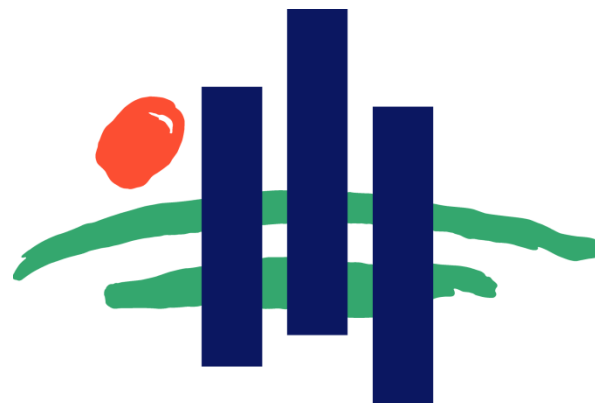




TAISEI

Ductal Application



No.1: Torisakigawa Bridge (Hokkaido Junkan Expressway)



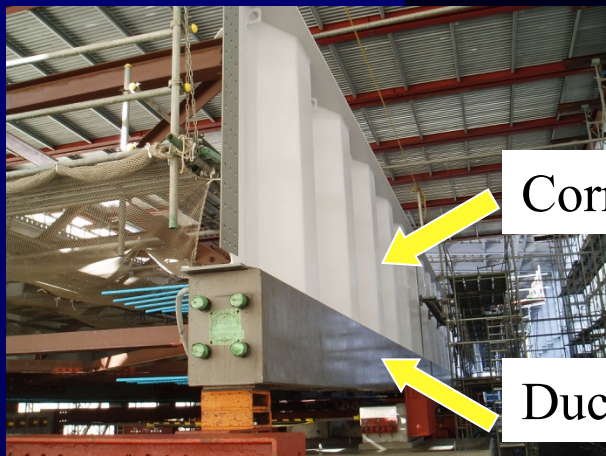
*Hokkaido Prefecture
Completion 2006.12*

Torisakigawa Bridge



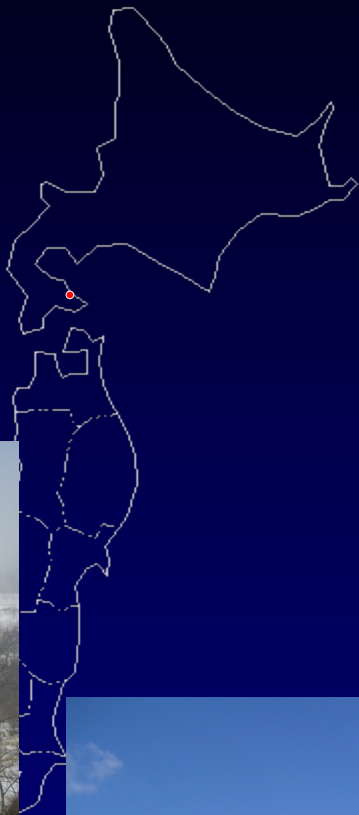
Construction Photograph

—Torisakigawa Bridge—



Corrugate steel web

Ductal beam



Completion Photograph

—Torisakigawa Bridge—



E-NEXCO

Completion 2006.12



JSPC bridge award

No.2: Sakata Mirai Bridge



*Yamagata Prefecture
Completion 2002.10*

Sakata Mirai Bridge



Construction Photograph

—Sakata Mirai Bridge—



Drastic weight reduction:
1/5 of ordinary PC bridge
Slab = 5 cm, web = 8 cm



Low height/span ratio:
Middle = 1/32, End = 1/91

Completion Photograph

—*Sakata Mirai Bridge*—



First Ductal Bridge in Japan



JSC bridge award
JCI bridge award
JSPC bridge award
Good design award
Nikkei BP award
Footbridge 2005

No.3: Akakura Onsen Yukemuri Bridge



*Yamagata Prefecture
Completion 2004.1*

Akakura Onsen Yukemuri Bridge



Construction Photograph —Akakura Onsen Yukemuri Bridge—



- Light dead weight :
slab & web thickness $t = 7 \text{ cm}$
- Low height span ratio
 $H/L = 1/40$ (Height = 0.95m)

Completion Photograph

—Akakura Onsen Yukemuri Bridge—



Completion 2004.1



No.4: Sky corridor in Keiou University

*Tokyo Prefecture
Completion 2005.3*



Sky corridor in Keiou University

Construction Photograph

—Sky corridor in Keiou University—

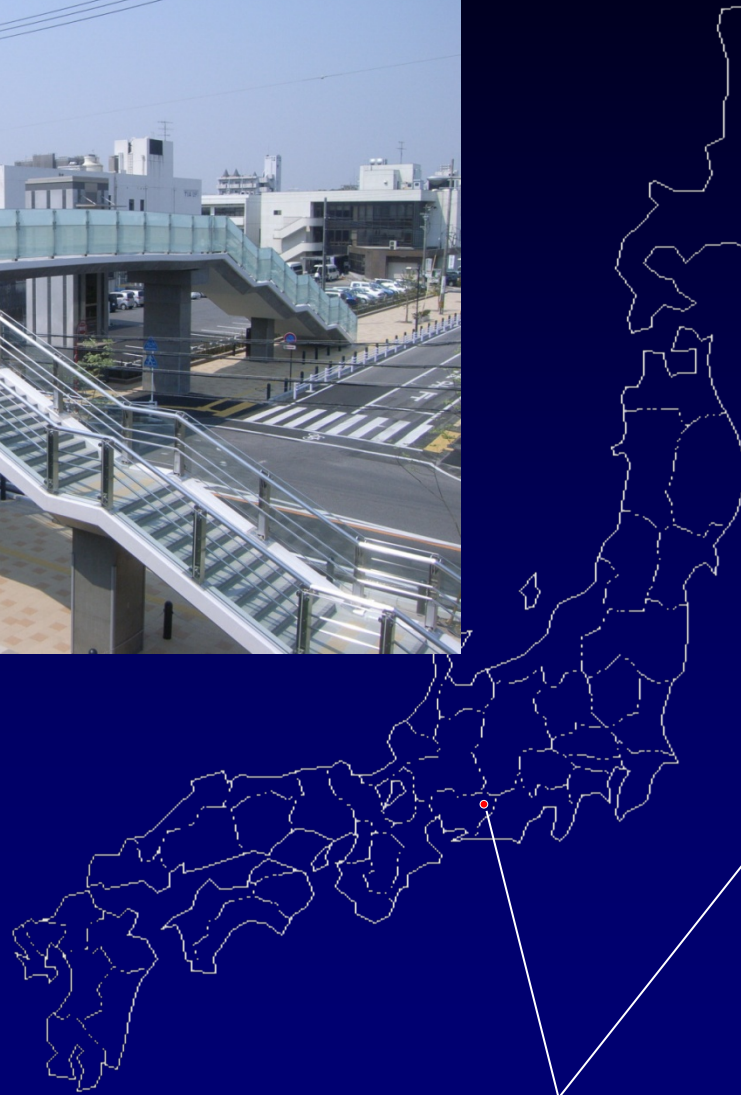
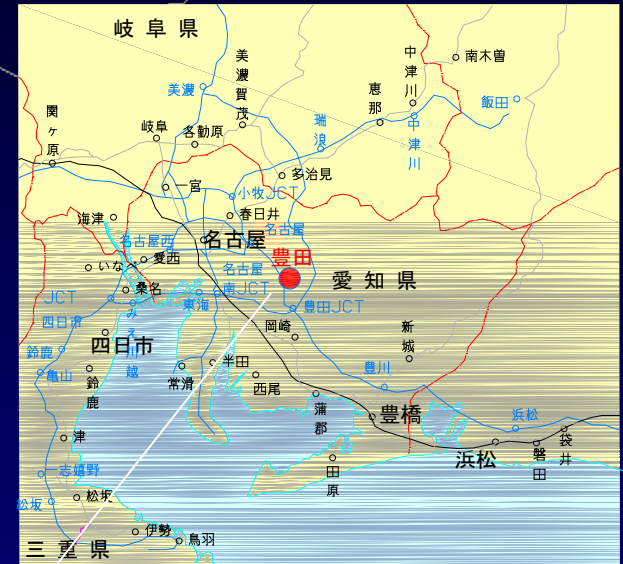


Completion Photograph —Sky corridor in Keiou University—



No.5: Toyota City Gymnasium Footbridge

*Aichi Prefecture
Completion 2007.2*



Toyota City Gymnasium Footbridge

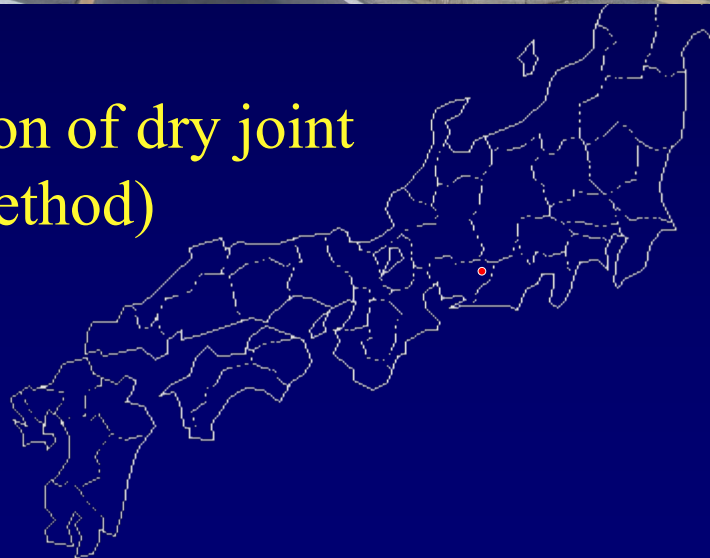
Construction Photograph —Toyota City Gymnasium Footbridge—



Completion Photograph —Toyota City Gymnasium Footbridge—



First application of dry joint
(match cast method)

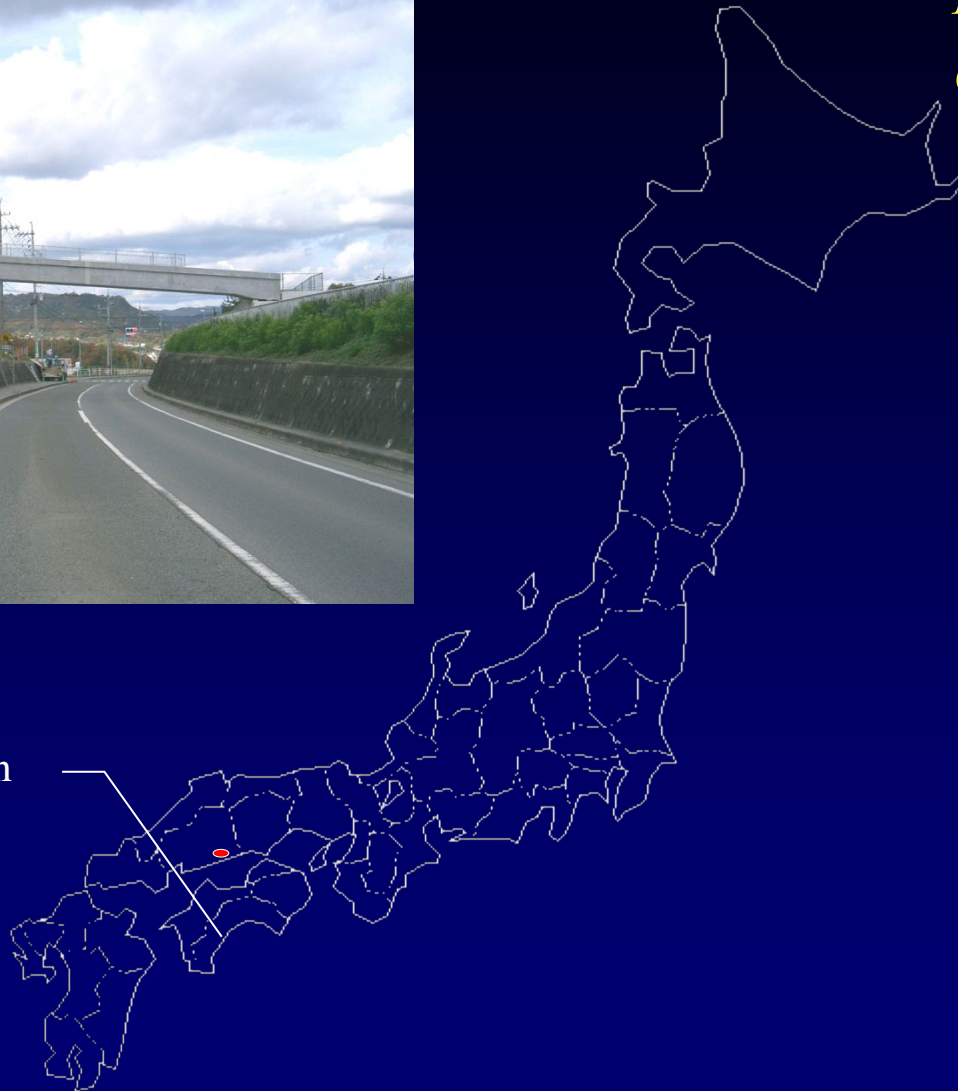


No.6: Ductal Through Bridge

*Hiroshima Prefecture
Completion 2006.11*



Ductal Through
Bridge



Construction Photograph

— Ductal Through Bridge —



Completion Photograph

— Ductal Through Bridge —



No.7: Mikaneike Bridge



*Fukuoka Prefecture
Completion 2007.5*



Mikaneike Bridge

Construction Photograph 1

—Mikaneike Bridge—



Construction Photograph 2

—Mikaneike Bridge—

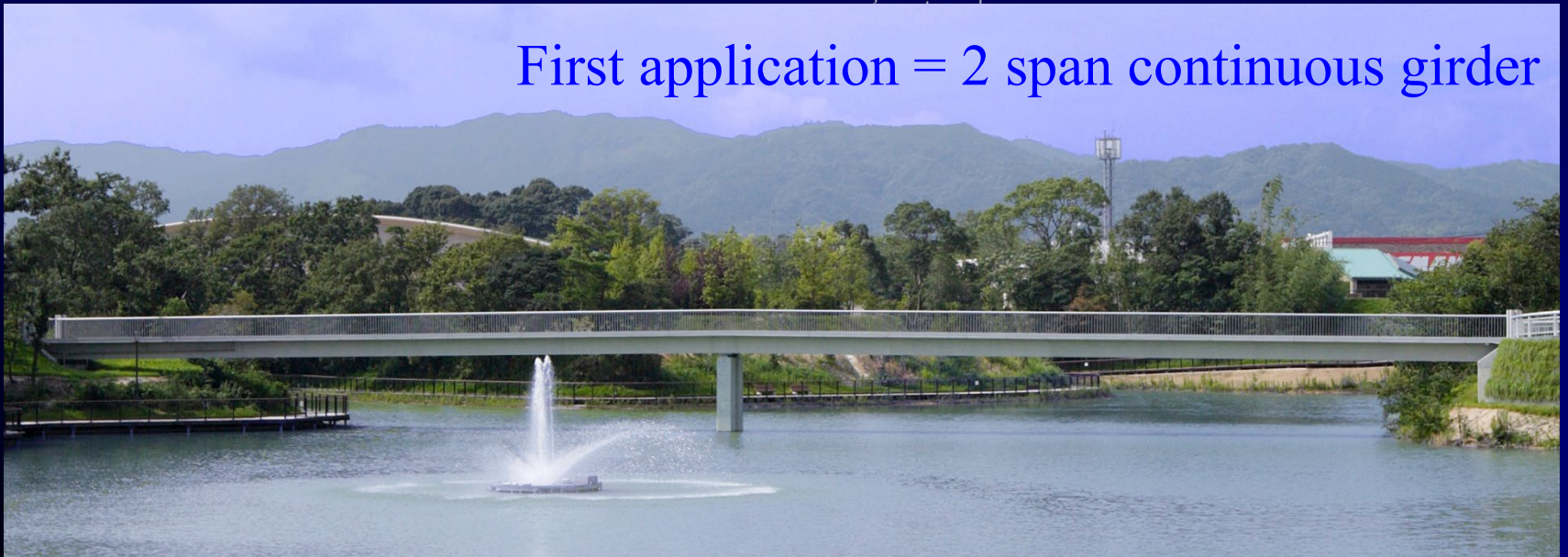


Completion Photograph 1

—Mikaneike Bridge—



First application = 2 span continuous girder



Completion Photograph 2

—Mikaneike Bridge—



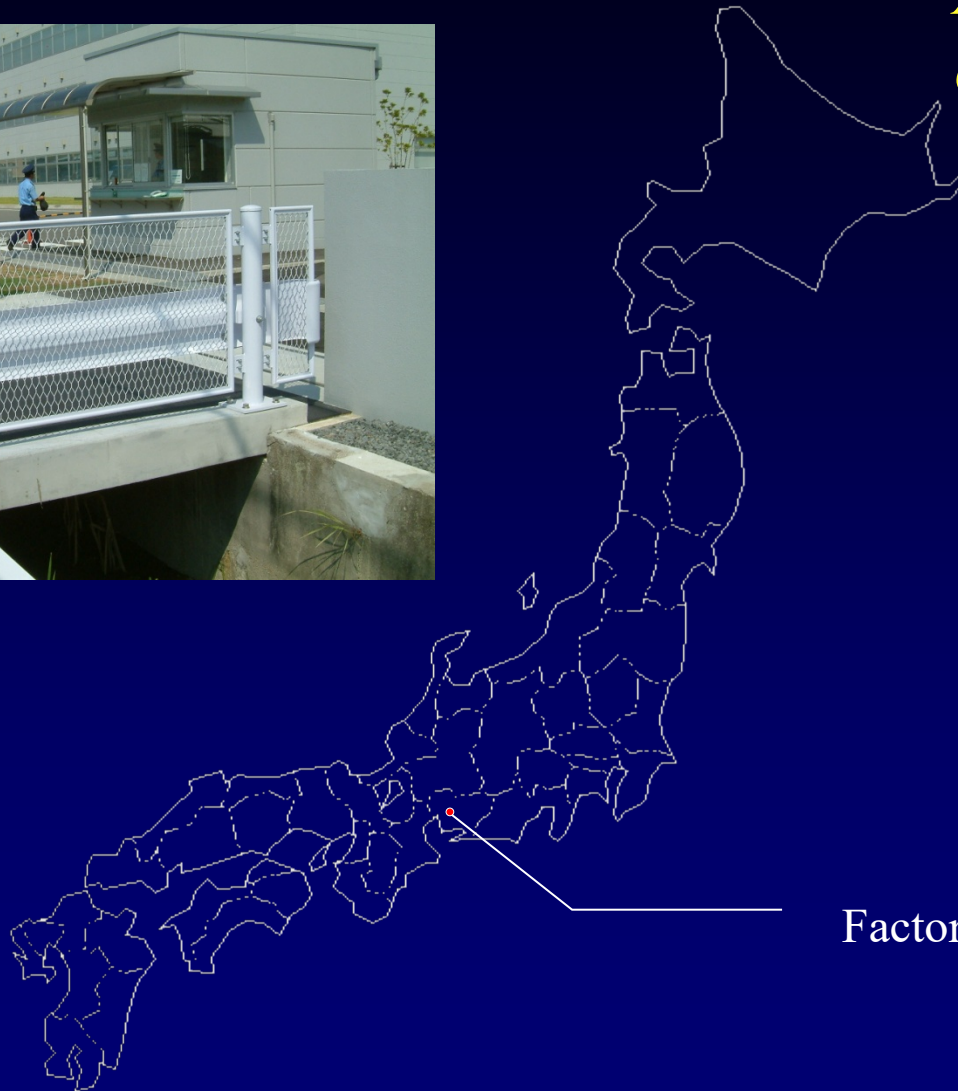
Night view of the Mikaneike bridge



JSPC bridge award

No.8: Factory Entrance Bridge

*Aichi Prefecture
Completion 2006.9*



Factory Entrance Bridge

Completion Photograph

—Factory Entrance Bridge—



No.9: Horikoshi C-lamp Bridge

(Higashi Kyushu Expressway)

Fukuoka Prefecture

Completion 2005.11



Horikoshi C-lamp bridge

Construction Photograph

—Horikoshi C-lamp Bridge—



Completion Photograph

—Horikoshi C-lamp Bridge—



*First application of
Ductal road bridge*

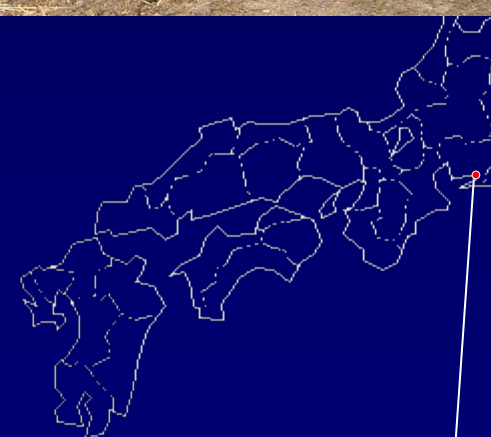


JCI bridge award
PIARC award

No.10: Tahara Bridge



*Aichi Prefecture
Completion 2005.4*



Thara Bridge

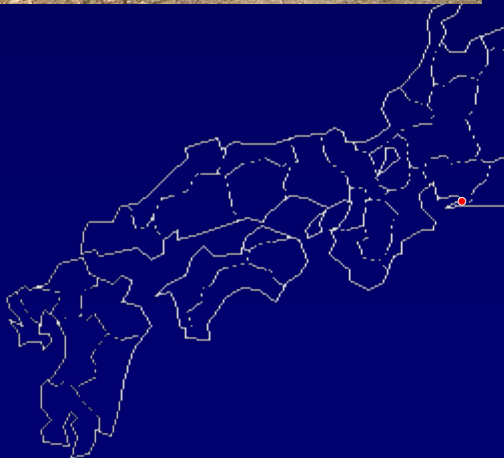
Construction Photograph

—Tahara Bridge—



Completion Photograph

—Tahara Bridge—



No.11: Hikita Footbridge



*Totsutori Prefecture
Completion 2007.5*

Hikita
Footbridge



Construction Photograph

—Hikita Footbridge—



Presented by
ABE NIKKO
KOGYO CO.,LTD

Ductal Application

Completion Photograph

—Hikita Footbridge—



Presented by
**ABE NIKKO
KOGYO CO.,LTD**

No.12: Tokyo Monorail / Showajima



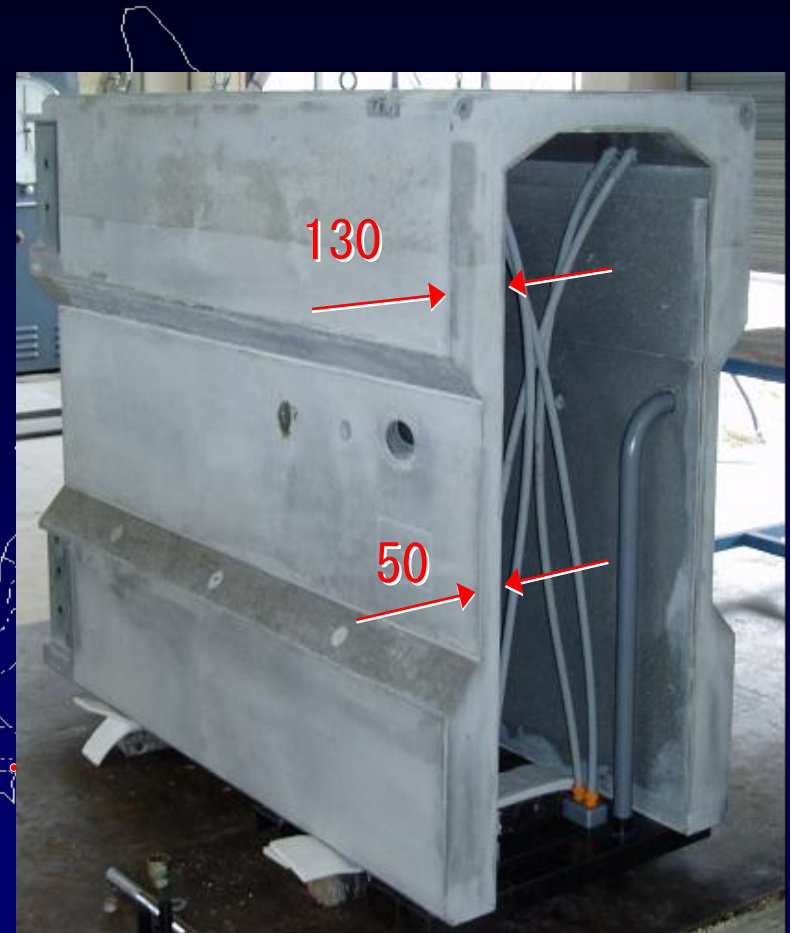
*Tokyo Prefecture
2007.3.18
Operation started*



Tokyo Monorail / Showajima

Construction Photograph 1

—Tokyo Monorail / Showajima—



Construction Photograph 2

—Tokyo Monorail / Showajima—



Completion Photograph

—Tokyo Monorail / Showajima—



Ductal Application

No.13: Renewal of Taisei Technology Center

Kanagawa Prefecture



Renewal of Taisei Technology Center

Ductal Application

Construction Photograph

— Renewal of Taisei
Technology Cent



Ductal Application

Completion Photograph

- Renewal of Taisei Technology Center



Ductal Application

Haneda Airport D-runway UFC-Slab



Tokyo Prefecture



Ductal Application

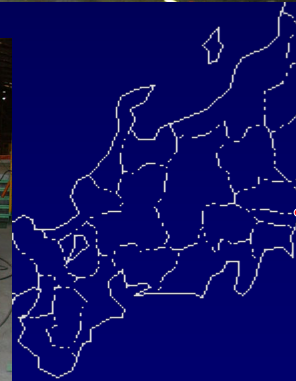
Performance Evaluation

Experiment Photograph

— Haneda Airport D-runway UFC-S



Lower side



Ductal Application

Factory Photograph 1 — Haneda Airport D-runway UFC-S



Ductal Batching Plant



Ductal slab production factory

Ductal Application

Factory Photograph 2 — Haneda Airport D-runway UFC-S

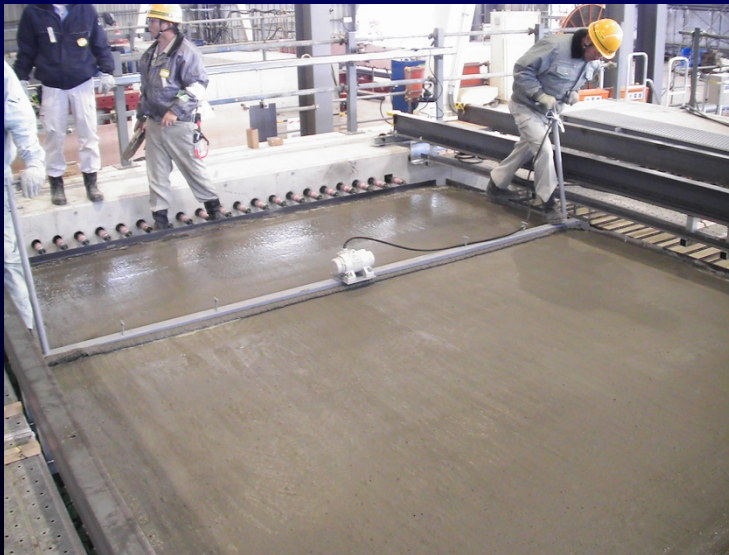


Ductal Application

Production Situation

— Haneda Airport D-runway UFC-S

Photograph



Ductal Application

Construction Photograph — Haneda Airport D-runway UFC



Ductal Application

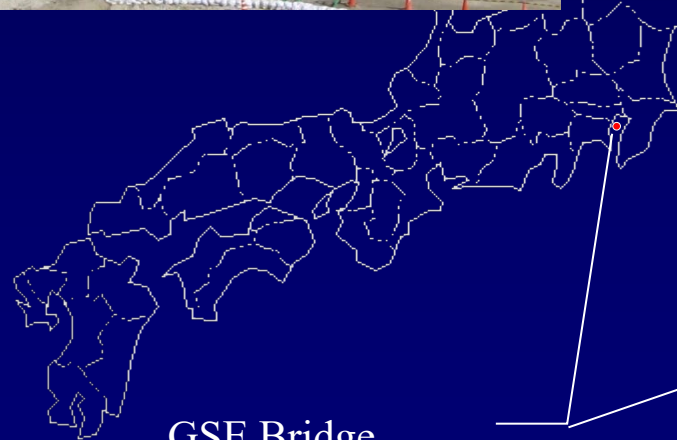
GSE Bridge (Tokyo International Airport)



Tokyo Prefecture

June to Oct : segment fabrication

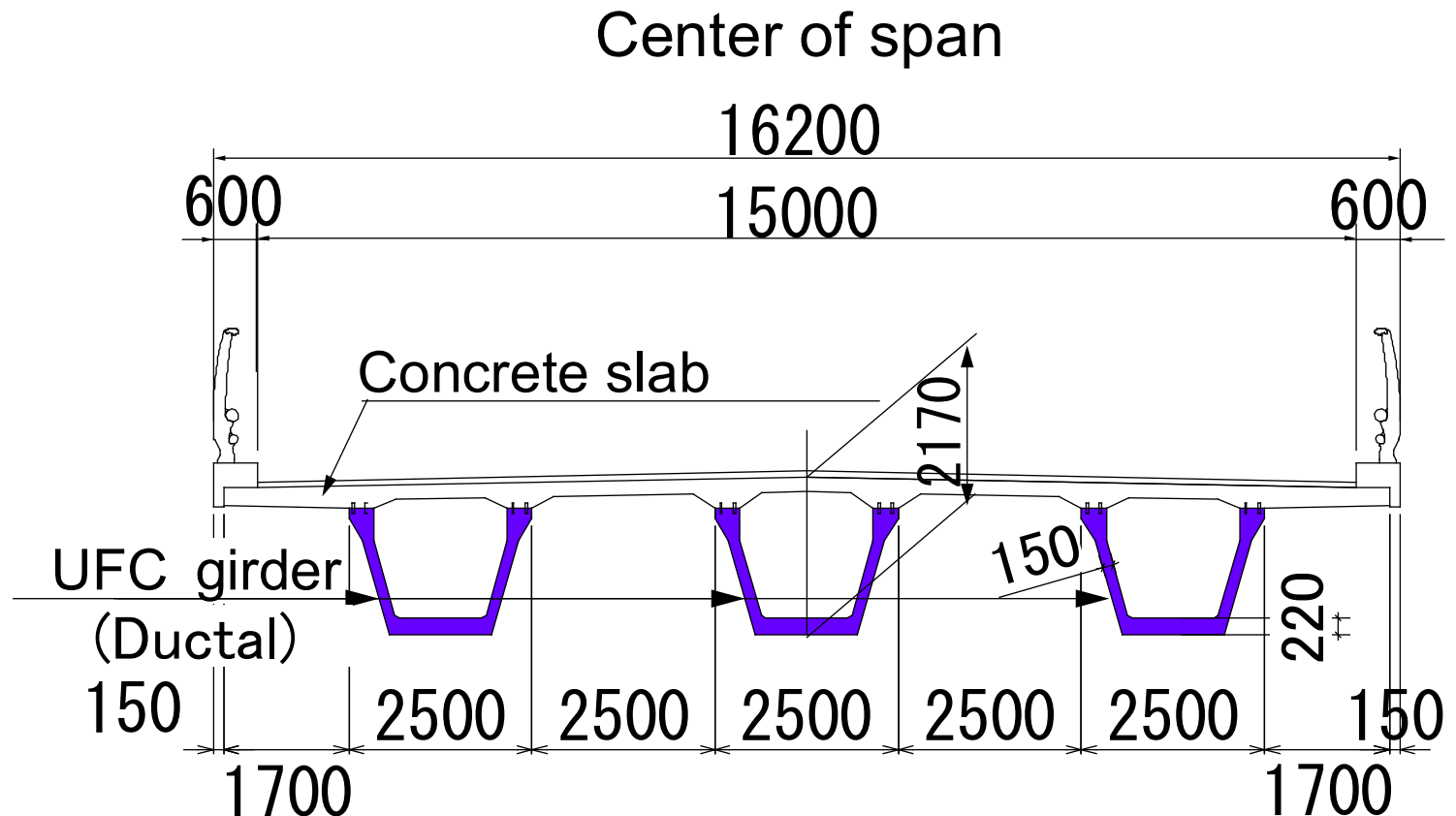
Nov : erection, April 2008 : comp



GSE Bridge



Bridge length : 49.5 m、 width : 16.2 m



Ductal Application

Precast Blocks

—GSE Bridge



Ductal Application **Erection**

—GSE Bridge



Ductal Application

Erection

—GSE Bridge



Ductal Application

Construction Photograph

—GSE Bridge



Ductal Application

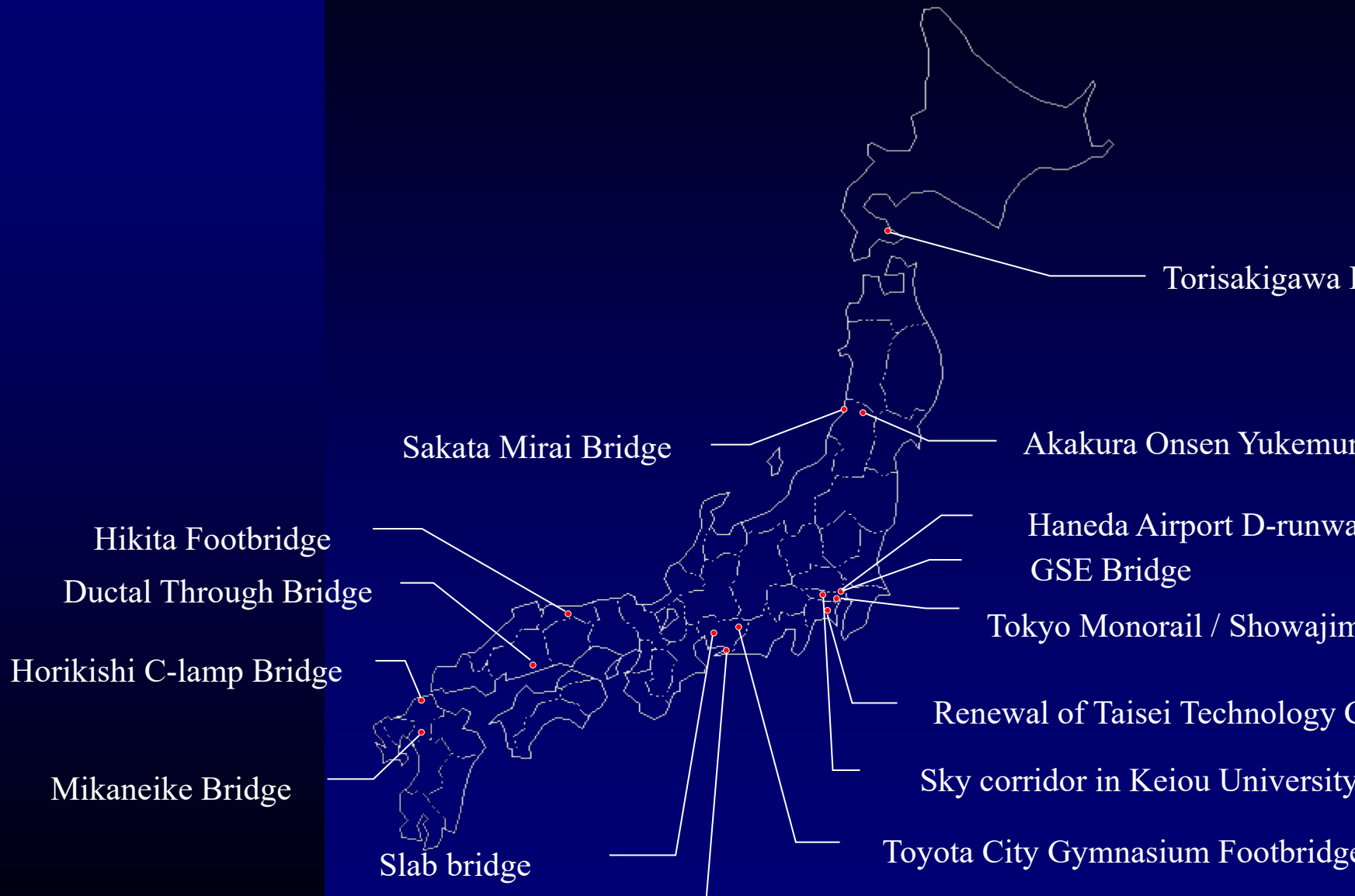
Construction Photograph

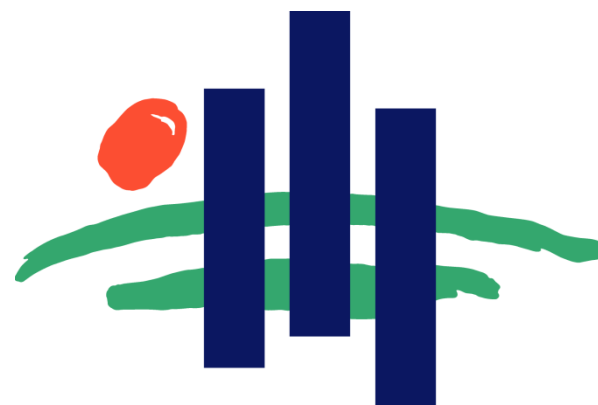
—GSE Bridge



Ductal Application

Ductal Application





TAISEI