PRESENTATION STRUCTURE

1. PROBLEM STATEMENT AND PROJECT LOCATION
2. CURRENT STATE OF AFFAIRS
3. PROJECT IDENTIFICATION
4. URBAN DESIGN
5. ARCHITECTURAL TRANSLATION
PROBLEM STATEMENT AND PROJECT LOCATION
ANALYSING THE ROLE OF ARCHITECTURE IN TRANSITION FROM “MASTERPLANS” TO STRATEGIC URBAN INTERVENTION
PROJECT LOCATION

Illinois
Cook County
City of Chicago
South-Chicago
BOUNDARY CONDITIONS
CURRENT STATE OF AFFAIRS
SITE CONDITIONS
SOM MASTERPLAN: VISION

NEW SUSTAINABLE MIXED-USE DISTRICT WITH VARYING FUNCTIONS, DENSITIES AND PUBLIC SPACES.
REGIONAL DEMOGRAPHICS

POPULATION CHANGE: RADIUS FROM CORE
CHICAGO METROPOLITAN AREA: 2000-2010

Population Change
675,000
650,000
625,000
600,000
575,000
550,000
525,000
500,000
475,000
450,000
425,000
400,000
375,000
350,000
325,000
300,000
275,000
250,000
225,000
200,000
175,000
150,000
125,000
100,000
75,000
50,000
25,000
0
-25,000
-50,000
-75,000
-100,000
-125,000
-150,000
-175,000
-200,000
-225,000
-250,000

Miles from Core (Radius)
0-2 miles
2-5 miles
5-10 miles
10-15 miles
15-20 miles
>20 miles

Elgin
Hoffman Estates
Schaumburg
Arlington Heights
Mount Prospect
Des Plaines
Evanston
Highland Park

Wheaton
Oak Park
Naperville
Bolingbrook

Aurora
Orland Park
Calumet City
Gary

Bolingbrook
Tinley Park
Hammond
Extract from article “Fox News on Chicago’s Gang Violence” about gangs and drugs in South Chicago

“It’s mostly drug gangs and they are fighting over smaller and smaller scraps because the economy is bad. And white people aren’t buying as many drugs now. So the profits are down. So they’re trying to fight over turf, property and respect.”
CITY DIVIDED: THE DARK SIDE OF CHICAGO
SOUTH-CHICAGO CONCEPT OF SHARED SPACE

**Porch**

Semi-private shared space; restricted interaction.

**Commercial Avenue**

Streetcape for cars (no place to meet).

**Church**

Fenced and restricted participation.

**Parks**

Too big for social control.
IDENTIFY AND DESIGN URBAN NODES FOR COMMUNITY TO MEET + EXPRESS + LEARN FROM STRANGERS
SOM MASTERPLAN: PHASE 1

AS PER VISION

BY CURRENT INVESTMENT POTENTIAL
SOM MASTERPLAN: TAKING A STEP BACK

BUILT – UN-BUILT FRAMEWORK
IDENTIFYING ARCHITECTURAL PUNCTUATIONS
RESPONSE TO SITE PRIORITIES

PREDICTING THE UNPREDICTABLE
ENCLAVED FUNCTIONAL RESOLUTION
MISSING PUBLIC BUILDINGS
FROM REALITY TO THE DREAM
IMPORTANCE OF ESTABLISHING AN ANCHOR PROJECT

US STEEL WORKING
SOUTH CHICAGO AN INDUSTRIAL ENCLAVE

US STEEL CLOSED
STILL ENCLAVED BY RESTRICTED OPPORTUNITIES

SOUTH-WORKS MASTERPLAN
NEGLECTING THE NEIGHBORHOOD PROJECT

THE REAL SOUTH-WORKS PROJECT
• BOTTOM UP INFLUX FROM NEIGHBORHOOD
• TOP DOWN INFLUX FROM CITY
BUILDING UPON THE CHICAGO LEGACY
BURNHAM PLAN
CHICAGO INTERNATIONAL EXPO
FIRST SKYSCRAPER
FIRST MAJOR RAIL HUB
CHICAGO SCHOOL
LOCATING THE ANCHOR PROJECT
CONCENTRATING EFFORTS: FOCUSING ON 87TH AND 83RD STREETS
MORPHOLOGICAL AND FUNCTIONAL INVENTORY
IDENTIFYING POTENTIAL NODES AND LINKAGES
CITY CONNECTIVITY
LAKEFRONT PARK
CONCEPTUAL FRAMEWORK
PROJECTED GROWTH: RESEARCH HUB AND BEYOND

CITY PLUG IN
ANCHOR RESEARCH HUB
CITY PLUG IN

110 ACRE
PUBLIC REALM: BRIDGING THE GAP BETWEEN OLD AND NEW

LAKEFRONT FROM BEING “ACCESSIBLE” TO BEING A DESIRABLE, APPROACHABLE, AND EVENTFUL DESTINATION.

URBAN PLAN

1. 87TH ST. METRO STATION
2. LEARNING CENTER
3. LAKESHORE DRIVE HIGH RISE DEVELOPMENT
4. MUSEUM
5. ACADEMIC SPINE
6. RESIDENTIAL STREET
7. OFFICE TOWERS
8. CHURCH
9. LAKEFRONT HIGH RISE DEVELOPMENT
10. SOUTHWORKS URBAN RESEARCH FORUM
11. CONVENTION CENTER
12. FERRY TERMINAL
13. 87TH ST. MARINA (500 BOAT)
URBAN CONNECTIONS: FROM METRO STATION TO THE LEARNING CENTER
URBAN CONNECTIONS: FROM LEARNING CENTER TO RESEARCH FORUM
KEY SPINES
RECREATIONAL LOOP
URBAN PLAN

1. 87 ST. METRO STATION
2. LEARNING CENTER
3. LAKESHORE DRIVE HIGH RISE DEVELOPMENT
4. MUSEUM
5. ACADEMIC SPINE
6. RESIDENTIAL STREET
7. OFFICE TOWERS
8. CHURCH
9. LAKEFRONT HIGH RISE DEVELOPMENT
10. SOUTHWORKS URBAN RESEARCH FORUM
11. CONVENTION CENTER
12. FERRY TERMINAL
13. 87 ST. MARINA (500 BOAT)
PEDESTRIAN ZONES
URBAN SCALE

MEETING PLACE
A SOCIAL AND FUNCTIONAL OVERLAP AT THE INTERSECTION OF 87 PEDESTRIAN PLAZA AND ORE WALL EXPOSITION PARK.

WATERFRONT ICON
ONLY BUILDING BEYOND LAKEFRONT PARK LIMIT.
ARCHITECTURE AS MEDIUM FOR THE URBAN
PERSONAL FASCINATION
PERSONAL FASCINATION

SOUTH-WORKS
URBAN RESEARCH FORUM

PUBLIC DESTINATION
PROGRAMMATIC UNDERSTANDING

WHAT
PROVIDE EXPERTISE TO PROFESSIONALS
PROVIDE PRACTICAL RECOMMENDATIONS TO POLICY MAKERS
USE AND PROMOTE SOUTHWORKS DEVELOPMENT AS AN EXPERIMENTAL URBAN LAB
ESTABLISH THE CREATIVE ENVIRONMENT TO ATTRACT UNIVERSITIES

HOW
SHORT TERM PROJECT BASED RESEARCH
MASTER AND DOCTORAL COURSES IN URBAN MANAGEMENT AND DEVELOPMENT OF FUTURE CITIES
FORUM FOR CONFERENCES AND DISCUSSIONS ON URBAN DEVELOPMENT STRATEGIES

TOTAL AREA = 30600 SM

SERVICES + CIRCULATION
5000 sm

MASTER STUDIOS
2000 sm

CONFERENCE ROOMS
1000 sm

SEMINAR HALLS
1600 sm

OFFICES
2500 sm

CAFES
500 sm

RESTAURANT
1000 sm

EXHIBITION HALL
500 sm

PROTO-LAB
1000 sm

WORK HALL
1000 sm

TECH-LABS
2500 sm

RENTABLE RESEARCH
SPACE
12000 sm
AN URBAN PIVOT: ARCHITECTURE AS AN EXTENSION OF URBAN MOVEMENTS.
ARCHITECTONIC EXPRESSION
SCALE
FUNCTIONAL TRANSLATION
PUBLIC FORUM

FIRST FLOOR PLAN
SHARED FACILITY STRUCTURE
FACADE STUDY: CLIMATE CONTROL
FACADE STUDY: ARCHITECTONIC REPRESENTATION
FACADE STUDY: MATERIALIZATION

ROUND HOLES
2mm Diameter
STAGGERED PITCH 3mm
Pattern: R2 T3
Open area: 49.31%
Scales: 1:1

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Image of perforated metal catalogue.
TYPICAL FLOOR PLAN
STRUCTURAL SYSTEM