1. LAKESHORE DRIVE - 25m WIDE
2. EXTEND BUS ROUTE - 12m WIDE
3. ADD DIAGONAL VIEW ROAD
4. ADD LINEAR PARK + LAKEFRONT GREEN PARK
5. SECONDARY ROAD - 7m WIDE

THE HEALTHY CHICAGO PUBLIC HEALTH AGENDA
- Social background: government’s support focus on these 12 priority areas
- Additional focus: education and public awareness, programs and services

BACKGROUND RESEARCH
- The Healthy City Public Health Agenda
- Social background: government’s support focus on these 12 priority areas

GRID DESIGN
- 1. Lakeshore Drive - 25m Wide
- 2. Extend Bus Route - 12m Wide
- 3. Add Diagonal View Road
- 4. Add Linear Park + Lakefront Green Park
- 5. Secondary Road - 7m Wide

GREEN ZONES STRATEGY
- Zone 1: Linear Park
- Zone 2: Gardens
- Zone 3: Courtyards

THE EXISTING VELODROME (WILL BE RECONSTRUCTED IN 2014)

THE EXISTING METRA STATION

THE LAKE SHORE DRIVE

THE EXISTING ORE WALLS

THE EXISTING LAKESIDE PARK

THE EXISTING METRO STATION

THE EXISTING VELODROME

THE EXISTING ORE WALLS

SITE CONDITION ANALYSIS
- Site Condition Analysis
- Site Conditions

TOTAL PROGRAM COMPARISON TO SOM PROGRAM BAR OF HEALTH SCIENCE CAMPUS

STANDARD HOUSE
- One mile to Saint Marys Hospital
- Ramp 34
- Parking Ramp
- Parking Ramp
- Undergroun

Downtown Campus - Aerial Drawing
- MC1663-45WIP
- MC1663-44WIP

Downtown Campus - Aerial Drawing
- Alfred
- Francis
- Generose
- J Mary Brigger
- I Mayo Eugenio Litta
- E Damon Parking
- F Eisenberg
- O Siebens
- P Stabile

STRUCTURE: HEALTHY LIFESTYLE COMMUNITIES

STRUCTURE OF HEALTH CITY
- Functional link between the clusters
- Health City Laboratory
- Education Foundation
- Employees
- Public Services
- Affordable Housing
- Job Opportunities
- Medical Support

STRUCTURE OF HEALTH SCIENCE CAMPUS

TRANSPORT STRATEGY
- Health City
- Patient Information
- Hospital Campus Buildings
- Hospital Campus View
- Rochester, Minnesota
- Separate guide and map for Saint Marys Hospital is available in the Patient Information brochure rack or online.

PROGRAM
- Patient Information
- Hospital Campus Buildings
- One mile to Saint Marys Hospital
- Ramp 34
- Parking Ramp
- Parking Ramp
- Underground

TRANSPORT STRATEGY
- Health City
- Patient Information
- Hospital Campus Buildings
- One mile to Saint Marys Hospital
- Ramp 34
- Parking Ramp
- Parking Ramp
- Underground
At the industrial time, a volume was surrounded by the solid ore walls and the sliding crane.

The original space prototype of the ore stacks could be abstracted as a landscape form. The oscillating surface of the landscape creates interaction between the extroverted space and introverted space.

Interactive activities inside the oscillating landscape volume bring additional value to both kinds of space.

Because of the limitation of the ore walls, there is a shortage of natural light and view.

The volume is divided into three parallel parts which are staggered with each other. Better views and more sunlight are allowed inside the building.

Volume adjustment according to the existing north-south route in the master plan.

The original scenery inside the volume consists of a series of ore stacks which makes the relationship between the two types of space more sensitive.

Interactive activities inside the oscillating landscape volume bring additional value to both kinds of space.

Create a landscape volume to integrate historical atmosphere & natural environment.

Because of the limitation of the ore walls, there is a shortage of natural light and view.

The volume is divided into three parallel parts which are staggered with each other. Better views and more sunlight are allowed inside the building.

Volume adjustment according to the existing north-south route in the master plan.

Make the central volume more approachable to respond to the west-east route in the master plan.

Consideration for the different roof space qualities.
Chicago Lakeside Public Health Education Centre

INTERACTION WITH HISTORICAL ATMOSPHERE

INTERACTIVE ROUTE ORGANIZATION

INTERACTION A:
Vertical circulation: elevator & stairs

INTERACTION B:
Gentle pitched green roofs & Outdoor cafe
Interaction between exterior & interior routes

INTERACTION C:
Outdoor grandstand & stage
Interaction between exterior & interior routes

INTERACTION D:
Steep pitched green roofs & landscape pool
Sight connection between top and bottom

Intersection point between:
Public route: north to south - district level
Semi-public route: west to east - campus level
Chicago Lakeside Public Health Education Centre

INTERACTION WITH NATURAL ENVIRONMENT

26.6℃
evaporative cooling
water runoff
accelerate surface air ventilation
accelerate surface water heat exchanger system
floor cooling system
heat insulation ore wall
mitigate overheating

51.6℃
heat buffer
heat collector
floor heating system
surface water heat exchanger system
prevent heat loss

CLIMATE SYSTEM DESIGN IN SUMMER

CLIMATE SYSTEM DESIGN IN WINTER