

# **Preliminary Report : Damage Survey of 2021 the Offshore the Fukushima Prefecture Earthquake**

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# 被害調査概要

## ● Date of the field survey

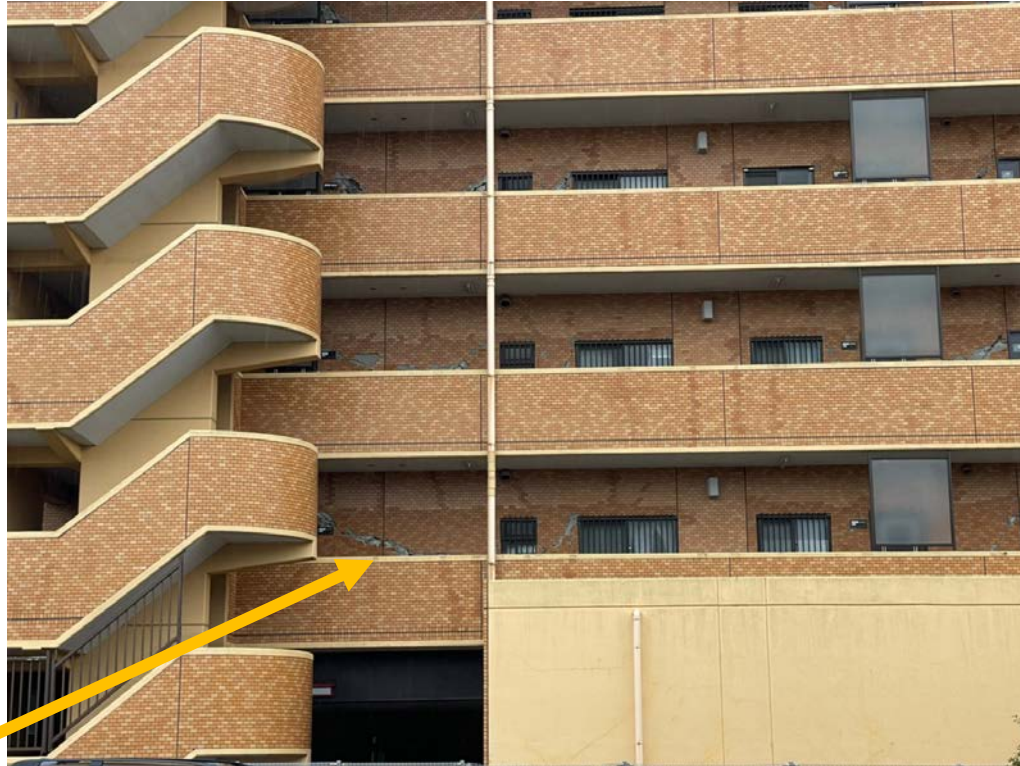
- February 15<sup>th</sup>, 16<sup>th</sup>, 2021

## ● Location of the field survey

- Fukushima Pref. : Fukushima City, Koori Town, Soma City, Shinchi Town
- Miyagi Pref. : Yamamoto Town, Shiroishi City

# Fukushima City

- Steel reinforced concrete structure :  
Shear failure of nonstructural members



# Koori Town

- Traffic restrictions due to collapses
- Damage to block walls, roof tiles
- Overturned gravestones



# Soma City (Soma overpass bridge)

- Bump and cracks in pavement at bridge girder ends and abutments



# Soma City (Soma Higashi bridge)

- Bump and cracks in pavement at bridge girder ends and abutments
- Residual displacement of laminated rubber bearing
- Traces of displacement on the side block
- Traces of liquefaction



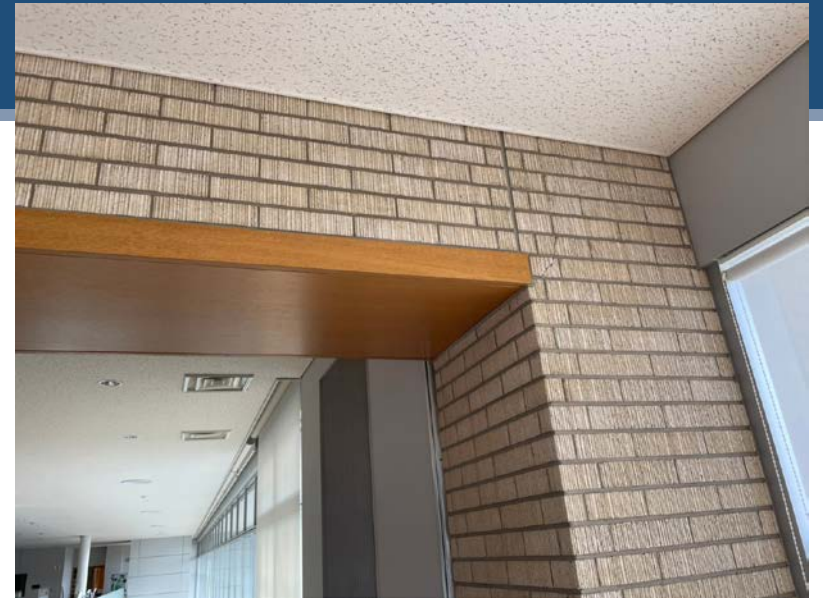
# Shinchi Town

- Broken glass window
- Damage to RC structures
- Collapsed many block walls and roof tiles



# Shinchi Town (town office)

- Fallen ceilings, dislodged air conditioning equipment
- Cracks in walls and beam-column joints





# Yamamoto Town (Sakamoto branch Office )

- Subsidence and unevenness of pavement due to liquefaction
- Multiple cracks inside the building.
- Water supply was cut off due to a broken water pipe.



# Shiroishi City

- Shear failure of Shinkansen viaduct crossbeam
- No damage to houses in the area.



# Sympathy and Acknowledgement

We would like to express our heartfelt sympathy to the victims of the earthquake.

We would like to express our gratitude to the officer of Yamamoto town and Shinchi town for allowing us to investigate the inside of their buildings.