

Designing a Brighter Future

Combating Asian Hate with Innovative Solutions



Country /City China / Suzhou
 University / School Soochow University
 Academic year 2021/2022
 Title of the project Designing a Brighter Future: Combating Asian Hate with Innovative Solutions
 Authors Beiduo Lin, Xiaowei Cao, Xinge Wang, Jiaqi Luo, Chang Li, Jiaxin Wang

TECHNICAL DOSSIER

Title of the project	Designing a Brighter Future: Combating Asian Hate with Innovative Solutions
Authors	Beiduo Lin, Xiaowei Cao, Xinge Wang, Jiaqi Luo, Chang Li, Jiaxin Wang
Title of the course	Creative Design Studio
Academic year	2021/2022
Teaching Staff	Jun Zhai
Department / Section / Program of belonging	Department of Landscape Architecture
University / School	Soochow University



Written statement, short description of the project in English, no more than 250 words

Background: Asian Americans, 7% of the U.S. population, face ongoing hate crimes amid anti-Asian violence and rising anti-Chinese rhetoric. The Asian American community is integral to the urban fabric and deserves a safe and inclusive environment.

Strategy: The project is situated in Manhattan's Chinatown, New York. We've identified and analyzed three high-crime areas there. Drawing upon Crime Prevention Through Environmental Design (CPTED) principles, We developed a landscape design framework that involves identifying crime hotspots, creating structures, analyzing space, and modifying public spaces, and we have developed ten practical strategies for public spaces like plazas, streets, and parks, accompanied by guiding procedures.

Application: We used CPTED principles in an Asian community, which goes beyond traditional crime prevention methods by incorporating street vendors as a tool for crime reduction. This project utilized existing social capital and informal networks between small vendors, community members, and local authorities to implement and sustain security measures. This project aims to create a scalable security model for urban settings and share it with similar communities.

For further information

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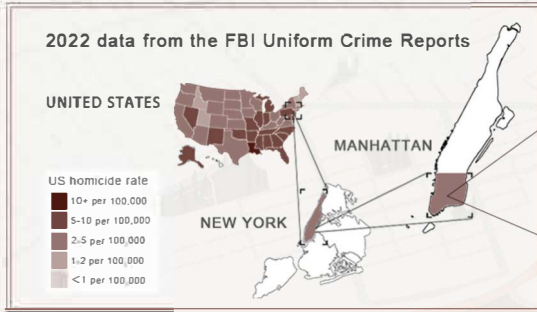
Carrer Arcs, 1-3
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Barcelona November 2023

SCHOOL PRIZE

ANALYSIS OF CRIME KERNEL DENSITY ESTIMATION



Based on the analysis of crime kernel density estimation and hotspot map in lower Manhattan, the project locates in **CHINATOWN** area of Manhattan.



BACKGROUND

Since the beginning of the COVID-19 pandemic, violence against Asians has increased dramatically, and the safety of the APPI community has become a social focus. In addition, the pandemic has left New York street vendors struggling to make ends meet.

Anti-Asian crimes, NYPD



Anti-Asian crimes saw the largest increase in actual incidents, going from 30 in 2020 to 139 last year, for a

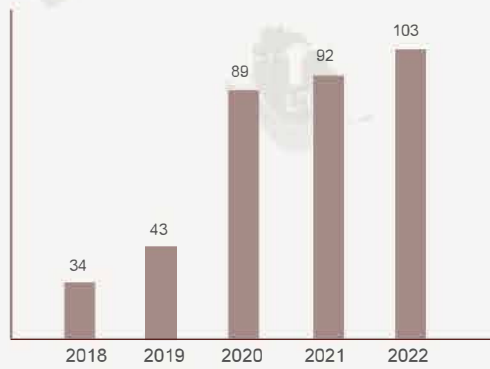
361% spike.

Street vendors



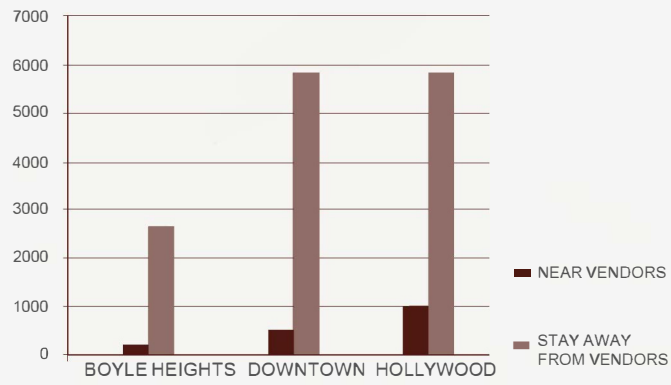
Some **90%** of vendors operate in the underground market, facing the possibility of **\$1,000 fines.**

Number of Hate Crimes Events



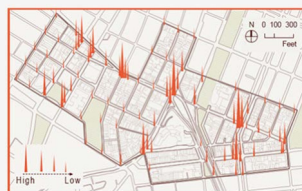
Overall index crime increased by **36.5%** in March 2022, compared to the same period a year ago (9,873 v. 7,232).

Crime by Proximity to Street Vendors, 2013-2014

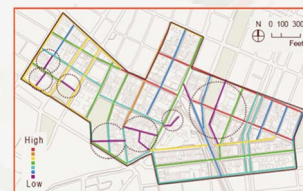


Studies have shown that streets with vendors are more vibrant and less prone to frequent crime incidents.

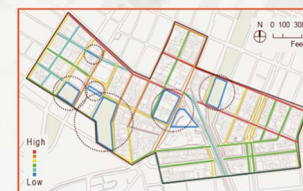
CRIME HOTSPOT IDENTIFICATION



Analyzing crowd density reveals areas with stronger natural surveillance and higher foot traffic, as depicted in the figure with a denser flow along the main road.



Redder color on the map signify higher connectivity, reflecting the openness and connections of the street space to the surrounding areas.



High integration deters crime. Analyzing integration reveals street accessibility and identifies weak surveillance areas.



Crime spots in Chinatown mainly concentrate on the west side, particularly near Collect Pond Park.



Crime point analysis in Chinatown identifies potential hotspots primarily located along Centre Street, Elizabeth Street, and Chrystie Street.

PROBLEMS

Chinatown Feels Abandoned As Anti-Asian Hate Crimes Persist

NYC hate-crime complaints skyrocket, with anti-Asian attacks up 343%

We need more spaces to sell food on the streets.

We want to stop Asian hate.

We deserve and expect safe streets

#stopASIANhate

CURRENT SITUATION

Landscape maintenance

Line of sight surveillance

Street vendor

Law enforcement

Street space

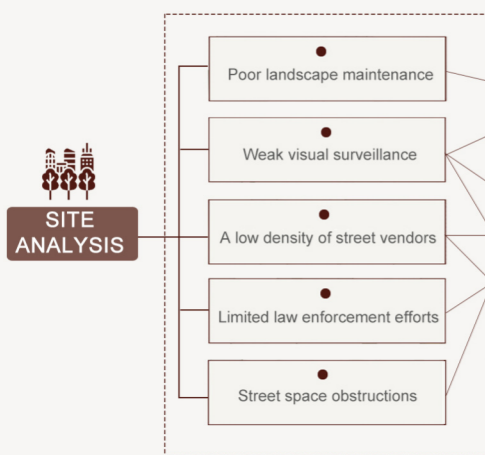
CRIME HOTSPOT 1

CRIME HOTSPOT 2

CRIME HOTSPOT 3

STRATEGY

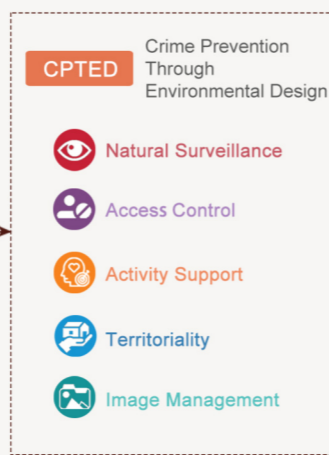
Summary of Current Issues



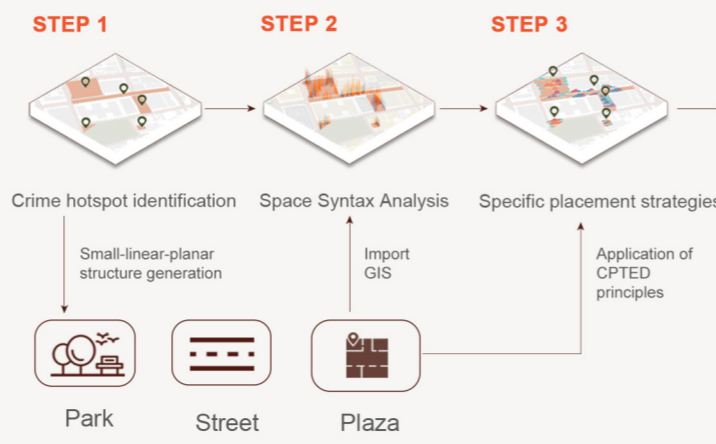
Design goals



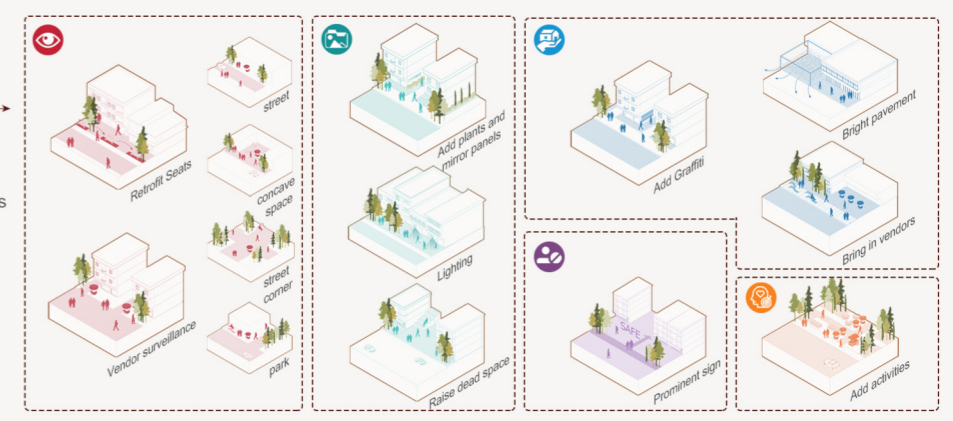
Strategy determination



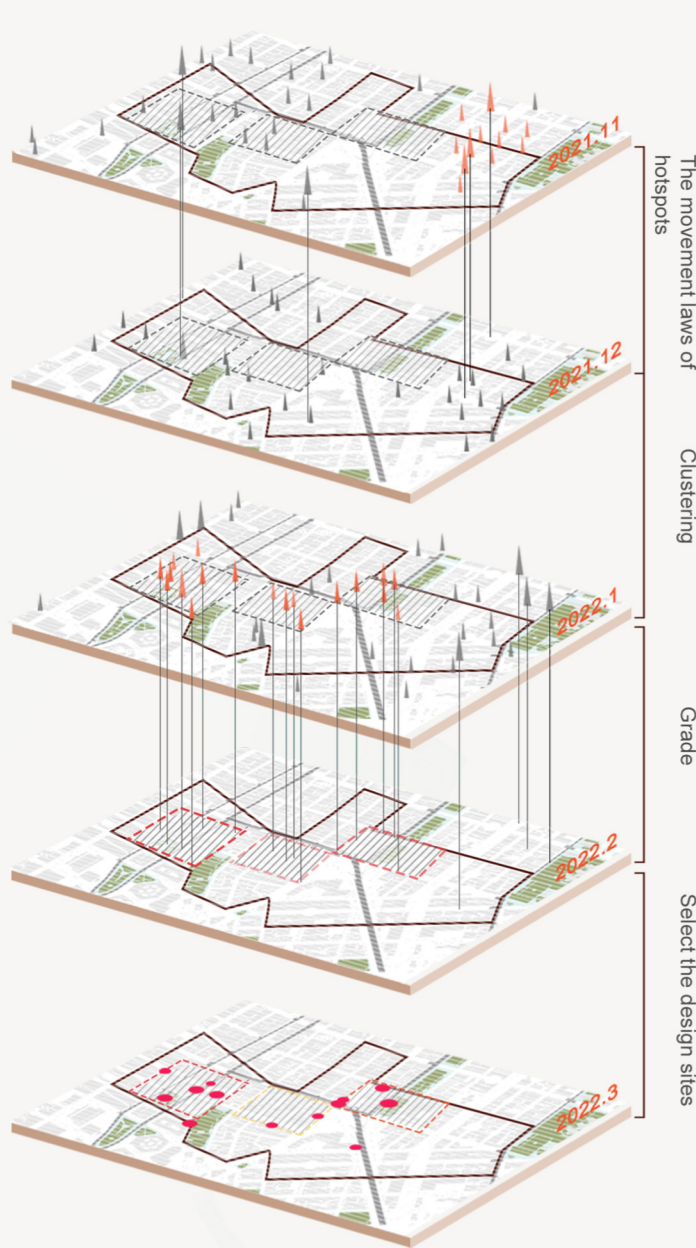
Design Steps



Public space modification



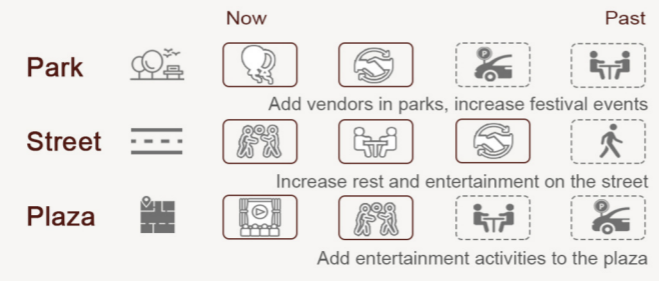
SELECTION DESIGN SITES



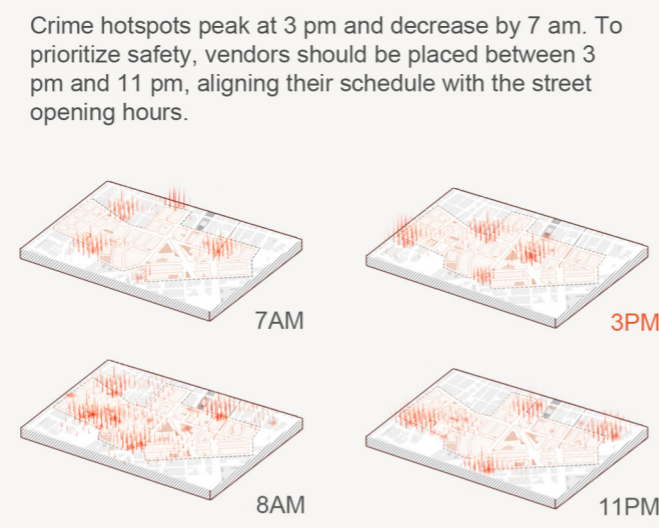
DESIGN NODE FILTERING



SITE FUNCTION



ANALYSIS OF VENDOR PLACEMENT TIME



MASTER PLAN



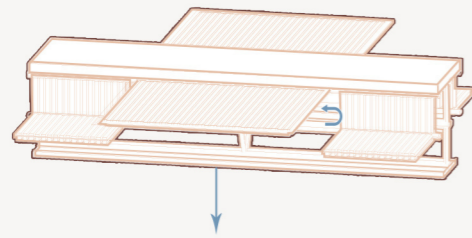
The design sites are selected according to the movement laws of hotspots in the month. According to the level of importance, **CRIME HOTSPOT 1** is selected as the design demonstration area.

LANDSCAPE INSTALLATIONS

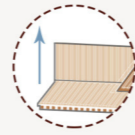
Temporary landscape installations

The combination of temporary landscape installations and street vendors at different times during the day is displayed, which enhances natural surveillance and enriches the activity types on the street.

Track sliders



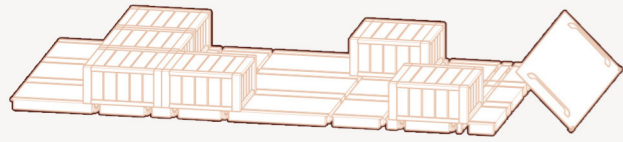
Change



Seat



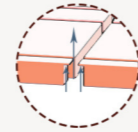
Movable seats



Universal wheel



Track



Take out



Multifunctional Seats



Combination

Bench Back



Easel

Divider



Easel

Table



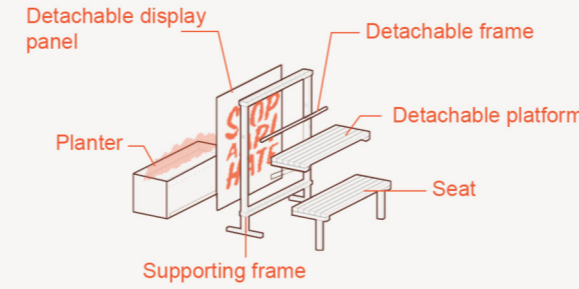
Table

Table



Easel

Seats with different combinations



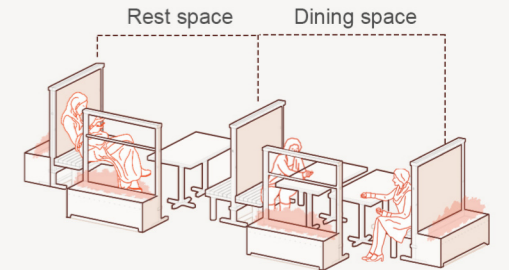
Combination

Food sales



Exhibition

Grocery sales



Rest space

Dining space

DESIGN RENDERINGS



Street activity spaces



Temporary markets on weekends support a variety of events



Daytime usage status of the park



Nighttime usage status of the park



Winter ice rink and festival events in the park



Outdoor activities in vacant lots