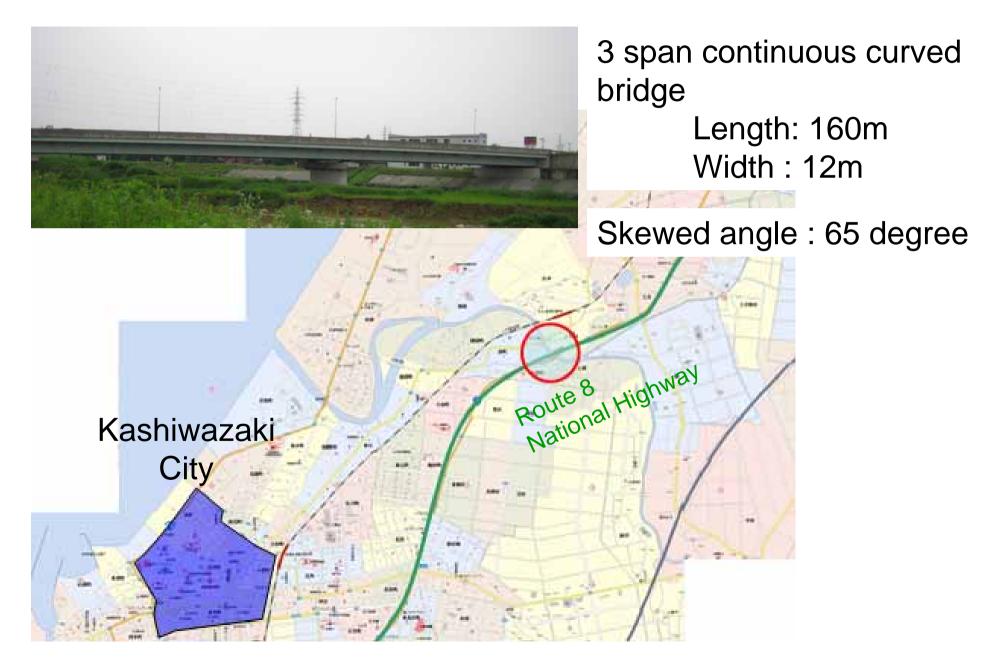
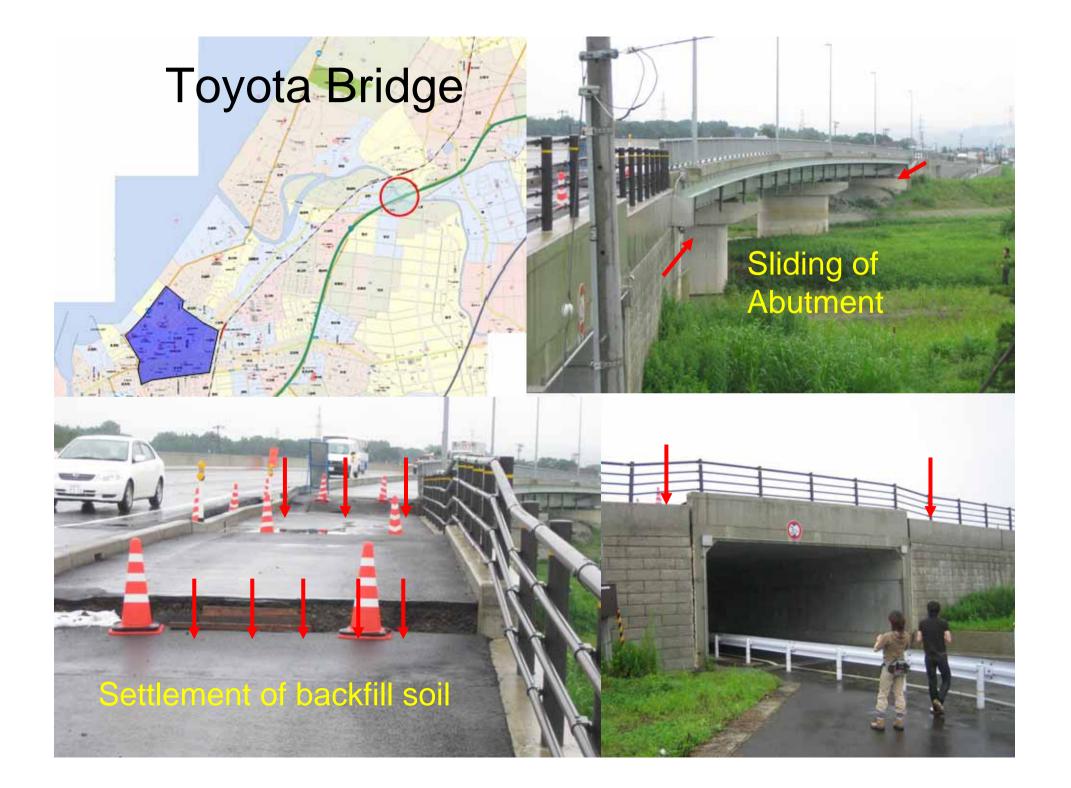


Toyota Bridge (Curved Bridge)



Toyota Bridge (Curved Bridge)





Toyota Bridge

Settlement of the backfill soil Sliding of Abutment 1



Gap closed at the expansion joint





Toyota Bridge





Longitudinal Direction

Permanently Deformed Elastomeric Bearing Longitudinal Transver Direction Direction

<u>se</u>

Estimation of the Global Deformation of Toyota Bridge

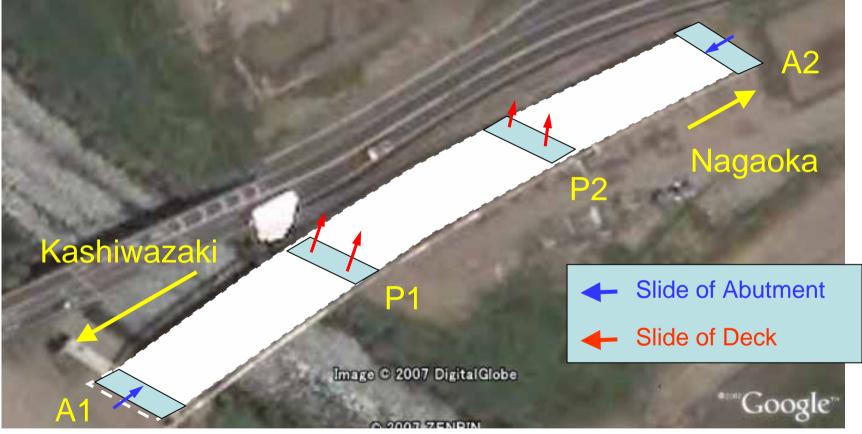
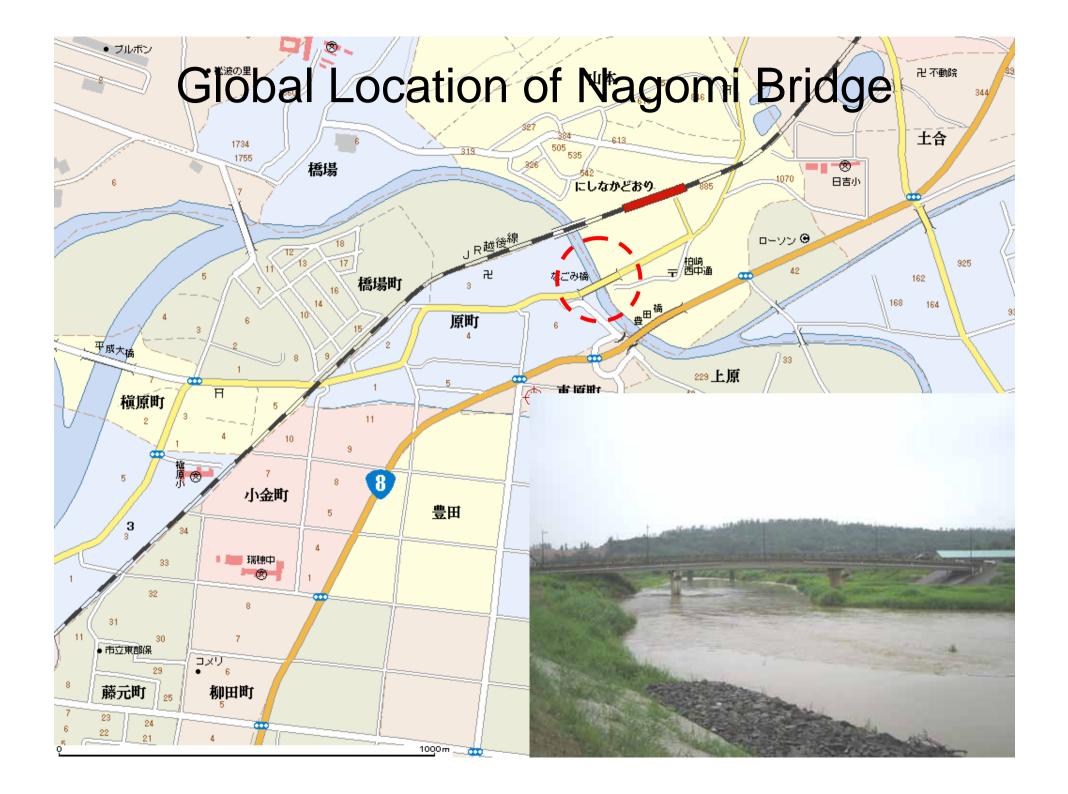


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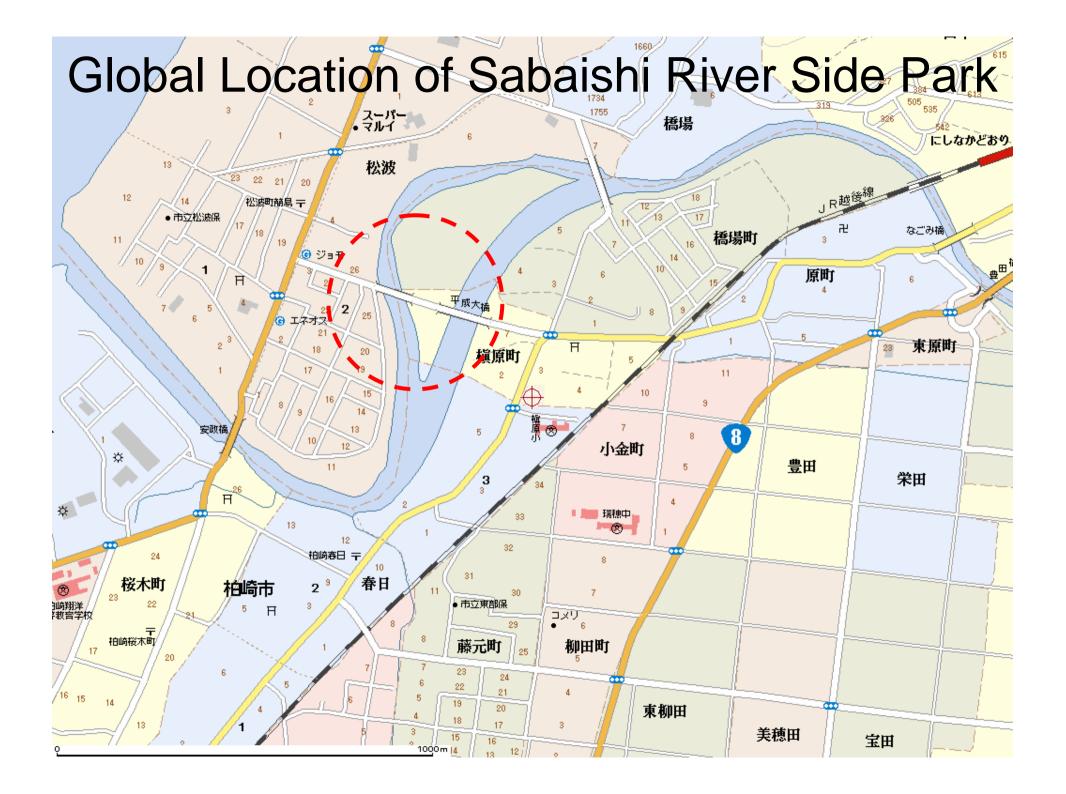
Damage of Expansion joint of Nagomi Bridge



the closure of gap

Sliding of Embankment and Cracking of Concrete at the Abutment





Liquefaction at the Parking Area







Liquefaction and Soil boiling



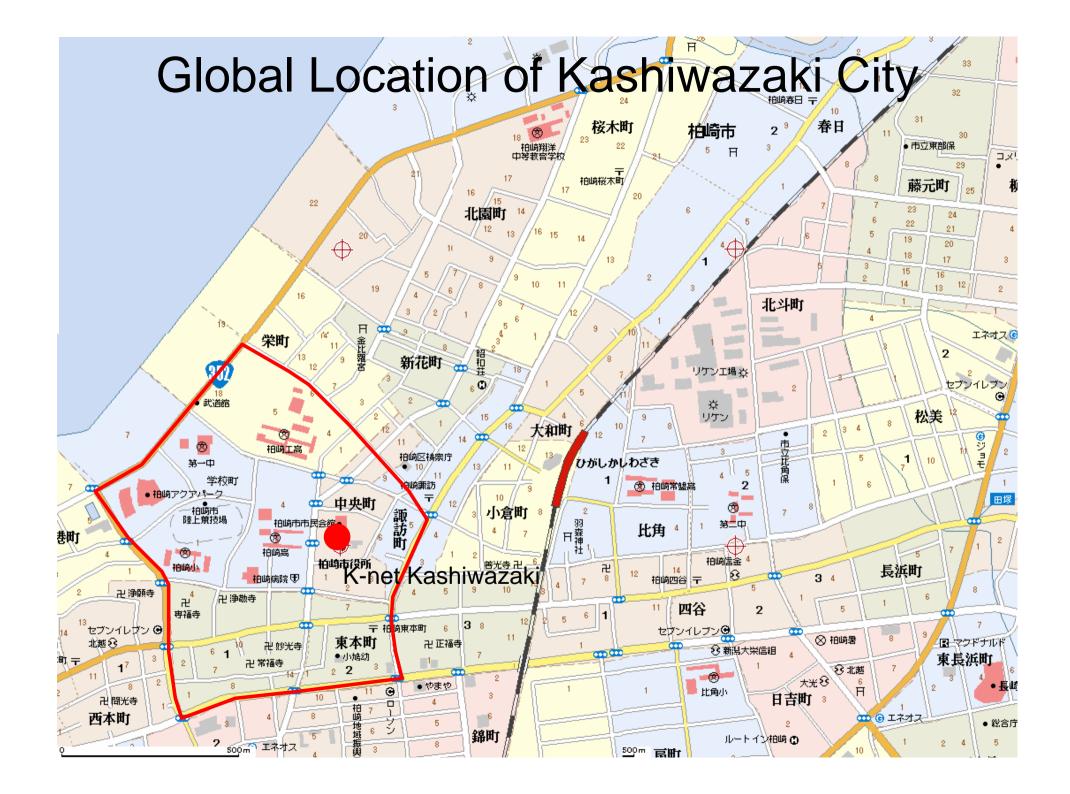


Settlement of Backfill Soil











Kashiwazaki City (Chu-Ou Chou)





Kashiwazaki City (Public space)



Kashiwazaki City (Kashiwazaki Elementary School) 352 18 • 武道館 B 拍崎工高 拍崎区横察庁 ● 10 第一中 学校町 œ 拍崎諏訪 ・ 拍崎アクアパーク 👾 中央町 • 柏崎市 陸上競技場 拍崎市市民会會 勘 R -66-31 町 拍崎市役所 拍脑心 拍崎病院伊 12840192

Outskirts of Kashiwazaki City





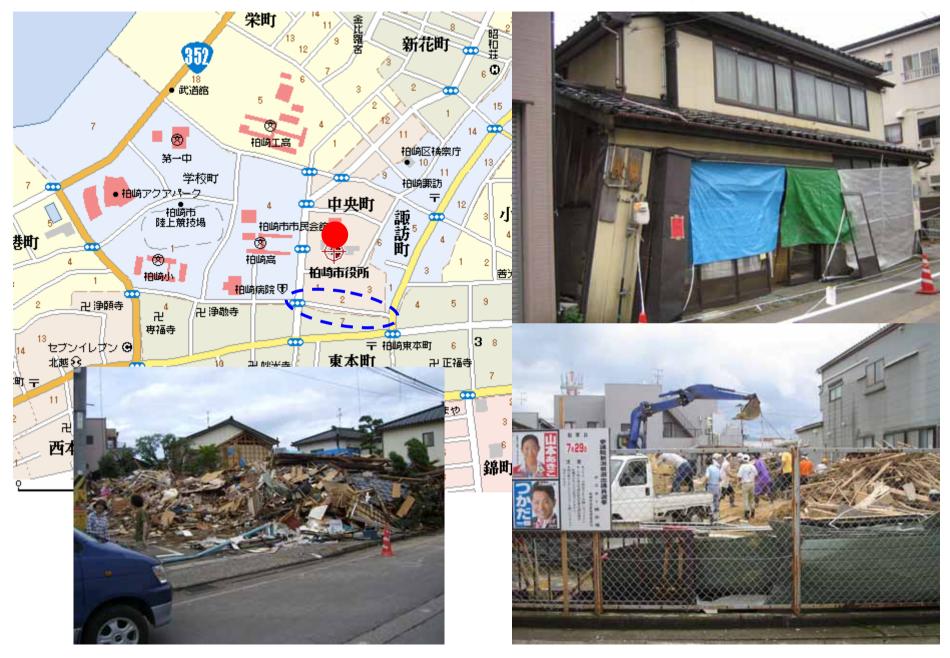
Settlement of Ground



Old Market Street (Most Damaged Area)



Old Market Street (Most Damaged Area)



Inspector check the safety of building and houses



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	LIMITED			
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Kashiwazaki Hospital



Residential Area



Seaside Park (Supply Base of Disaster Relief Activity by Military Service)





Seaside Bridge

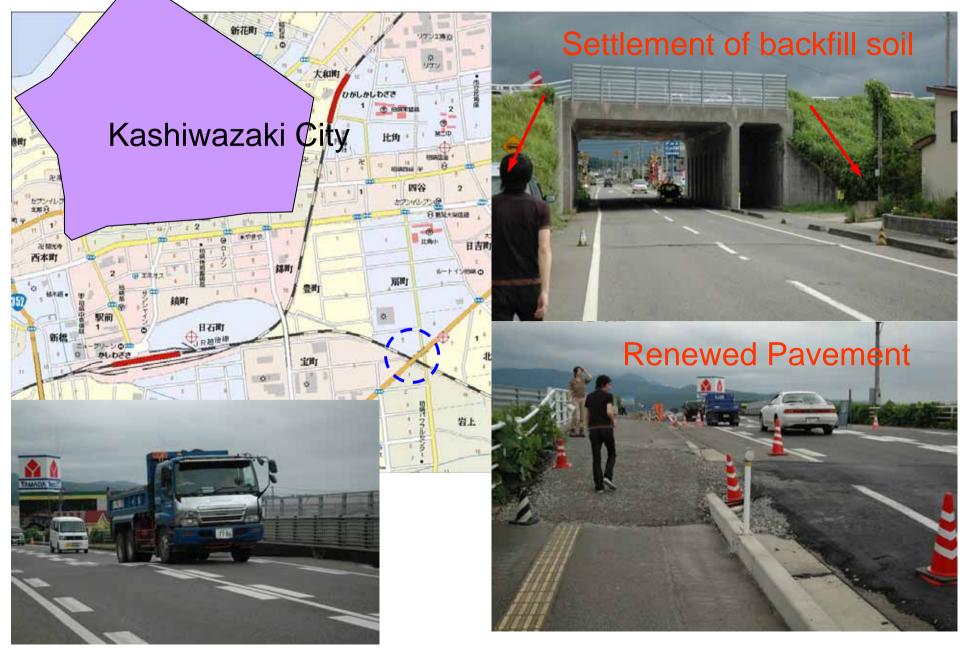
Settlement of backfill soil

10-7





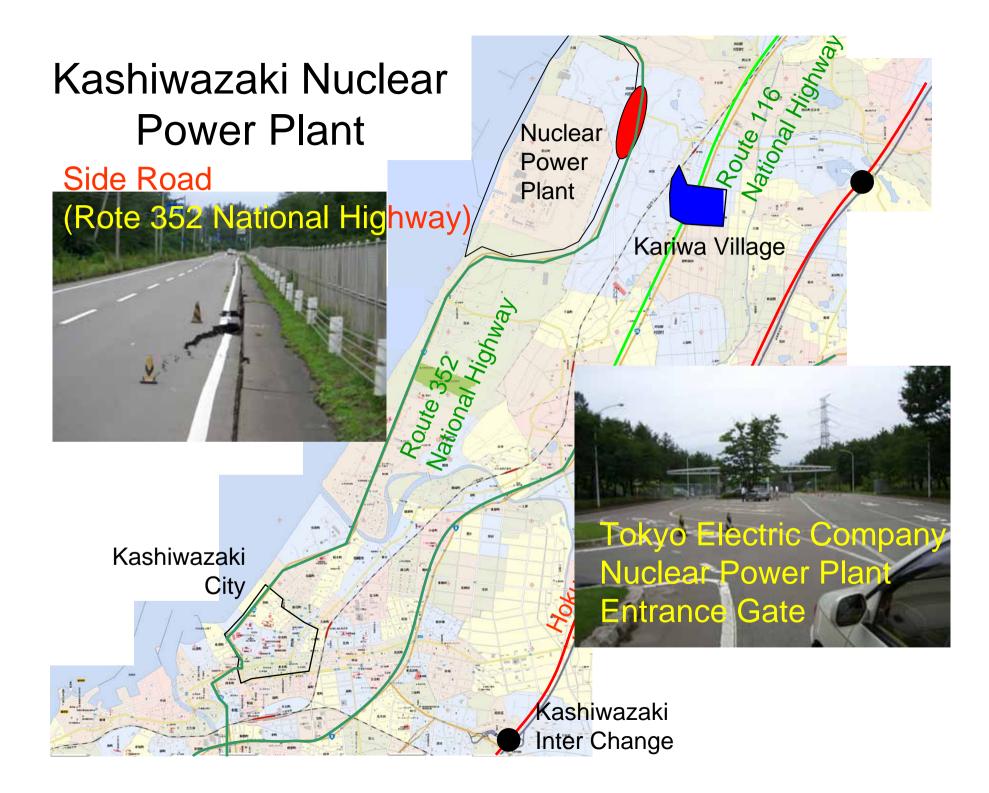
Route 8 National Highway



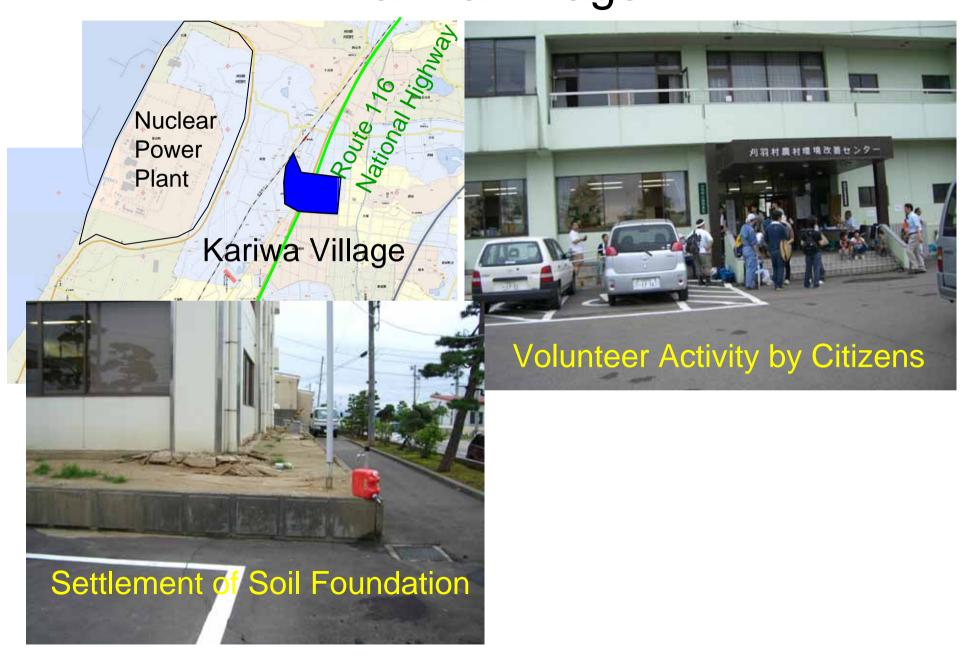
Route 8 National Highway







Kariwa Village



Kariwa Village

