



天声街 Tiansheng Street

Wuhan, China



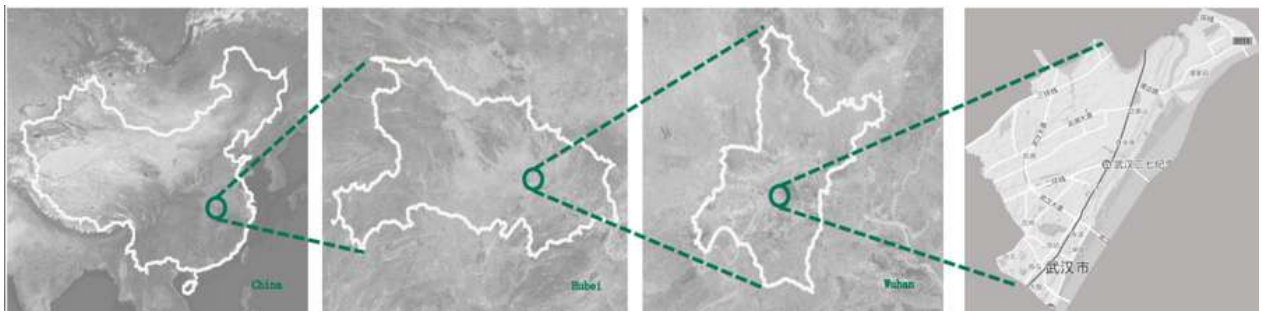
REVITALIZING PUBLIC MARKET STREET

About Tiansheng 天声街



Tiansheng Jie Street, established in 1911, is strategically located in Hankou, Wuhan, Hubei Province, China. Its proximity to major transport routes, including the historic Dazhimen Railway Station—once a bustling transit hub now preserved as a historic building—adds to its significance. The station contributed to the area's transformation into a vibrant downtown filled with teahouses, wine houses, hotels, shops, dance halls, theatres, tea gardens, and opium dens, reflecting its rich cultural history.

This mixed-use area integrates high-density residential housing with a lively commercial scene. The market offers a diverse range of seafood, fresh vegetables, and spices from numerous stalls and street vendors, supporting local entrepreneurs and micro-economies. Tiansheng Jie fosters community interaction and commerce, making it a key cultural and economic focal point in Hankou. The blend of historical architecture and modern activity underscores the street's role in the region's evolution, attracting both locals and visitors and embodying Hankou's historical significance as a major commercial center.



Tian sheng Street, which is located in Jiang'an District, Wuhan City, Hubei Province, China.



Dazhi Metro Station



Dazhimen Railway Station



Tiansheng Street



Yiyuan Road



Problems



Social: Conflict between vehicular and pedestrian movement



Economic: Street Vendors Utilizing Sidewalks



Environmental: Lack of sunlight, impermeable surfaces



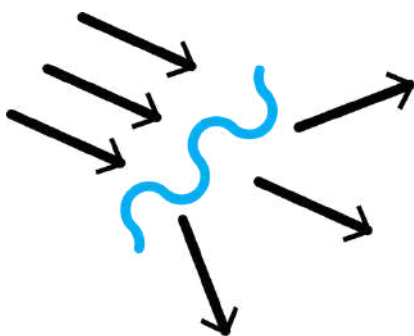
Social: Lack of community spaces

Design Concept

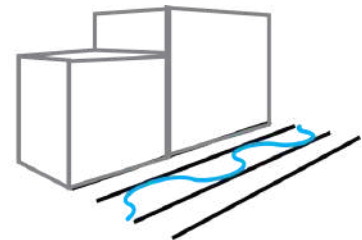
The revitalization of Tiansheng Street, "**The Flow of Tiansheng**," draws inspiration from the free-flowing Yangtze River, symbolizing movement and connection. The curving street design mimics the river's flow, guiding pedestrians intuitively and enhancing wayfinding, creating a seamless and engaging experience. To address sunlight issues, the plan includes light-enhancing elements like reflective surfaces and light shelves, ensuring natural light permeates the street throughout the day. By combining flow and light, the design fosters a brighter, more dynamic space where commerce, community, and nature thrive in harmony.



Yangtze River



Sinusoidal glass patterns
diffusing light



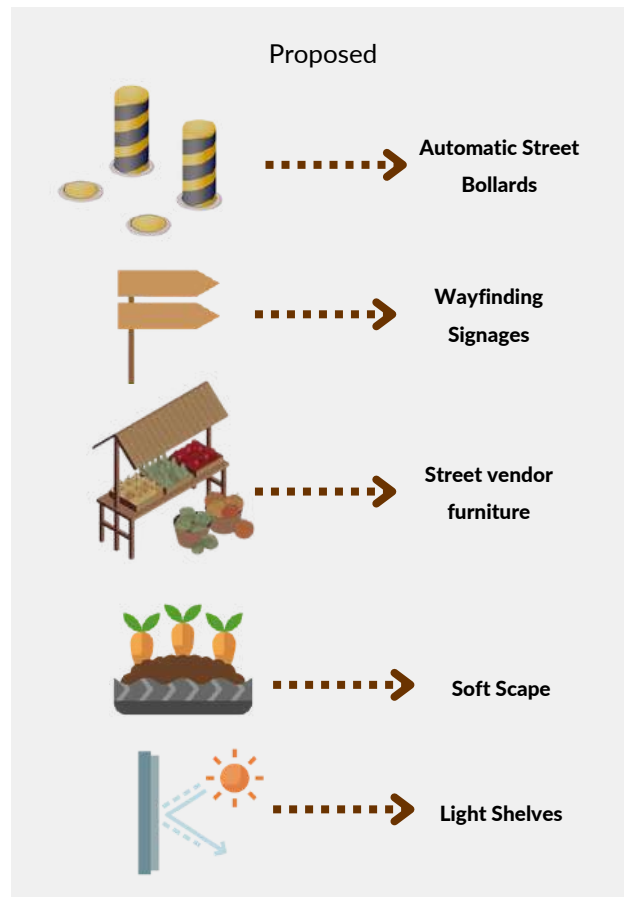
Sinusoidal River Meander
from nature to urban

Proposed Interventions



The north side of the street is dedicated to a lively vegetable and meat market, while the south side offers a diverse mix of shops and restaurants. In response, we propose incorporating appropriate street furniture for vendors on the north side, alongside designated seating areas for community gatherings on the south side.

This revitalization project seeks to transform Tiansheng Street into a vibrant and inclusive public space. By addressing environmental challenges and enhancing pedestrian accessibility, the project aims to foster community interaction and create shared areas for social engagement. The initiative will enrich the urban fabric, making the street a safer and more welcoming environment for all, particularly for the elderly.



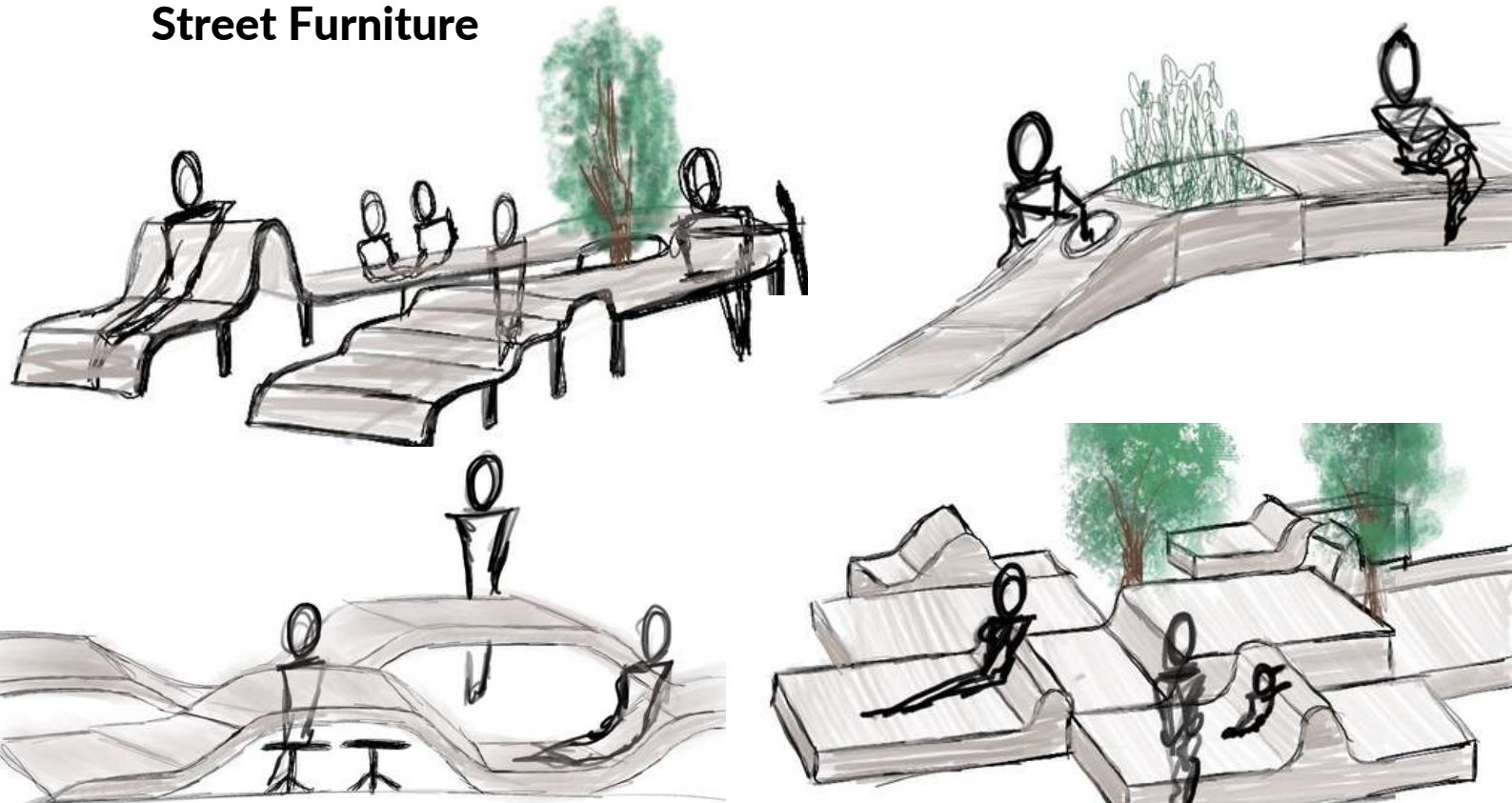
Proposed View



The street view proposal for Tiensheng Street incorporates a wave pattern of varying heights, creating playful and functional street furniture. Permeable stone and materials are used for surfaces to manage runoff, while sponge gardens and soft greenscape enhance the environment. Vending and dining tables are positioned for flexible use, and string lights add ambiance and visibility at night. The entrance archway draws inspiration from the historic Dazhimen Railway Station's architecture, paying homage to the area's cultural heritage. Additionally, utility lines will be routed underground to preserve the street's clean, unobstructed appearance.

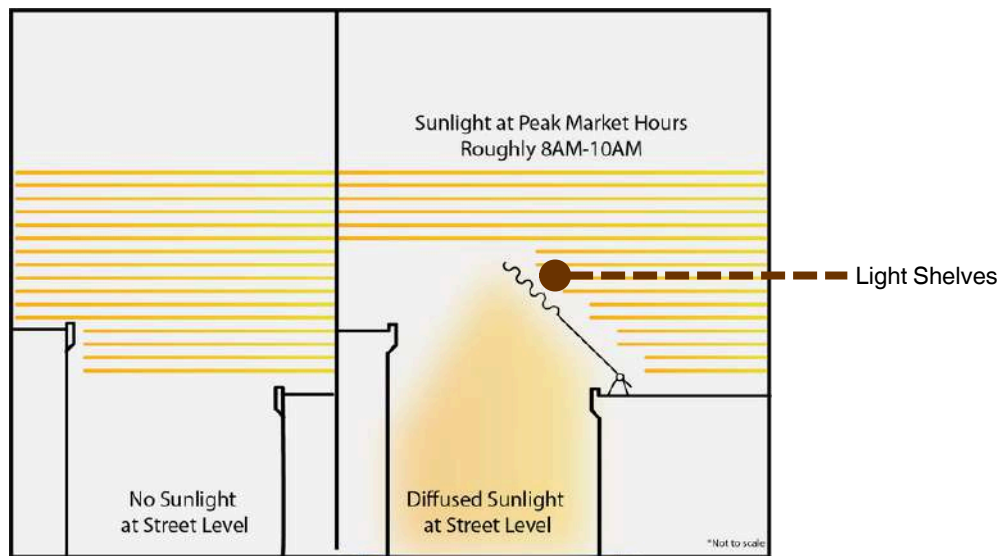
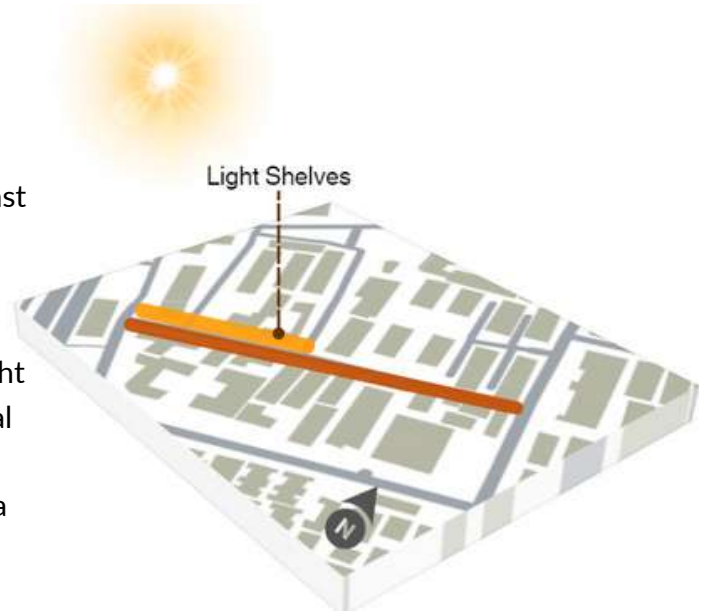


Street Furniture

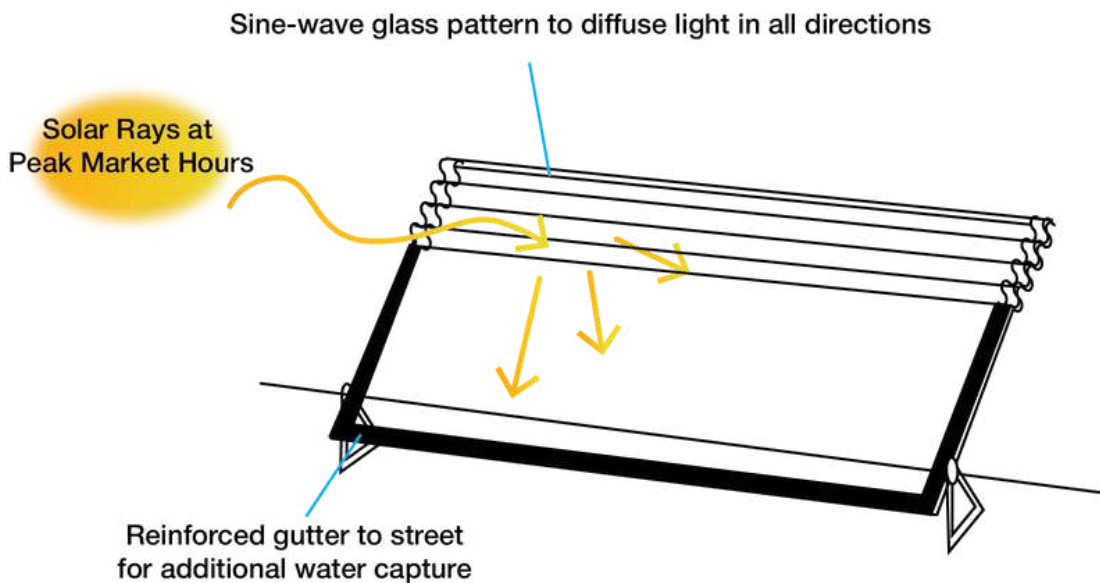


Environmental

Light Shelves: Strategically placed on the northeast side of Tiensheng Street, light shelves will maximize natural sunlight, increasing illumination by 200% in summer and 400% in autumn and winter. These shelves will capture morning sunlight during peak market hours, brightening commercial and residential spaces. By redirecting light, they will mitigate shading from tall buildings, creating a vibrant atmosphere that enhances visibility and encourages foot traffic throughout the day.



Schematic Street Section- Light shelves

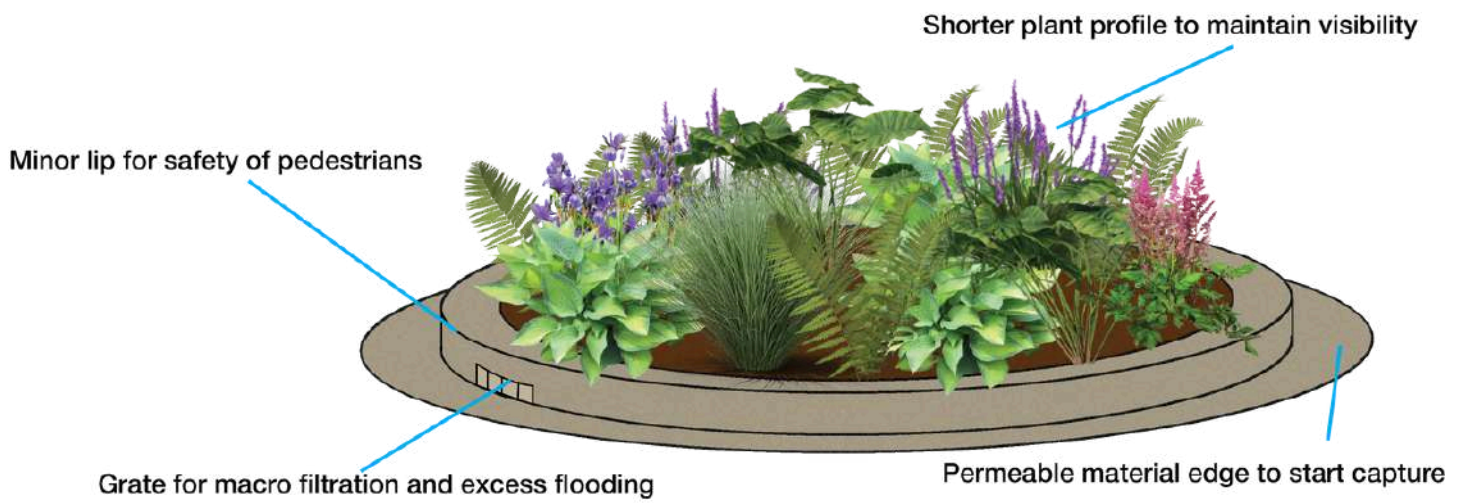


Resulting light redistribution provides ambient glow to street for extended hours

Sponge gardens: add greenery to the area in a controlled and orderly manner. The sponge properties of this garden are important to regulate the high quantity of rain as this area is prone to flooding.

Flood-resistant plants that require minimal sun coverage were chosen specifically to suit the street environment better. For example, ferns, lilyturf, hosta, Astilbe, Japanese Iris, Elephant Ear, and sedges.

Sponge Garden can retain and filtrate water throughout wet months



Sponge Garden Vegetation



Ferns
Matteuccia struthiopteris



Lilyturf
Liriope mvuscari



Hosta
Hosta spp.



Astilbe
Astilbe chinensis



Japanese Iris
Iris ensata



Elephant Ear
Colocasia esculenta



Sedge
Carex spp.

Wuhan experiences a humid subtropical monsoon climate (9a) characterized by seasonal flooding. The selected plant species for this project are flood-resistant and can thrive with minimal sunlight exposure.

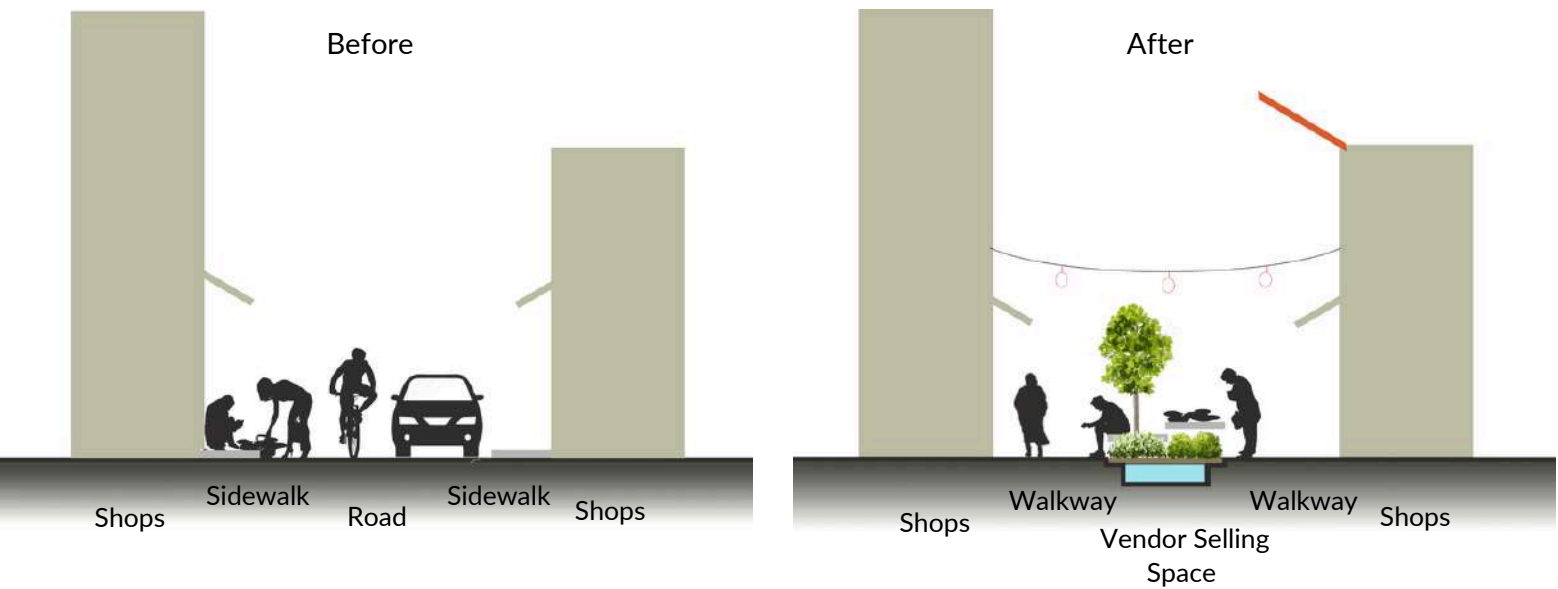


Socio-Economic

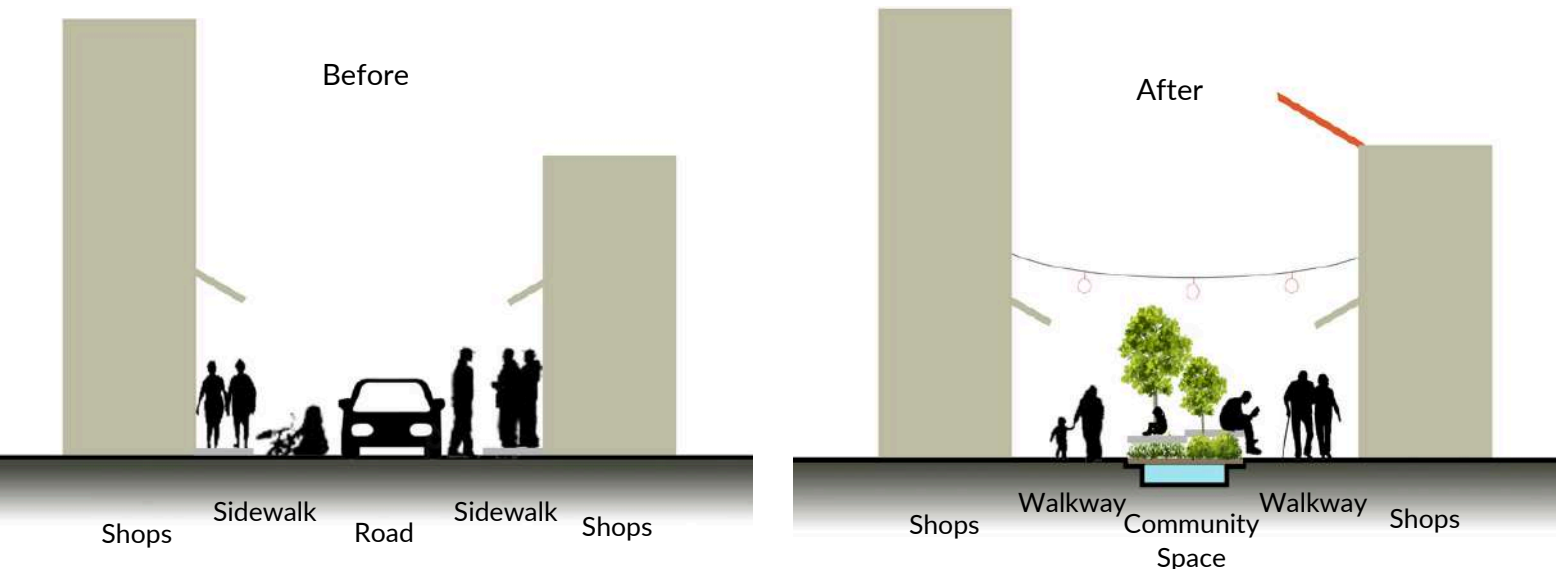
The socio-economic intervention aims to enhance community interaction and support local entrepreneurship along Tiensheng Street. By creating designated areas for street vendors on the north side, we will empower local entrepreneurs and stimulate micro-economies, providing the necessary infrastructure for their success.

Additionally, the introduction of communal seating areas and softscape elements on the south side will foster a sense of community, encouraging social gatherings and interactions among residents and visitors. These shared spaces will serve as informal meeting points, enhancing social cohesion and creating a vibrant public realm that reflects the area's rich cultural tapestry. In the morning, these spaces will cater to sellers and breakfast enthusiasts, while in the evening, they will transform into community gathering areas. The incorporation of a curb-less street design will further improve accessibility, ensuring seamless mobility for all users. Overall, these interventions are designed to promote economic vitality while strengthening community ties.

North Side



South Side



Impact

In conclusion, the revitalization of Tiansheng Street represents a forward-thinking approach to urban design that honors the historical and cultural significance of the area while addressing modern challenges. Inspired by the flowing nature of the Yangtze River, which is critical to Wuhan, this project encapsulates the essence of movement, light, and community engagement. By fostering an environment where people can connect, interact, and thrive, "**The Flow of Tiansheng**" not only revitalizes a key urban space but also sets a precedent for future development initiatives in the region. Through this project, we aim to create a legacy of sustainability, connectivity, and vibrancy that will benefit generations to come.



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