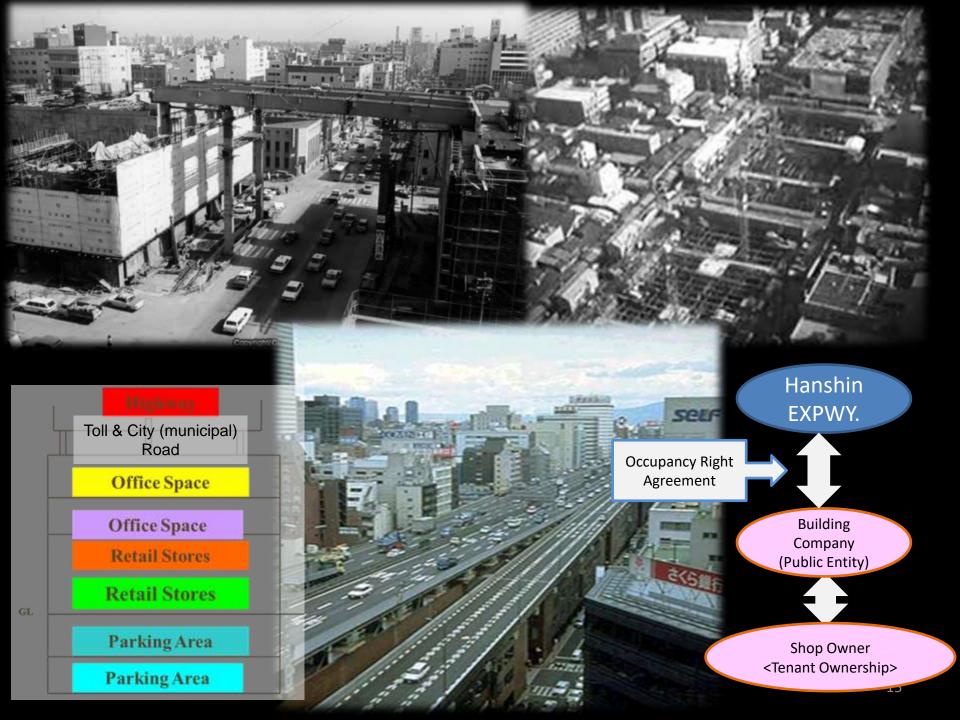
urban space reallocation

between PAPs and Gov.









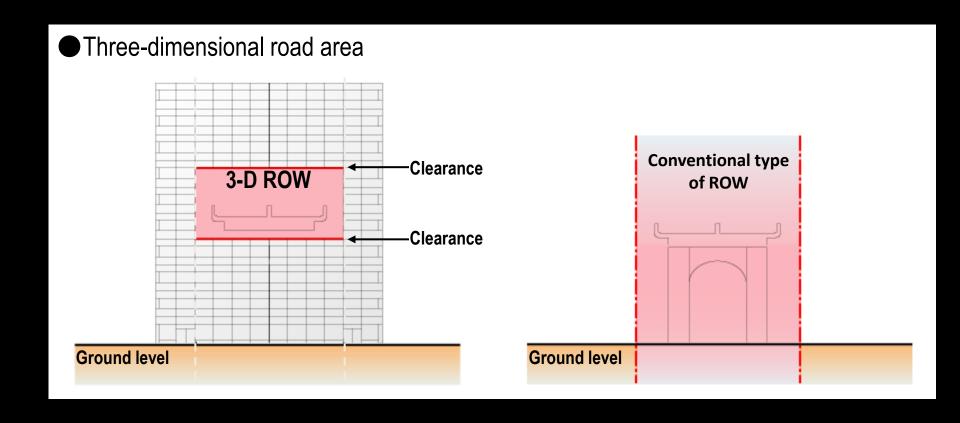






Key point

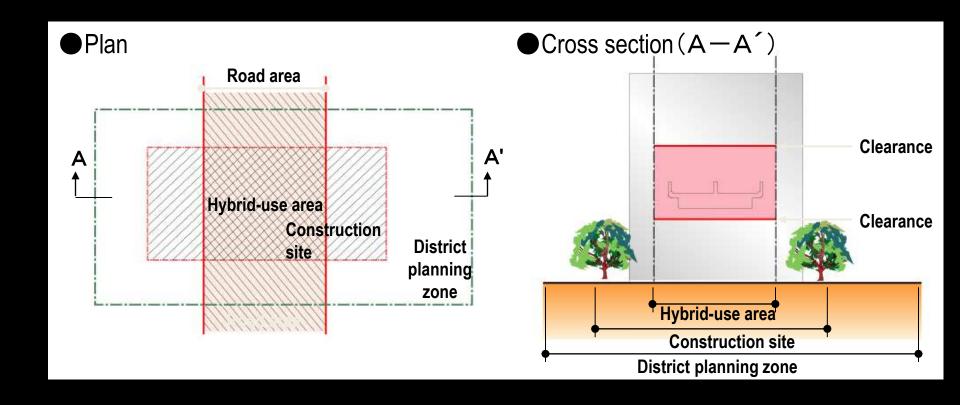
Define ROW three-dimensionally. (Define upper and lower limits in space or underground.)



Urban Planning Law

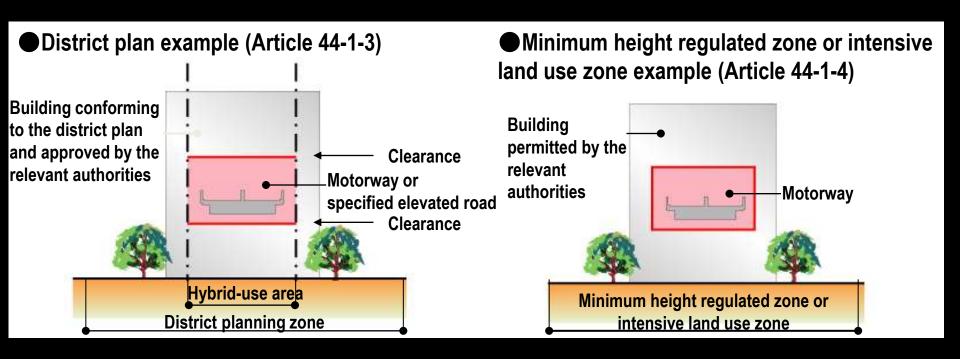
Key point

Define a hybrid-use area and clearances in the district plan.



Key point

Lift the building regulations within ROW.



Note: The building must be fire-proof in its primary frame and must be approved or permitted by the relevant authorities.





Case #5
Minatomachi River Place

Minatomachi On/off Ramp (north) (Sakai Route #15)

Location: Naniwa-ku, Osaka City

Opened for service: April, 2002

Features: Integrated road and building, height regulated zone





Minatomachi Off Ramp (south)

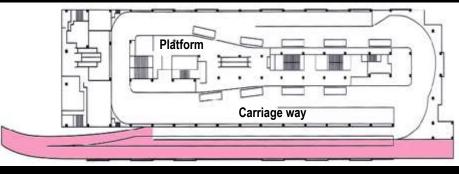
Location: Naniwa-ku, Osaka City

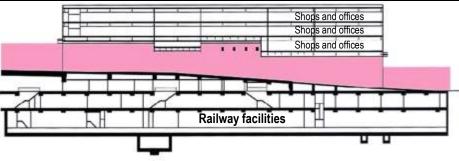
(Sakai Route #15)

Opened for service: March, 1996

Features: Integrated road and building, redevelopment district plan (integrated into district plans by modification to the law)



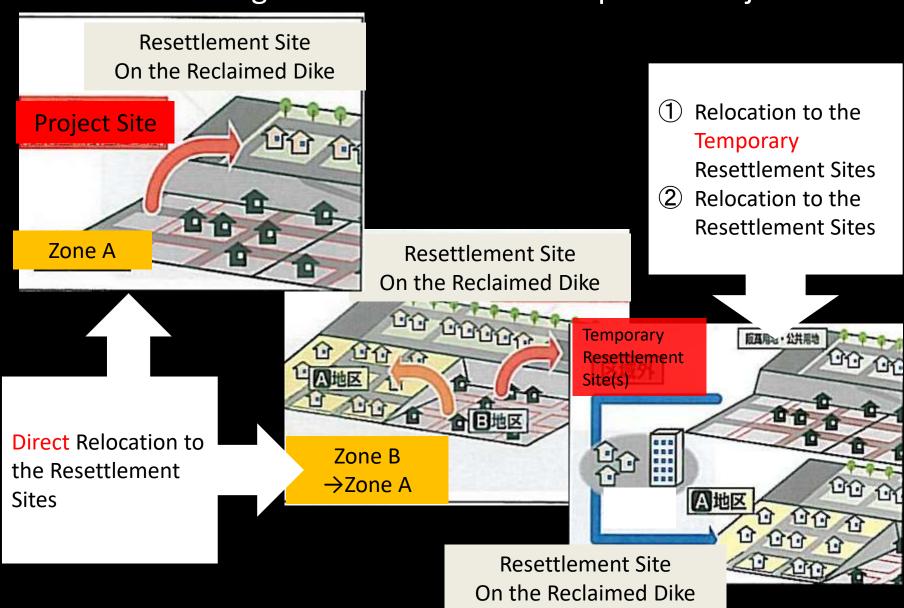




Case #6 Yamatogawa Riverside Redevelopment Project



Land Readjustment of the Yamatogawa Riverside Redevelopment Project

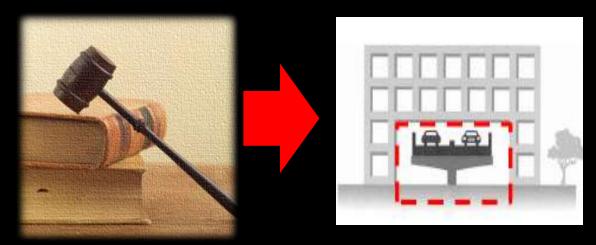


Challenging Issues

- Difficulty in Consensus Building due to the
 - Complexity of the Project Scheme
- Longer Project Periods to convert a PAPs land title to other sorts of right (e.g., tenure) with just and fair compensation
- Encroachment and Regulations into/for the Private
 - Property Area after completion of the project for
 - the maintenance reason

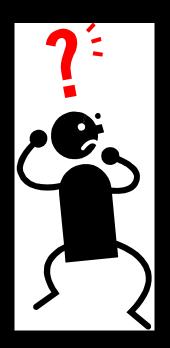
Conclusion

- 3-D ROW Development enables hybrid development by reallocating urban space between the local community and government
- To promote urban infrastructure development
- To restore livelihood of PAPs within the project site.



Development/amendment of the legal framework (e.g., Land Law) should be prioritized for the 3-D development.

Thank you! ありがとうございました。



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