

# BRIDGES





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Dasan Consultants is an innovative and dynamic company which provides creative and outstanding engineering services. Through our creative and effective approaches to solutions based on our advanced technology and passionate spirit of challenge, we maximize value for our customers.



# 40 COUNTRIES

Dasan Consultants has been successfully carried out various projects in the fields of transportation, water resources and environment, land development, and energy and plants in 40 countries around the world since 2008.



- CAMEROON
- ETHIOPIA
- KENYA
- LIBYA
- MALAWI
- MOZAMBIQUE
- NIGERIA
- TANZANIA
- UGANDA
- ZAMBIA
- BAHRAIN
- IRAN
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- JORDAN
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- TURKEY
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- CAMBODIA
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- INDIA
- INDONESIA
- KAZAKHSTAN
- KOREA
- LAOS
- MONGOLIA
- MYANMAR
- PAKISTAN
- PHILIPPINES
- SINGAPORE
- TAIWAN
- VIETNAM
- AUSTRALIA
- RUSSIA
- SPAIN
- BOLIVIA
- BRAZIL
- MEXICO
- USA



# BRIDGES



## About us

### Our portfolio

We have a world-class portfolio of bridges which showcases our creativity and passion for engineering. In addition, our projects span a wide spectrum according to purpose and form, from special long-span bridges to pedestrian bridges.

In particular, our portfolio was part of the foundation for Korea's remarkable economic development and sustainable growth, which the world has taken notice. Now, as a leading consultancy in a developed society, Dasan Consultants is providing successful solutions to its customers.

### Our capabilities

We have extensive know-how throughout the project life cycle, from planning, design, construction management, and maintenance. In particular, the advanced special long-span bridges in our portfolio demonstrate our ability to perform projects.





# Our approach

## Continuous innovation

Our continuous innovation has led to best practices being adopted throughout the industry. With our continuous innovation by structural experts, we have expanded to new areas of bridge design including the world’s first three pylon maritime suspension bridge "Cheonsa Bridge", the three pylon maritime cable stayed bridge "Geoga Bridge" and the two pylon cable-stayed bridge "Vam Cong Bridge" which is built in the soft ground downstream of the Mekong river in Vietnam.

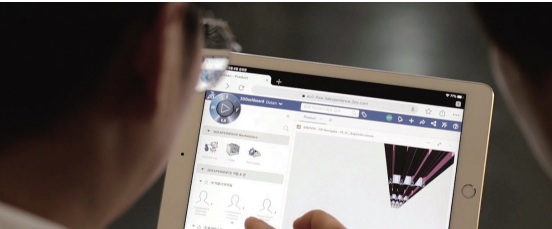
## Sound design

Our robust designs are influenced by a wide variety of factors. In particular,

topography features, cost, materials, construction methods, function, aesthetic elements, culture, etc. have a great influence on the final outcome. Hence, our process examines all of the elements and produces a sound output.

## Strengthening communication

Beyond improving customers value and users quality of life, we consider social benefits and sustainable development for all stakeholders the same time. To address these concerns, we actively communicate with customers and users as well as experts from all walks of life.



# Our services

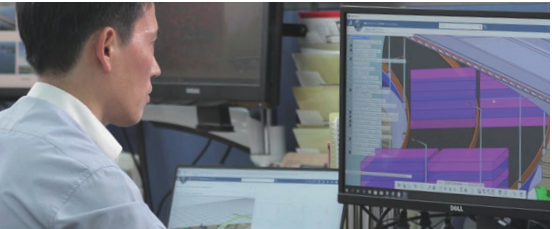
- Planning
- Feasibility studies
- Outline proposals
- Preliminary design
- Basic and Detailed Design
- Design for Design-Build Project
- Construction Supervision & Management Operation and maintenance
- Repair
- Strengthening
- Demolition or replacement

## Importance of bridge

Bridges play an important role in contributing to economic development by expanding the flow of logistics and connecting people to people and culture to culture to improve the quality of life. We truly understand the important roles bridges play and strive to create sustainable solutions.

## Scope of services

We provide world-class expertise to our clients with our bridge designers and engineers throughout the project lifecycle, from project feasibility reviews to design, construction management, and maintenance.



## Competitive service advantage

We have an advantage when it comes to special bridges such as suspension bridges, cable-stayed bridges, arch bridges, etc. based on a collection of technical skills. Also, we have been recognized by customers for our successful execution of high-level projects based on continuous technological research.





# MAJOR BRIDGES







01

01 Mokpo Bridge

**Location**  
Jeollanam-do, Korea

**Scope of Services**  
Basic Design, Detailed Design (Design-Build)

**Clients**  
Iksan Regional Construction Management Administration, GS E&C

**Period**  
Feb. 2003 – Sep. 2004

**Facilities**

- A bridge with a total length of 3,060m and a width of 20.9m to 24.5m (4 lanes)
- Main bridge: 2-pylon cable-stayed bridge with a main span length of 500m
- Approach bridges: PSC box bridges
- Access road with a total length of 1,068m and a width of 20m to 40m

02 Vam Cong Bridge

**Location**  
Dong Thap Province, Vietnam

**Scope of Services**  
Detailed Design, Construction Supervision

**Clients**  
Cuu Long CIPM

**Fund**  
Korea Eximbank (EDCF)

**Period**  
May 2012 – May 2019

**Facilities**

- A bridge with a total length of 2,970m and a width of 24.5 to 26.5m (4 lanes)
- Main bridge: 2-pylon cable-stayed bridge with a length of 830m, a main span length of 450m
- Approach bridge: Super T bridge with a length of 2,140m



02

03 Cheonsa Bridge

**Location**  
Jeollanam-do, Korea

**Scope of Services**  
Basic Design, Detailed Design (Design-Build)

**Clients**  
Iksan Regional Construction Management Administration, Daelim Industrial

**Period**  
Jun. 2009 – Aug. 2010

**Facilities**

- A bridge with a total length of 3,640m and a width of 12.5 to 16.5m (2 lanes)
- Main bridge: 3-pylon suspension bridge with a main span length of 650m
- Approach bridges: PSC box bridges
- Access road with a total length of 2.11km and a width of 12.5m



03





04

#### 04 Ulsan Bridge

**Location**  
Ulsan, Korea

**Scope of Services**  
Basic Design, Detailed Design, Construction Supervision (Public-Private Partnership)

**Clients**  
Hyundai E&C, Ulsan Harbor Bridge Corporation

**Period**  
Jan. 2008 – Jun. 2015

**Facilities**

- A bridge with a total length of 5,592m and a width of 25.6m (4 lanes)
- Main bridge: Single-span suspension bridge with a main span length of 1,150m
- Approach bridges: Steel box bridge, PSC beam bridge
- Access road with a total length of 2,756m and a width of 10.9m



05

#### 05 Incheon Bridge

**Location**  
Incheon International Airport to Incheon Songdo International City, Korea

**Scope of Services**  
Independent Check Engineering, Design Process Management (Public-Private Partnership)

**Clients**  
Samsung C&T

**Period**  
Jul. 2005 – Mar. 2007

**Facilities**

- A bridge with a total length of 11,658m and a width of 33.4m (6 lanes)
- Main bridge: 5-span cable-stayed bridge with a main span length of 800m
- Approach bridges: PSC box bridges
- Access road with a total length of 685m
- Construction cost: USD 2,171.58 million

#### 06 Geoga Bridge

**Location**  
Busan, Korea

**Scope of Services**  
Basic Design, Detailed Design (Public-Private Partnership, Fast Track)

**Clients**  
Daewoo E&C, COWI, Busan-Geoje Fixed Link Corporation

**Period**  
Jun. 2003 – Dec. 2010

**Facilities**

- A highway with a total length of 3.50km and a with of 22m to 24m (4 lanes)
- Bridge 1: 3-pylon cable-stayed bridge with a length of 676m and a main span length of 230m
- Bridge 2: 2-pylon cable-stayed bridge with a length of 919m and a main span length of 475m
- 2 steel plate girder bridges
- Immersed tunnel with a length of 3,665m and a width of 23.3m



06



# ROAD BRIDGES







01

### 01 Pyunghwa Bridge

#### Location

Gyeonggi-do, Korea

#### Scope of Services

Basic Design, Detailed Design (Design-Build)

#### Clients

Korea Expressway Corporation, Lotte E&C

#### Period

Jun. 2019 – Jun. 2020

#### Facilities

- An expressway with a length of 7.17km and a width of 23.4m (4 lanes)
- Main bridge: 3-pylon cable-stayed bridge with a main span length of 360m
- Approach bridges: EX girder type bridge with a length of 571m
- A record of the longest 3-pylon PSC box girder cable-stayed bridge in the world

### 02 Nakdong Bridge

#### Location

Busan, Korea

#### Scope of Services

Detailed Design (Design-Build)

#### Clients

Korea Expressway Corporation, Daewoo E&C

#### Period

Apr. 2011 – Jul. 2011

#### Facilities

- An expressway with a length of 2.56km and a width of 24.3m (4 lanes)
- Nakdong Bridge: Single-pylon cable-stayed bridge with a length of 1,440m and a main span length of 180m
- Unhacheon Bridge: Beam bridge with a length of 601m



02

### 03 Worldcup Bridge

#### Location

Seoul, Korea

#### Scope of Services

Design Supervision

#### Clients

Seoul City

#### Period

Dec. 2002 – Dec. 2006

#### Facilities

- Main bridge: Single-pylon cable-stayed bridge with a length of 855m, a main span length of 225m and a width of 30.7m (6 lane)
- Approach bridges: Bridges with a length of 476.5m and 758.0m



03





04

### 04 Baebang Bridge

**Location**  
Chungcheongnam-do, Korea

**Scope of Services**  
Detailed Design (Design-Build)

**Clients**  
Korea Expressway Corporation, Daewoo E&C

**Period**  
Nov. 2015 – Jun. 2016

**Facilities**

- A road with a length of 3.8km and a width of 23.4m (4 lanes)
- Main bridge: Single pylon and 4-span cable-stayed bridge with a length of 580m and a main span length of 190m



05

### 05 Baekseok Bridge

**Location**  
Incheon, Korea

**Scope of Services**  
Detailed Design (Design-Build)

**Clients**  
Incheon Metropolitan City, GS E&C

**Period**  
Nov. 2009 – Oct. 2010

**Facilities**

- A bridge with a length of 749m and a width of 35.1m (6 lanes)
- 4-span cable-stayed bridge with PSC box girder and a main span length of 205m
- Access road with a total length of 481m and a width of 31.2m

### 06 Daejoe Bridge

**Location**  
Busan, Korea

**Scope of Services**  
Basic Design, Detailed Design

**Clients**  
Busan Metropolitan City, Lotte E&C

**Period**  
Sep. 2017 – Sep. 2019

**Facilities**

- A road with a length of 8.24km and a width of 20.0m (4lanes)
- Daejeo Bridge: 4-pylon cable-stayed bridge with a length of 1,865m and a main span length of 170m
- Seonakdonggang Bridge: Beam bridge with a length of 1,050m and 12 Bridges
- 3 Interchanges



06





07

07 Pyeongyeo Bridge 2

**Location**  
Jeollanam-do, Korea

**Scope of Services**  
Detailed Design

**Clients**  
Yeosu City, SK E&C

**Period**  
May 2001 - Feb. 2008

**Facilities**

- A bridge with a length of 526m and a width of 20.0m (4 lanes)
- 2-pylon extradosed bridge with a main span length of 140m
- This bridge is the first extradosed bridge in Korea because this type of bridge has not been designed before.

08 Jigyeong Bridge

**Location**  
Jeollabuk-do, Korea

**Scope of Services**  
Detailed Design

**Clients**  
Halla E&C, KRC

**Period**  
Mar. 2010 - Dec. 2010

**Facilities**

- A nielsen arch type bridge with a length of 100m and a width of 13.8m



08

09 Jeokgeum Bridge

**Location**  
Jeollanam-do, Korea

**Scope of Services**  
Detailed Design

**Clients**  
Iksan Regional Construction Management Administration

**Period**  
Dec. 2010 - Dec. 2011

**Facilities**

- A road with a length of 3.64km and a width of 12.5m (2 lanes)
- Suspended pipe arch bridge with a length of 470.5m and a main span length of 130m



09





10

### 10 Cheonan Bridge

**Location**  
Chungcheongnam-do, Korea

**Scope of Services**  
Detailed Design (Design-Build)

**Clients**  
Daewoo E&C

**Period**  
Apr. 2005 – Aug. 2005

**Facilities**

- A highway with a length of 2.408km and a width of 33.0m (8 lanes)
- Arch bridge with a main span length of 120m
- 2 underpasses (1,000m)
- 1 tunnel (280m)
- 2 intersections



11

### 11 Ilsan Bridge

**Location**  
Gyeonggi-do, Korea

**Scope of Services**  
Basic Design, Detailed Design, Construction Supervision (Public-Private Partnership)

**Clients**  
Daelim Industrial, Ilsan Grand Bridge Corporation

**Period**  
Jun. 1999 – Jan. 2008

**Facilities**

- A bridge with a total length of 1,590m and a width of 28.5m (6 lanes)
- Main bridge: Arch-shaped steel box girder bridge with a main span length of 120m
- Access road with a total length of 250m and a width of 20.2m

### 12 Dongbaek Bridge

**Location**  
Jeollabuk-do, Korea

**Scope of Services**  
Basic Design, Detailed Design (Design-Build)

**Clients**  
Iksan Regional Construction Management Administration, Samsung C&T

**Period**  
Jan. 2007 – Jul. 2008

**Facilities**

- A bridge with a total length of 1,930m and a width of 20.9m to 25.1m
- Main bridge: Nielsen arch bridge with a main span length of 160m
- Approach bridges: PSC box bridge and steel box girder bridge
- Access road with a total length of 1,255m and a width of 20m to 48m



12





13

**13 Yangpyeong Bridge**

**Location**  
Gyeonggi-do, Korea

**Scope of Services**  
Detailed Design

**Clients**  
Korea Expressway Corporation, Samsung E&C

**Period**  
Aug. 2002 - Dec. 2002

**Facilities**

- A bridge with a total length of 915m
- PSC Box bridge with a main span length of 150m



14

**14 Rach Gia Bridge**

**Location**  
Kien Giang Province, Vietnam

**Scope of Services**  
Detailed Design, Construction Supervision

**Clients**  
Cuu Long CIPM

**Fund**  
Korea Eximbank (EDCF)

**Period**  
Jan. 2009 - Jan. 2015

**Facilities**

- A road with a length of 20.83km and a width of 12m (2 lanes)
- 22 bridges (7 long-span bridges and 15 other bridges) with a total length of 3,234m
- 2 Interchanges, 3 Intersections

**15 Cai Lon Bridge**

**Location**  
Kien Giang Province, Vietnam

**Scope of Services**  
Detailed Design, Construction Supervision

**Clients**  
Cuu Long CIPM

**Fund**  
Korea Eximbank (EDCF)

**Period**  
Jan. 2009 - May 2014

**Facilities**

- A road with a length of 22.8km and a width of 13m (2 lanes)
- FCM PSC Box girder bridge with a length of 718m and a main span length of 120m
- Approach bridges: Composed of Super T girder bridge



15

**16 Cai Be Bridge**

**Location**  
Kien Giang Province, Vietnam

**Scope of Services**  
Detailed Design, Construction Supervision

**Clients**  
Cuu Long CIPM

**Fund**  
Korea Eximbank (EDCF)

**Period**  
Jan. 2009 - May 2014

**Facilities**

- A road with a length of 22.8km and a width of 13m (2 lanes)
- FCM PSC Box girder bridge with a length of 519m and a main span length of 120m
- Approach bridges: Composed of Super T girder bridge



16



# RAILWAY BRIDGES



01

## 01 Vietnam Ho Chi Minh City Urban Railway Line No.1

### Location

Ho Chi Minh City, Vietnam

### Scope of Services

Detailed Design (Shop Drawings)

### Clients

GS E&C

### Period

May 2013 – May 2015

### Facilities

- An urban railway with a total length of 17.17km
- PSC BOX (FCM) Bridge (3 Bridges)
- Extradosed bridge with a main span length of 110m

## 02 City Railway Yangsan Line (Section 3)

### Location

Gyeongsangnam-do, Korea

### Scope of Services

Basic Design, Detailed Design (Design-Build)

### Clients

Busan Transportation Corporation

### Period

Nov. 2015 – Feb. 2016

### Facilities

- A city railway with a total length of 1.8km
- 2 stations (104, 105 stops)
- 1 transfer facility



02



# PEDESTRIAN BRIDGES



## 01 Palgongsan Bridge

### Location

Daegu, Korea

### Scope of Services

Detailed Design

### Clients

Daegu Metropolitan City

### Period

May 2017 - May 2020

### Facilities

- Pedestrian single-span suspension bridge with a length of 320m and a width of 2.0m
- Landscape design such as trails and peak observatory
- Wind tunnel test

## 02 Geumgang Pedestrian Bridge

### Location

Chungcheongnam-do, Korea

### Scope of Services

Basic Design, Detailed Design (Design-Build)

### Clients

Korea Land & Housing Corporation, Lotte E&C

### Period

Oct. 2017 - May 2018

### Facilities

- A bridge with a total length of 1,638m and a width of 12m to 30m
- Main bridge: Steel pipe truss bridge
- Approach bridge: Arch bridge and truss bridge



## 03 Yein Bridge

### Location

Gyeongsangbuk-do, Korea

### Scope of Services

Bid Design

### Clients

Andong City

### Period

Sep. 2019 - Dec. 2019

### Facilities

- Pedestrian single-span suspension bridge with a length of 750m and a width of 2.0m
- Longest pedestrian cable-stayed bridge in the world with a main span length of 570m
- Landscape design such as observatory, elevator in tower, night lighting





# BRIDGE CONSTRUCTION SUPERVISION



01

## 01 Thu Thiem Bridge 2

**Location**  
Ho Chi Minh City, Vietnam

**Scope of Services**  
Construction Supervision

**Clients**  
Dai Quang Minh

**Fund**  
Private Investment under BT Contract

**Period**  
Apr. 2017 – Nov. 2020

**Facilities**

- A bridge with a total length of 1,222m and a pylon height of 113m
- Main bridge: Single Inclined pylon cable-stayed bridge with a length of 405m, a main span length of 200m and a width 27.8m (6 lanes)
- Approach bridge : PSC Box girder bridge with a length of 437m and a width of 17.5m (4 lanes)

## 02 Hwamyeong Bridge

**Location**  
Busan, Korea

**Scope of Services**  
Construction Supervision

**Clients**  
Busan Metropolitan City

**Period**  
Mar. 2007 – Oct. 2012

**Facilities**

- A bridge with a total length of 1,414m and a width of 17.9m to 27.8m (4 lanes)
- Main bridge: 2-pylon concrete cable-stayed bridge with a length of 500m
- approach bridges: 5 steel box girder bridges with a total length of 834m



02

## 03 Myodo Bridge

**Location**  
Jeollanam-do, Korea

**Scope of Services**  
Construction Supervision

**Clients**  
Jeollanam-do Province

**Period**  
Aug. 2007 - Dec. 2013

**Facilities**

- A bridge with a length of 760m and a width of 20.4m (4 lanes)
- 2-pylon concrete cable-stayed bridge and a main span length of 430m
- Approach bridges: Bridges with a length of 650m



03





04

04 Imja Bridge 1

**Location**  
Jeollanam-do, Korea

**Scope of Services**  
Construction Supervision

**Clients**  
Iksan Regional Construction Management Administration

**Period**  
Feb. 2014 - Jan. 2021

**Facilities**

- A road with a length of 4.99km and a width of 11.9m (2 lanes)
- 2-pylon concrete cable-stayed bridge with a length of 750m and a main span length of 410m

06 Imja Bridge 2

**Location**  
Jeollanam-do, Korea

**Scope of Services**  
Construction Supervision

**Clients**  
Iksan Regional Construction Management Administration

**Period**  
Feb. 2014 - Jan. 2021

**Facilities**

- A road with a length of 4.99km and a width of 11.9m (2 lanes)
- 2-pylon concrete cable-stayed bridge with a length of 1.135km and a main span length of 310m

05 Hwapo Bridge

**Location**  
Geongsangnam-do, Korea

**Scope of Services**  
Construction Supervision

**Clients**  
Geongsangnam-do Province

**Period**  
2006 - 2014

**Facilities**

- A road with a length of 14.3km and a width of 20m (4 lanes)
- 2-pylon concrete cable-stayed bridge with a length of 520m and a main span length of 260m



05



06





07

07 Haknarae Bridge

**Location**  
Chungcheongnam-do, Korea

**Scope of Services**  
Construction Supervision

**Clients**  
The Korea Land & Housing Corporation

**Period**  
Jun. 2008 – Oct. 2012

**Facilities**

- A road with a length of 1.805km and a width of 30m (6 lanes)
- Extradosed bridge with a length of 740m and a main span length of 180m
- 3 tunnels with a total length of 2.010km
- Underpass roadways

08 Yangsancheon Bridge

**Location**  
Geongsangnam-do, Korea

**Scope of Services**  
Construction Supervision

**Clients**  
Yangsan City

**Period**  
Feb. 2009 - Jun. 2010

**Facilities**

- A bridge with a length of 257m and a width of 3.4m
- Pedestrian hybrid bridge and a main span length of 80m



08

09 Jungnimoncheon Bridge

**Location**  
Jeollabuk-do, Korea

**Scope of Services**  
Construction Supervision

**Clients**  
Korea Expressway Corporation

**Period**  
Dec. 2004 - Dec. 2010

**Facilities**

- An expressway with a length of 4.012km and a width of 23.4m (4 lanes)
- Concrete arch bridge with a length of 215m and a main span length of 125m



09



# TECHNICAL SOLUTIONS



### 01 Jobal Bridge

**Location**  
Jeollanam-do, Korea

**Scope of Services**  
Tender Design

**Clients**  
DAEWOO E&C

**Period**  
Oct. 2010 - Apr. 2011

**Facilities**

- A road with a length of 3.88km and a width of 14.25m (2 lanes)
- Main bridge: Cable-stayed bridge with a length of 1,055m, a main span length of 220m and a width of 15.0m (2 lanes)



### 02 Mihocheon Bridge

**Location**  
Chungcheongbuk-do, Korea

**Scope of Services**  
Tender Design

**Clients**  
Hanwha E&C

**Period**  
Aug. 2011 - May. 2012

**Facilities**

- A road with a length of 2.46km
- Main bridge: Cable-stayed bridge with a length of 630m, a main span length of 110m and a width of 18.4 to 19.4m (4 lane)



### 03 Namhae Bridge 2

**Location**  
Gyeongsangnam-do, Korea

**Scope of Services**  
Tender Design

**Clients**  
Hyundai E&C

**Period**  
Jun. 2009 - Jan. 2010

**Facilities**

- A road with a length of 3.1km
- Main bridge: Suspension bridge with a length of 960m and a main span length of 630m



### 04 Seonakdong Bridge

**Location**  
Busan, Korea

**Scope of Services**  
Tender Design

**Clients**  
Korea Expressway Corporation, SK E&C

**Period**  
Sep. 2008 - Apr. 2009

**Facilities**

- A road with a length of 4km and a width of 37.8m (8 lanes)
- Main bridge: Extradosed bridge of 3-pylon with a length of 507m, a main span length of 169m and a width of 18m (4 lanes)



### 05 Hoeamcheon Bridge

**Location**  
Gyeonggi-do, Korea

**Scope of Services**  
Tender Design

**Clients**  
Korea Expressway Corporation, Ssang Young E&C

**Period**  
Aug. 2016 - Aug. 2017

**Facilities**

- A road with a length of 4.62km
- Main bridge: Extradosed bridge of 4-pylon with a length of 818m, a main span length of 200m and a width of 24.5m (4 lanes)



### 06 Yeonggwang Bridge

**Location**  
Jeollanam-do, Korea

**Scope of Services**  
Tender Design

**Clients**  
Daelim E&C

**Period**  
Feb. 2012 - Aug. 2012

**Facilities**

- A road with a length of 3.62km and a width of 11.5m (2 lanes)
- Total bridge length of 1,840m and a width of 17.0 to 12.5m (2 lanes)
- Main bridge: Cable-stayed bridge with a main span length of 800m





07 Youngam-Hanam Bridge

**Location**  
Jeollanam-do, Korea

**Scope of Services**  
Tender Design

**Clients**  
Posco E&C

**Period**  
Mar. 2015 - Jul. 2015

**Facilities**

- A road with a length of 6.817km and a width of 25.14m (4 lanes)
- Main bridge: Cable-stayed bridge with a length of 550m, main span length of 182.5m and a width of 28.5m (4 lanes)
- Approach bridges: ILM PSC box girder bridges with a length of 792m and 864m for each side



08 Yeongilman Bridge

**Location**  
Gyeongsangbuk-do, Korea

**Scope of Services**  
Tender Design

**Clients**  
Ministry of Land, Infrastructure and Transport

**Period**  
Dec. 2009 - Nov. 2011

**Facilities**

- Main bridge: Cable-stayed bridge with a length of 940m, a main span length of 500m and a width of 24.3m (4 lanes)
- Approach bridges: PSM PSC box girder bridges with a length of 1,020m and 1,630m for each side



9 Wang Pi-chun Bridge

**Location**  
Gyeongsangbuk-do, Korea

**Scope of Services**  
Tender Design

**Clients**  
Uljin District

**Period**  
Nov. 2015 - Jul. 2016

**Facilities**

- Main bridge: Cable-stayed bridge with a length of 210m, a main span length of 140m and a width of 22.3m (4 lanes)
- Approach bridges: PSC I girder bridges with a length of 220m and a width of 18.3m (4 lanes)



10 Panguil Bay Bridge

**Location**  
Mindanao, Philippines

**Scope of Services**  
Tender Design

**Clients**  
Kolonglobal

**Period**  
Jun. 2018 - Oct. 2018

**Facilities**

- A road with a length of 3.1km
- Main bridge: Extradosed bridge with a length of 320m, a main span length of 150m and a width of 12.7m (2 lanes)
- Approach bridges: ILM PSC box girder bridges with a length of 1,260m and 780m for each side



11 Madre de Dios Bridge

**Location**  
Pando province in northern Bolivia

**Scope of Services**  
Tender Design

**Clients**  
Korea Exim Bank (EDCF)

**Period**  
Dec. 2010 - Apr. 2011

**Facilities**

- Main bridge: Cable-stayed bridge with a length of 574m, a main span length of 370m and a width of 14.4 m ( 2 lanes)
- Access road is planned to be constructed by the Government



12 Laoang Bridge 2

**Location**  
Northern Samar, Philippines

**Scope of Services**  
Tender Design

**Clients**  
Korea Exim Bank (EDCF)

**Period**  
Apr. 2020 - Jun. 2020

**Facilities**

- A road with a length of 13.49km
- Main bridge: Extradosed bridge with a length of 360m, a main span length of 140m and a width of 12.7m (2 lanes)
- Landscape design such as monument, photo zone, night lighting



Contact Us

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