도시를 움직이는 동력

GREEN CONVEYOR PARK 2009

도시와 문화, 그리고 시간을 잇는 새로운 틈..... 그 속에서 진화하고 성장하는 서울길 이야기
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USING GREEN INFRASTRUCTURE TO IMPROVE SEOUL CITY
In Case of Gyeonguiseon Linear Forest Park
01 Outline

**Background & Objectives**

- Creating linear park using above-ground section as a part of Gyeonguiseon renovation project
- Park plan considering the connection of Yongsan Park, Han River Park, and World Cup Park
- Ensuring the connection of park green resources through the long-term development plan

**Scope**

- **Location:** Gyeonguiseon Above Ground (Yongsan Community Center ~ Gaja Station)
- **Length:** 6.19 km / **Area:** 140,170 m²
- **Master Plan:** Sung-Kyun Kim
- **Design:** 2008~2015
- **Construction:** 2010-2016
- **Contents:**
  - Development Survey
  - Case Study
  - Expansion of Public Open Space
  - Direction of Design (Concept)
  - Plan for the Park
Direction

- **Greenway** connecting surrounding parks and green spaces
- **Multi-purpose linear park** for nearby communities
- **Park encouraging community participation** showing history and culture
- **Creating sustainable parks** for current and future generation
There was no road in the beginning,
The first one to go,
The walking people increases,. . . . . That became the road.

“The road is a place that expresses the joys and sorrows of our lives
the bridge of the past, present, and future, here and there, and me and others,
The road is starting point, medium, terminal”

- Meaningful road reflecting characteristics of a linear space
- Living spaces for playground, festivals, and communication

Connecting . . . Connecting spaces
Space on the earth for human, animals or cars to pass
[ Trails, alleys, dirt roads, etc ]

Holding . . . Holding values
Process of individual development and social and historical development over time
[ The way of royalty, the way of modernization, etc ]

Gathering . . . Communication & network
Center of the gathering for people

Yongsan Park – Han River Waterfront – Building ‘Seoul Road’ which represents the city through greenways linking Nanji Park.
03 Concept & Development

**Conveyor - Connecting environmental, social, economical elements**

- Creating living city (City revitalization through *the connection of culture, history/green spaces*)
- Difference with *High Line Park, New York* and *Promenade Plantee, Paris*.

### 컨베이어 파크 시스템 (Green Conveyer System)

- 컨베이어 파크 벨트
- 벨트의 조합
- 용합 거점
- 시스템

- 선적 네트워크가 아닌 흐름을 형성하는 체계
- 테마, 프로그램, 기능별 다양한 벨트의 조합
- 벨트가 만나는 교점 열린 공간구성을 통해 공간의 진화 유도
- 도시의 혈관을 이루고, 도시생활을 만드는 공원, 녹지 체계

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COMMUNITY 벨 특화공간 만들기

주변 커뮤니티로의 확장 및 연계

SEOUL GREEN INFRA
Green Conveyor – Environmental Sustainability

- “Green Conveyor” in the design concept connects local green space and parks.
- Transforming as an ecological space incorporating artificial streams that use underground water from nearby subway.
• Connecting local histories
• Providing community gathering space
• Transforming from the edge to the center of community
• Increasing property values -> more social tax, better maintenance
ZONES

ZONE I (Yong Community Center ~ Daeheungro Rd. 2.74km)
Existing central business district (CBD)
Modern historical elements interspersed
→ Road of History (Cultural / Natural)

ZONE II (Daeheungro Rd. ~ Yanghwaro Rd. 1.87km)
University culture zone: Seogang Univ., Hongik Univ. and Yonsei Univ.
→ Road of Culture / Art

ZONE III (Yanghwaro Rd. ~ Hongjecheon Stream 1.33km)
Neighborhood park, Hongjecheon Stream, and Residential zone
→ Road of Community / Relaxation

ZONE IV (Hongjecheon Stream ~ Gaja Station 0.25km)
Eco-triangle
→ Road of Nature / Ecology
Design of 4 Zones

GREEN CONVEYOR PARK

- Road of History (Cultural/ Natural)
  [Yongsan Community Center~Daeheungro Rd.]
- Road of Culture / Art
  [Daeheungro Rd.~Yanghwaro Rd.]
- Road of Community / Relaxation
  [Yanghwaro Rd. ~Hongjaecheon Stream]
- Road of Nature / Ecology
  [Hongjecheon Stream~Gaja Station]
Road of History Bird’s-eye View (Yongsan Community Center~Daeheungro Rd.)
Modern History of the Area

- Symbolic space of railroad park, trails, etc.
- Park facility of local history – Dohwa-won
- Transition zone as forest trail to new world
05 Road of History (Cultural) (Yongsan Community Center~Gongdeok Brownstone)
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Road of History
(Cultural)
(Gongdeok Brownstone ~ Daeheungro Rd.)
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Road of History (Cultural) (Gongdeok Brownstone~Daeheungro Rd.)
Road of History (Natural) (Gongdeok Brownstone~Daeheungro Rd.)

- Memory of old forest and pass
  - Saechang-gogae)
  - Plaza & bicycle parking facility plan
  - Cafeteria for nearby workers
  - Urban rest area
05 Road of History (Natural)
(Gongdeok Brownstone~Daehauingbo Rd.)
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5 Road of History (Natural) (Gongdeok Brownstone~Daeheungro Rd.)
05 Road of Culture/Art Bird’s-eye View (Daeheungro Rd.~Yanghwaro Rd.)
Open space around Sogang Univ.

Yongsan Historical Museum plan

Cafeteria of railway platform design

Railroad trail to the museum

Yongsan Line Museum, Deck Rest area, Display Wall, Railway Trail, Lawn Plaza, etc.
Cultural space around Hongik Univ.

Cultural plaza connected with pedestrian friendly st.

Art & book street with 1pyeong gallery

Communication and meeting space for various cultural groups

Rainbow Plaza, 1pyeong Gallery, Forest Library, Display Wall, Mound, etc.
Road of Culture / Art 2 (Sinchonro Rd.~Yanghwaro Rd.)
Road of Culture / Art 2  (Sinchonro Rd.~Yanghwaro Rd.)
Road of Culture / Art 2 (Sinchonro Rd.~Yanghwaro Rd.)
Road of Relaxation / Community Bird’s-eye View

(Yanghwaro Rd.~Hongjaecheon Stream)
05 Road of Relaxation (Yanghwa Rd.~Aramgil St.)

Commercial Community

Plaza plan using traffic calming technics for pedestrian safety

Multi-use green space, 1 pyeong garden, Railroad rest area, etc.
05 Road of Relaxation (Yanghwa Rd.~Aramgil St.)
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05 Road of Relaxation (Yanghwaro Rd.~Aramgil St.)
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Road of Relaxation  (Yanghwaro Rd.–Aramgil St.)
05 Road of Relaxation (Yanqhwaro Rd.~Aramgil St.)
**Road of Community (Aramgil St.~Hongjecheon Stream)**

- **Greenway for Community Participation**
  - 1 Pyeong garden plan for easy access
  - Linear space plan for health theme
  - Planting buffer for Gyeonguiseon line
  - Use of existing Ginkgo trees
05 Road of Community (Aramgil St.-Hongjecheon Stream)
05 Road of Community (Aramgil St.~Hongjecheon Stream)
05 Road of Community  (Aramgil St.~Hongjecheon Stream)
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Central space of Hongjae Chun & Gaja Station

Bicycle parking facility of Hongjecheon Stream

The creation of forest trail through woods and original Gyeongui line

Future plan is needed to connect to Bulgwangcheon Stream
Road of Nature Bird’s-eye View (Hongjecheon Stream~ Gaja Station)
• Hongjecheon Stream
Gyeongui Linear Park Plan
GREEN CONVEYOR PARK

Creating Urban Infrastructure
- Ecological Infrastructure
- Social Infrastructure
- Historical and Cultural Infrastructure
“Green Conveyor” in the design concept connects local green space and parks.

- Storm water management, less heat stress, more biodiversity, food production, better air quality, clean water
- Visual enhancement, increased quality of life,

- Transforming as an ecological space incorporating artificial streams that use underground water from nearby subway.

- Existing plants are preserved, and major native species founded from nearby mountains to rivers in Seoul are selected.

- This project will increase carbon sequestration, improve air quality, create wind corridor, improve human health, restore wildlife habitat, and also increase bio-diversity
“Social Conveyor” in the design concept connects social activities and forms social infrastructure.

Bicycle and jogging tracks are the bone structure of the Gyeonguiseon Linear Park.

Social and community activities occur along this linear structure.

Each of the sectors has its own “Council of Gyeonguiseon Forest Park Keepers,” composed of local residents, merchants, artists and professionals. The councils play an important role in making decisions regarding the modification and rational changes of parks.

The park has increased land values and thus economic development is supported.

Thus, the linear park is sustainable economically.
“Historical and Cultural Conveyor” in the design concept interconnects local history and culture, and supports formation of historical and cultural infrastructure.

Zone I is designed to provide a base for visiting modern history sites.

Zone II is a new center for art and “Indie-culture” which connects to universities and cultural areas existing nearby.

The Linear Park will foster a vast amount of community activities, including reading, crafts, arts, workshops, programs for children, outdoor library, and book exhibitions, etc.

The park plays an important role in historical and cultural infrastructure in the district.
Thank You!