

CRTKL

SHIFT

URBAN

SHIFTING TIMES

“Focus on designing urban areas not to solve physical problems but to meet social needs”.

George Kostritsky

In this document, we explore the urban shift that we see happening within our cities, many of which have accelerated following the pandemic and associated economic downturn.

CRTKL (CallisonRTKL) has always taken a human-centric and adaptive approach to Planning and Urban Design. It’s in our DNA. One of our founding partners, George Kostritsky wrote his thesis at MIT in the 1950s called ‘The Neighborhood Concept an Evaluation’. His work on the Charles Center and Baltimore’s Inner Harbor has been instrumental in establishing our companies planning foundations.

To help our clients at this time, we show them a brighter future. By focusing on making a greater place, that helps people and has relevance and nuance, the rest of the mechanics become easier.



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THE SHIFTS CITIES ARE EXPERIENCING



Elements of this PDF are interactive.



 [Urban Shift webpage](#)



WHO WE ARE

We are industry thought leaders with a drive to solve some of the most challenging issues facing our communities.

We are community members who care about our neighbors and seek out opportunities to contribute and give back.

We are collaborators, translators, organizers and conveners of people and place.

We are people, just like the communities and clients that we work for. We strive to make plans and design places that people love.

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CHANGE MAKERS & PROBLEM SOLVERS



A MIX OF MINDS

Our team consists of a diverse mix of minds. Brought together by their passions for planning, urban design, and landscape architecture, these professionals are also active members of their communities, and bring their own independent identities and lived experiences to the table.



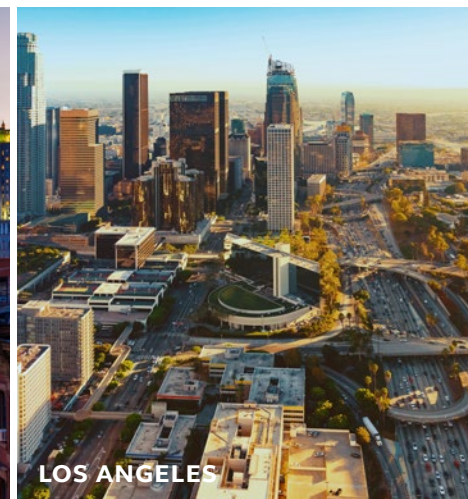
INTERDISCIPLINARY STRENGTHS

As planners, landscape architects and urban designers we strive to achieve positive environmental, social behavioral and aesthetic outcomes. As urban planners we comprehensively think about policy and use. As urban designers we envision aesthetic cohesion and fitting transitions. As landscape architects we detail the built environment. As a collective we understand how the pieces work together to make places people enjoy.



ONE LARGE STUDIO

Our team affords ample coverage of North America and the ability to apply regional focus. Our range of expertise is wide, and our network is global. The challenges facing our cities today require diverse thinking, interdisciplinary collaboration, and local perspective to build truly successful outcomes.



**EVOLVING
ACROSS
75 YEARS**

1950

1970

1990

2010

1960

1980

2000

2020

FAST-FORWARD CHANGE

THE PANDEMIC HAS BEEN A WAKE-UP CALL AND WE SEE A SHIFT IN ALL SECTORS.

- Healthcare providers will look towards community-based healthcare clinics, and telehealth centers and a focus on prevention instead of treatment.
- Retail and food & beverage businesses will reconsider their online as well as physical presence in the face of changed customer behavior and consumer expectations.
- Shopping and entertainment and hospitality industries need to adapt their business model as they depend on foot traffic, air travel and large crowds and shift towards a more localized experience.
- The workplace of the future will prioritize health and wellness of workers.
- Nursing homes, rehabilitation centers, transitional housing, homeless shelters, prisons, and other forms of shared housing of vulnerable people at a high risk.

WE KNOW CITIES.

Now, more than ever, we need to support our clients in their efforts to SHIFT our cities in resilient, equitable, sustainable and transformative ways. The future is about seeing opportunities where there is currently uncertainty.

IMPACTING COMMUNITIES

Considering the social, economic, and environmental impact of our projects, we have initiated a firmwide impact study. The data shows our projects have helped: foster growth of population with higher income and education create mixed-use, walkable environments reduce car dependence and promote transportation alternatives increase land values and generate tax revenues

RESHAPING CITIES

As cities examine policies that lead to the persistence of bias and inequality and regulation of public spaces, real estate developers will look for opportunities to mix uses communities with jobs, shops, and amenities within walkable distance.

NAVIGATING DIGITAL

Geographic information systems (GIS) are on full display as government uses maps to track the spread of the virus. Data driven design shows the power of maps and stats while raising concerns about privacy and ownership of data.

SHIFT TOWARDS EQUITY

Transformative shifts in the planning and design of cities cannot happen without addressing systemic racism, oppression, and injustice head-on.

Diversity, equity and inclusion aren't simply 'aspects' of our work – they are deeply tied up in what we do because.

A shift towards equity hinges on acknowledging and correcting historical wrongs such as redlining. We make progress when we take personal inventory, make purposeful commitments, and advance actions.

We work to amplify the voices of minority groups and communities of color to understand what a truly equitable outcomes should look like. We leverage the global scale of our firm and use that platform to influence change and action. We work with clients to build community trust trust, speak out on behalf of others, and encourage collective action to facilitate meaningful change.

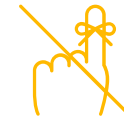


Our team members work closely with the community through a trustworthy & empowering process that builds a consensus vision to the benefit of ALL.



PEOPLE FIRST

As advocates for diversity, inclusion, and equity we hope to inspire places that center a wide variety of people and experiences and amplify underrepresented voices. We plan and design for diversity not only because our cities are expected to continue growing more racially and ethnically diverse, but because we believe people inform place.



LEARNING & UNLEARNING

The systemic racism, oppression, and injustice witnessed across the nation is not by coincidence, but by design. To shift to a more inclusive and equitable society, we must understand the landscape, identify our roles, unlearn oppressive teachings, learn inclusive solutions and act with intent.



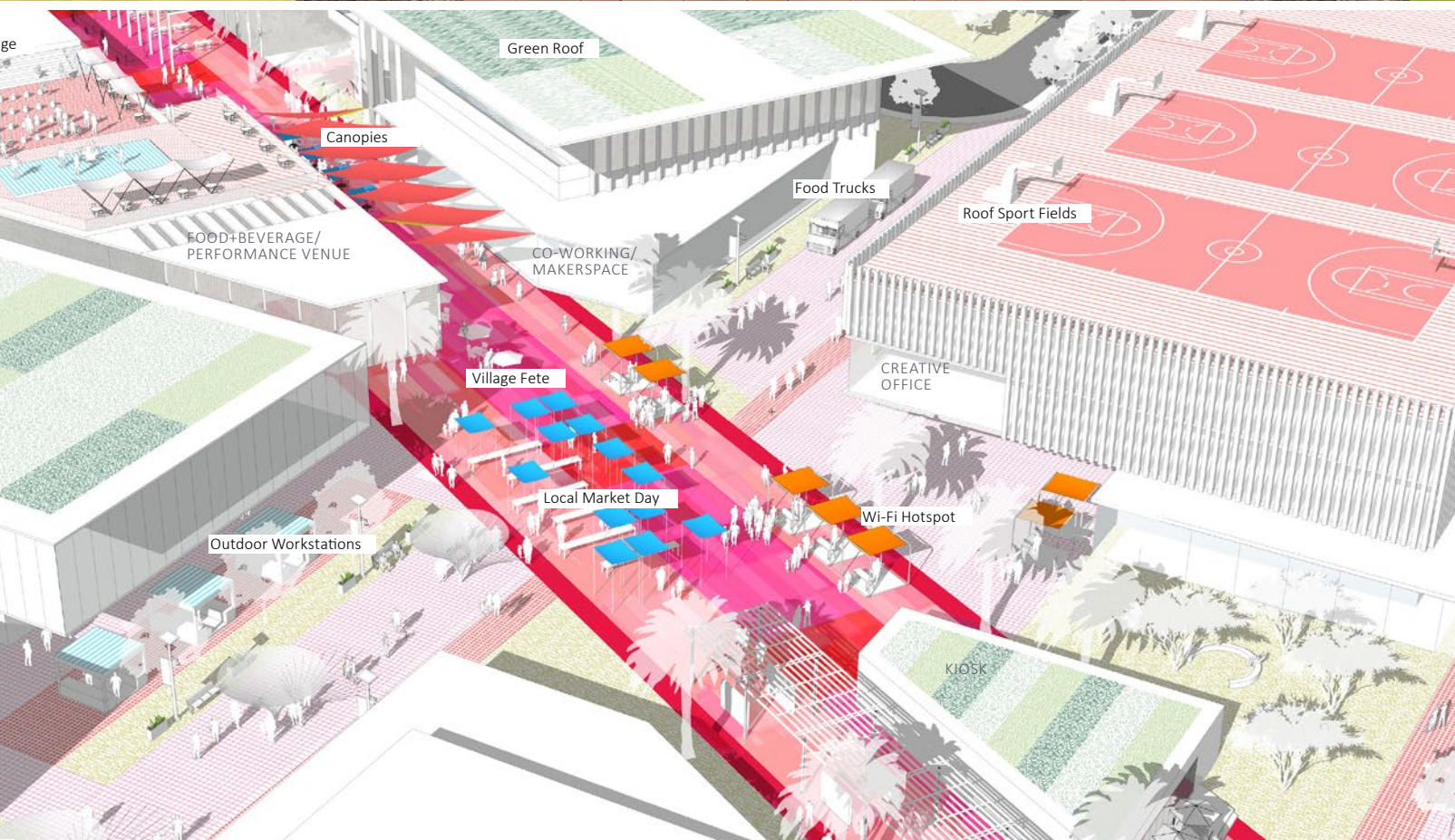
COMMUNITY PARTNERSHIP

Success is developed through community dialogue involving voices from all segments of the population, especially the underrepresented. Engagement has shifted from outreach into a trusted partnership. The community is the expert; our role is to convene, translate, and learn from the community while supporting their understanding of planning and design.



SPARK AREAS

Catalysts for growth that stimulate new investments at a variety of scales.



Phoenix, AZ

PHOENIX AIRPORT (PHX) LAND REUSE STRATEGY

Located between Phoenix Sky Harbor International Airport and downtown Phoenix, Arizona, under the shadow of the approach to the airport, lies about 1,400 acres of underdeveloped urban land, including historic neighborhoods that have been nearly decimated due to neglect and ongoing skepticism regarding potential development.

CRTKL in collaboration with the community, worked to bring new life to this once thriving area. The challenges were many: land acquisition was hampered by small lot sizes; residential uses were all but prohibited; and noise was an issue. But the opportunities are even greater: the site's valuable location between the airport and the downtown area opens it up to a host of exciting possibilities. The project team's goal was to improve the existing neighborhood fabric by crafting a finely grained redevelopment plan for the district by introducing new amenities, uses and economic drivers while mitigating environmental challenges.

RESULTS

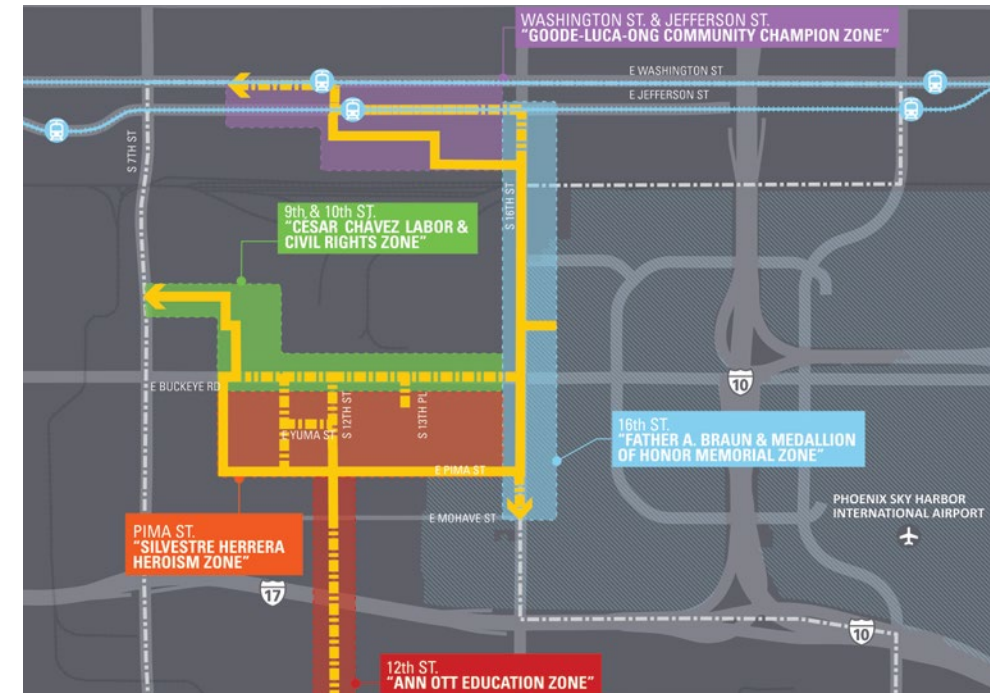
- Spark Area 1 RFP has been tendered and is currently in the evaluation process; and City anticipates to initiate the redevelopment in 2020
- 14,000 + potential permanent jobs
- \$4.5+ million dollars of annual project revenue

CULTURAL CORRIDOR

A walking and biking route that tells the community's stories.



CULTURAL CORRIDOR THEME ZONES



THE CULTURAL CORRIDOR

Corridor will be a designated heritage trail with the ability to honor the legacy, histories and identity of the existing community and link multiple neighborhoods through historic markers, wayfinding, and interpretive signage. Community members and visitors will be able to learn about the area's rich history and how the present-day cultural composition came to exist.

RESULTS

- A 5-mile Cultural Corridor route connecting historic neighborhoods



COMMUNITY ENGAGEMENT

Collaborate with phoenix's community to achieve a consensus decision making.

A mix of workshops, milestone presentations, voting events, and open houses were created at key points when the Implementation team required community input. The meetings and process were characterized by a branded system that included project specific branded elements such as posters, invites, door hangers as well as mini-brochures, project information “storefront” design and a project interactive webpage were among the communication tools and resources developed for the project.



RESULTS

- Over 600+ Community Participants
- 60 - One-on-One Stakeholder Interviews
- 7 - Community Workshops / Meetings
- 2 - Implementation Oversight Committee Meetings
- 4 - Technical Advisory Committee Meetings
- 2 - Focus Group Meetings

SHIFT TOWARDS LOCAL VALUES



PLACEMAKING

Placemaking is the expression of local community assets, inspirations, and potential that is used to create quality public spaces. It is a collaborative process to shape the public realm in such a way that can maximize shared value through community benefits and economic returns.



PLACEKEEPING

Placekeeping acknowledges and actively combats the erasure of community identity. It sits at the intersection between the physical, cultural, and social identities of a place. It is a physical and public manifestation of cultures, ethnicities, languages, histories, legacies, and identities that seek to be cohesively celebrated, leveraged, and connected.

Our neighborhoods and communities are reflections of our society and values.

They demonstrate the beauty of democracy in action while also revealing dysfunctional systems, implicit and explicit structures of power, and socio-economic disparities. With growing debates over gentrification and urban revitalization, it becomes clear that we must take a hard look at profit drivers, race, class change, and historic disinvestment to inform solutions.

The reality is that people are the true experts of their communities.

The process must value longtime resident visions of neighborhood change, share decision-making power, and search for untapped potential. Centering the involvement of local and diverse perspectives empower communities to take the lead in shaping their neighborhoods while ensuring their stories, identities, needs, and aspirations are accurately being represented.



A LIVELY MIX

A balanced mix of uses brings life's essential activities into proximity, gathering diverse peoples and experiences together, enlivening streets and public spaces, and generating overall vitality.

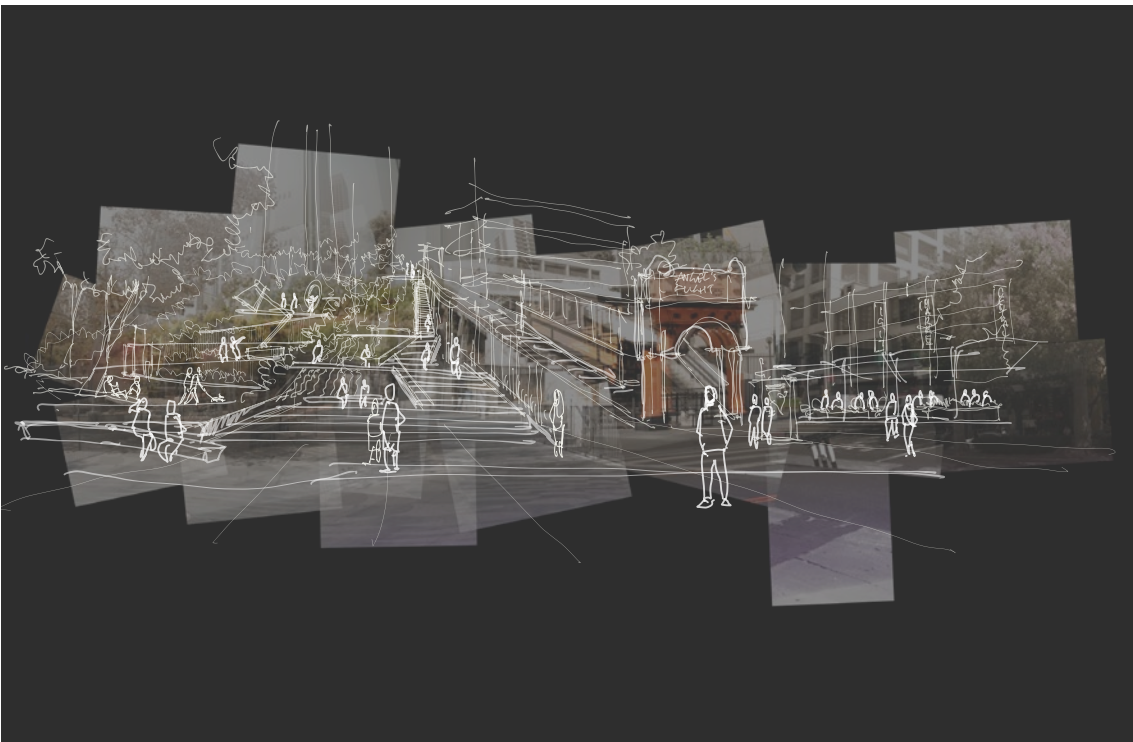


CULTURE IS KEY

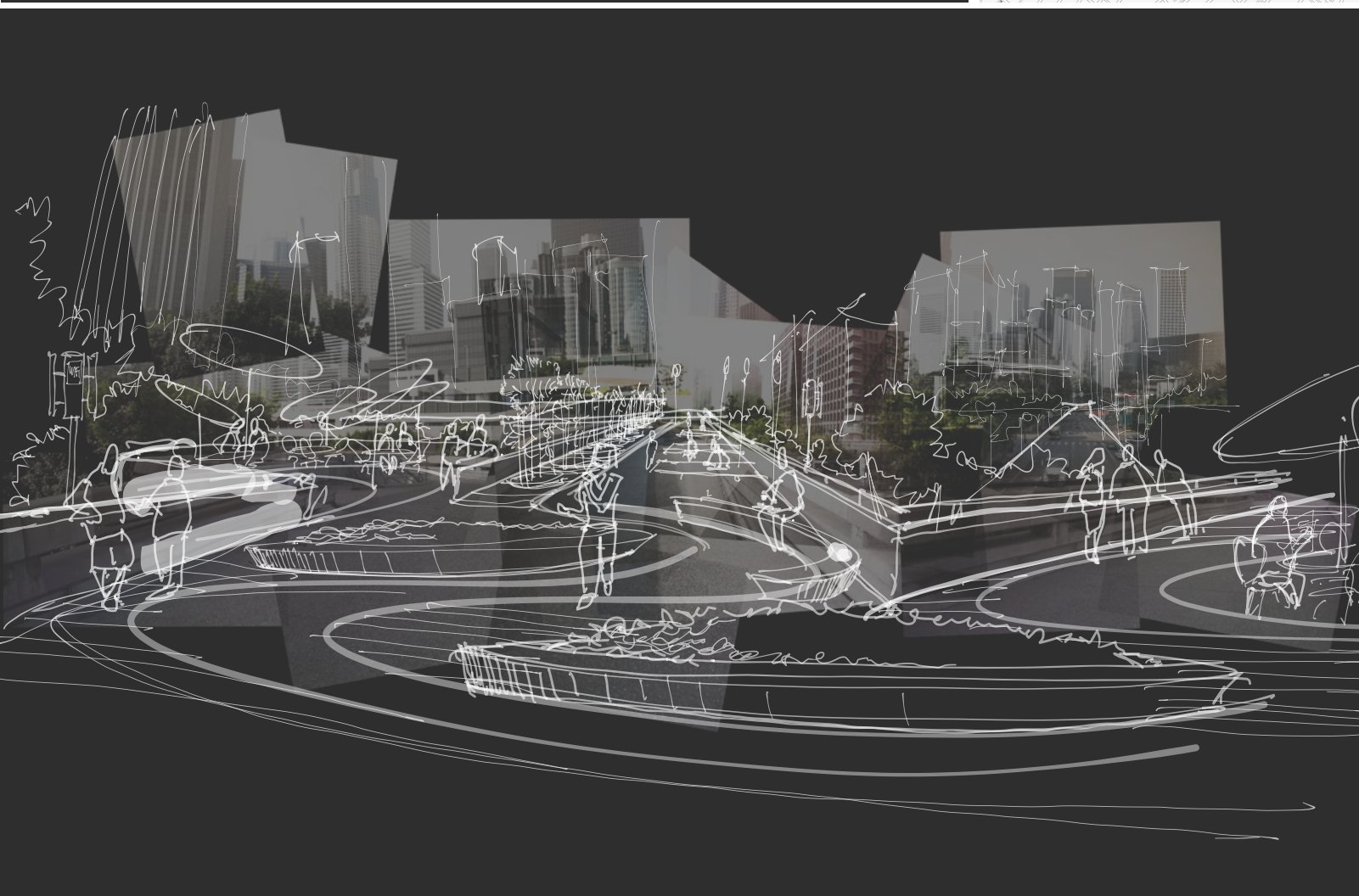
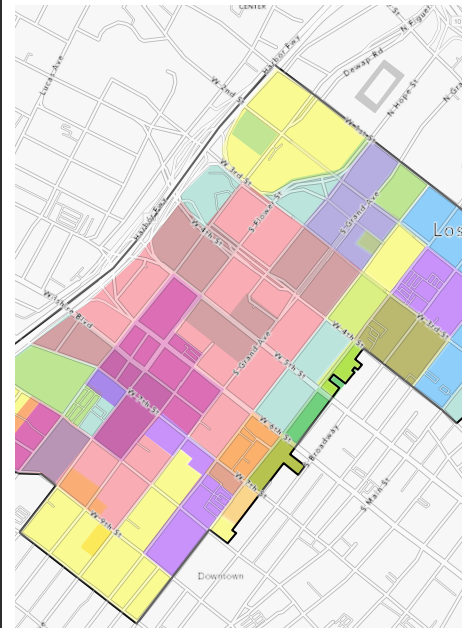
History, art, education, and community events and celebrations are not just pleasant features - they are integral to placemaking and public life and sustain a more distinctive and enriching community.



Uncovering Untapped Jewels of Urban Expression



OPPORTUNITIES FOR PLACEMAKING



LOS ANGELES, CA

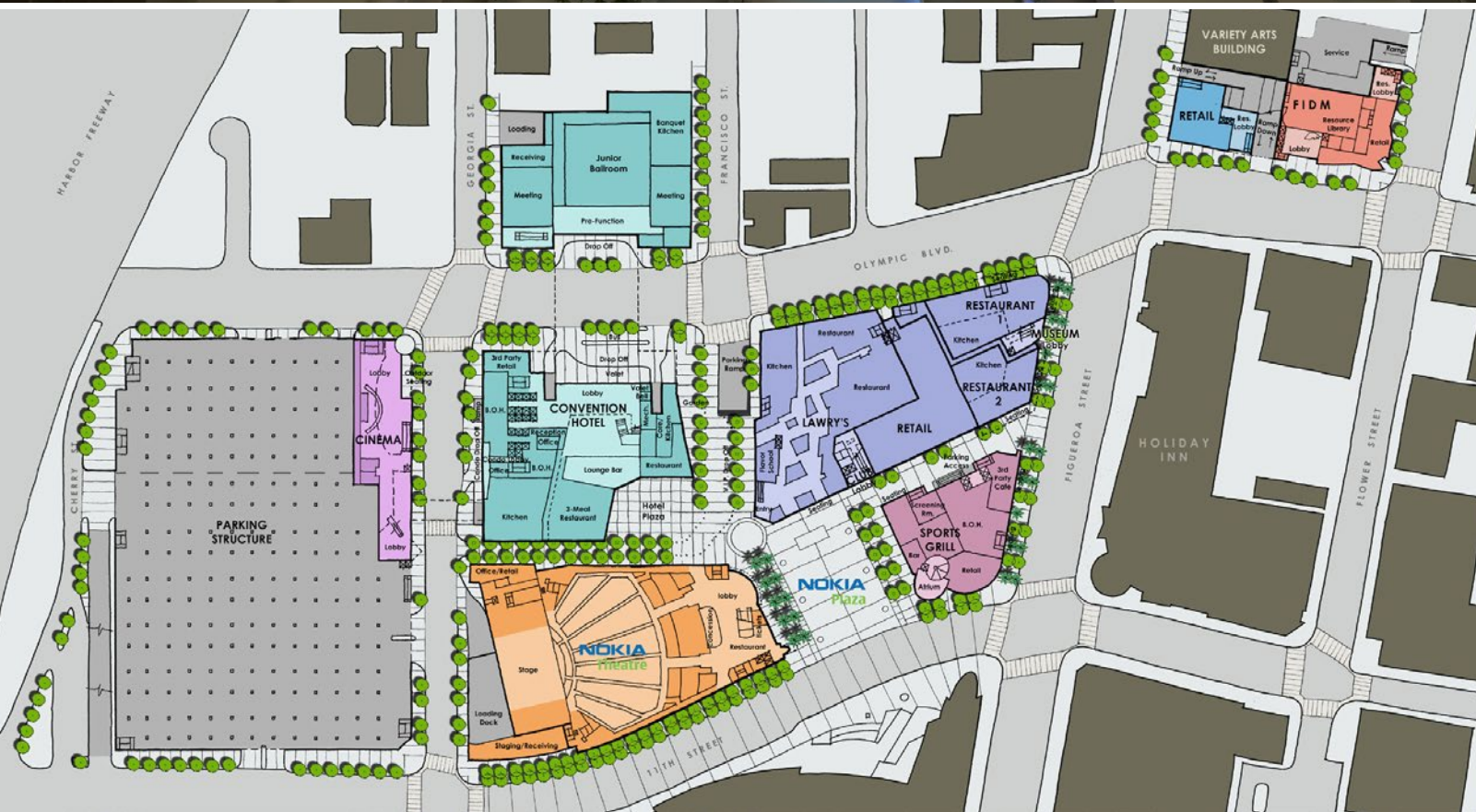
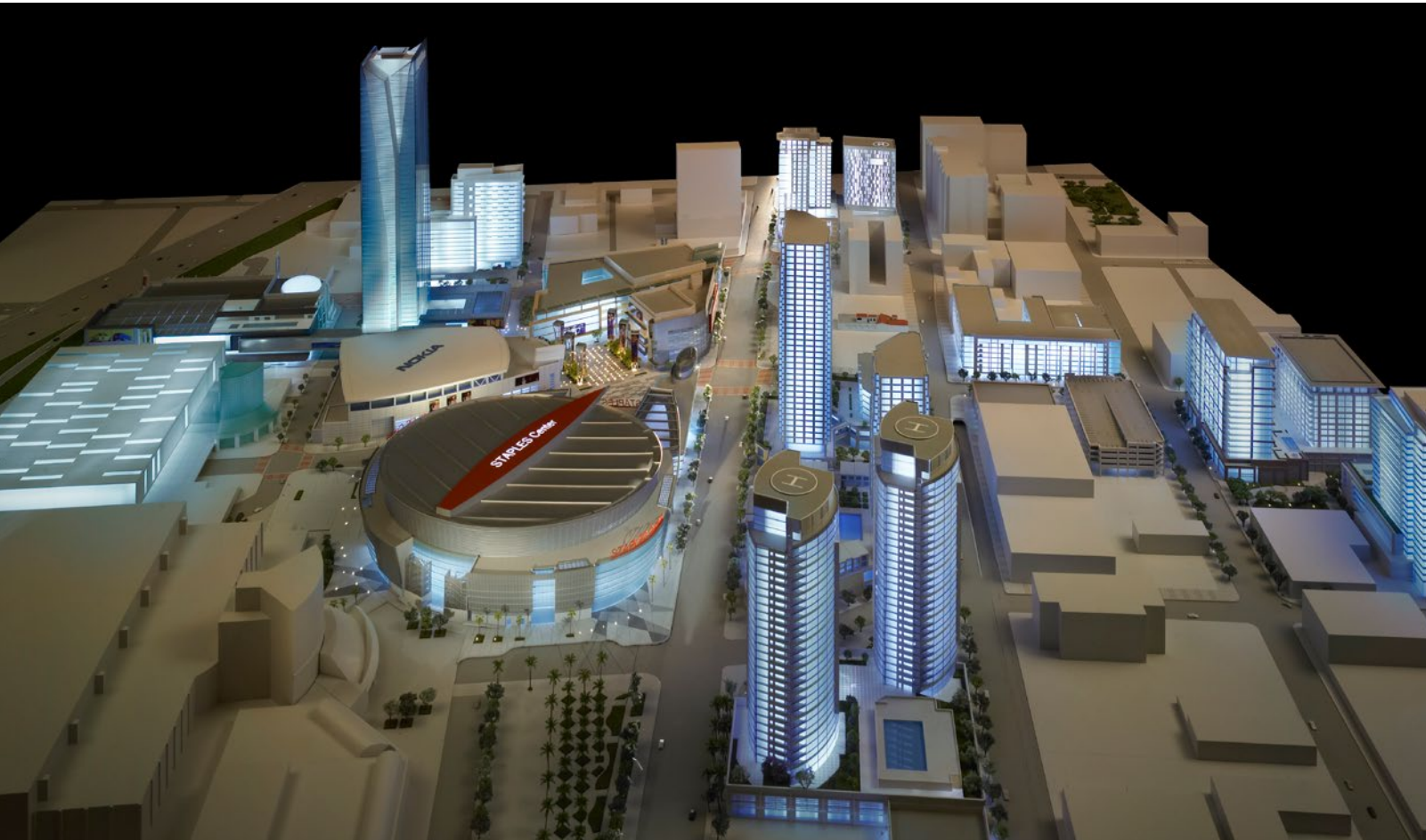
DOWNTOWN CENTER BUSINESS IMPROVEMENT DISTRICT (DCBID) PLACEMAKING STUDY

Our LA team collaborated with the Environments Studio to uncover DTLA's untapped jewels of urban expression and to identify future opportunities for placemaking initiatives. The Downtown Center District is positioned to play an important role in the ongoing evolution of the Greater Downtown Area, including its physical environment and corresponding human activity. The purpose of the Placemaking Opportunities Project is to assist the BID in deepening their knowledge and fine tuning their understanding of the downtown urban environment in order to create inspiring opportunities for future placemaking recommendations. Through virtual visioning charrettes, we identified and created tangible ideas from the manifesto by @BureauSpectacular.

RESULTS

- Has received accolades and support from DCBID Board members and the AIA Los Angeles Director of Government & Public Affairs, highlighting the project's influence on DTLA, public realm leadership, a post-COVID reinvigoration of downtown, and the fostering of multi-sectoral collaboration in DTLA placemaking.
- The DCBID is moving forward with the implementation of two of the identified placemaking opportunities ("7th & Dine" & "The Pedways").

Catalyzing the Renewal of Downtown Los Angeles



Los Angeles, CA

LOS ANGELES SPORTS AND ENTERTAINMENT DISTRICT SPECIFIC PLAN

The Staples Center, Los Angeles' world-class sports arena, has been a powerful catalyst for the renewal of the city's downtown. Eager to continue with this revitalization, the facility's owner hired CallisonRTKL to generate a master plan for a 33-acre urban district along the downtown area's southern edge. Under the expectation that the district would attract six million visitors annually, CallisonRTKL envisioned a mix of compatible and synergistic uses that would complement the arena and convention centre. The centerpiece of the plan was the new L.A. LIVE mixed-use development, an exciting, 24-hour-a-day attractions.

In addition to providing planning and urban design for the entertainment district, CallisonRTKL provided architecture and environmental graphic design for L.A. LIVE's two mixed-use anchor buildings made up of retail, restaurant, office, museum and entertainment space, a 720-seat theatre, a 1,000-room condominium hotel, and the west coast broadcasting headquarters for ESPN sports television. Complete with a 40,000-SF pedestrian friendly public plaza. L.A. LIVE underscores the city's reputation as one of the world's most dynamic entertainment hubs. The open-air space serves as a central meeting spot and boasts state-of-the-art lighting, LED-screens and signage displays. The technology-enhanced accents captivate audiences and decorate building facades. Additionally, CallisonRTKL's design offers convenient ground-level access from the plaza to a wide selection of shops, restaurants and leisure activities. L.A. LIVE, utilizing a phased delivery, creates a vibrant urban community catering to visitors and city denizens alike.

RESULTS

- 2002 Special Award of Merit, Focused Issue Planning, American Planning Association (APA), Los Angeles Chapter & Multiple ULI Awards
- Over \$15 billion in investment to date
- Over 3,000 housing units built in South Park
- \$350 million invested in Convention Center expansion
- 20 million visitors and 350 events annually
- \$1 million in tax revenue generated daily Planning Association (APA), Los Angeles Chapter

SHIFT IN BEHAVIOR

As our cities are experiencing seismic changes brought on by a health pandemic, the resulting financial strains, and an ongoing climate disaster, lifestyles and expectations have been altered and a new normal is taking root.

It forces local authorities to address and adapt, rather than allow these changes to unfold piecemeal and without long term strategy, this is a moment where we should make deliberate decisions to shape the future cities we all want to live in.

This new normal will center around the flexibility of spaces to adapt to multiple programs, a marriage of the physical and digital presence of brands and institutions, and workplaces which are less tied to physical locations.





THE NEIGHBORHOOD

The need for flexible outdoor spaces is changing the public realm of the neighborhood, taking the emphasis of streets from car oriented to people oriented. As people look more to the areas immediately around them for daily necessities, the idea of the 15-minute neighborhood has become more critical than ever.



THE WORKPLACE

As work shifts from in person to online and the physical space of the office becomes secondary to streamlined workflows, the center of our cities will need to be reimagined. Prior to COVID-19, there was already a skepticism growing around the idea of the Central Business District, and now as the value of office space in these areas is falling, greater emphasis should be placed on diversifying the urban core and adding more civic and public functions.

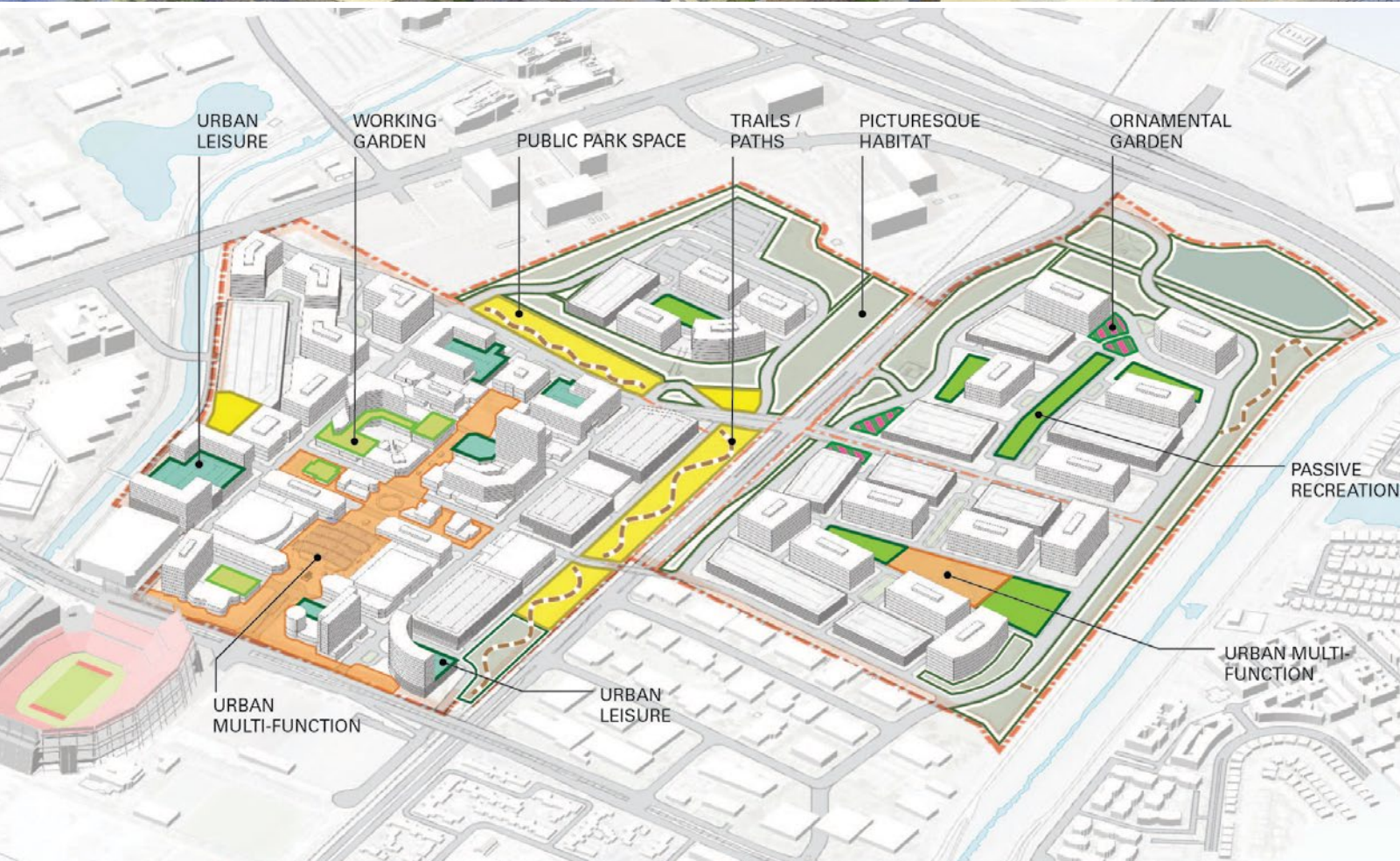


THE DIGITAL STORE

Consumer patterns are shifting and many purchases that once relied on in person interactions are happening online. The place of the brick in mortar store is shifting from direct sales to generating brand identity through one-of-a-kind experiences. This places a new responsibility on building a seamless integration between a brand or institution’s physical and digital presences.



Planning for Smart Growth



Santa Clara, CA

CITY PLACE SANTA CLARA MASTER COMMUNITY PLAN

In the heart of Silicon Valley, the 240-acre CityPlace mixed-use development leverages proximity to Levi's Stadium and transit to reclaim a former landfill and underutilized golf course and revive it as a regional destination. The project entitles over 9 million GSF distributed across five major parcels to be built out over multiple phases, allowing a flexible response to market conditions. The initial phases include approximately 4 million GSF of commercial retail, entertainment, office, hotel and residential uses. Subsequent phases will offer office campuses intended to attract major employers, primarily high-tech businesses and knowledge based-enterprises that seek more comprehensive amenities. An integrated network of outdoor spaces, including a 35-acre public park, rounds out the development.

RESULTS

- Will generate an estimated \$5 billion in construction and more than 1,600 permanent jobs
- Among three major transformational plans spurring growth in Silicon Valley (along with San Jose's Diridon Station Area and Mountain View's North Bayshore Precise Plan)
- Host of SuperBowl X, PAC 12 Championship Game and World Cup qualifiers

SHIFT IN URBAN LOGISTICS

Online shopping is changing more than just retail; it is transforming urban form. Warehousing and storage are closely linked to transit networks and function best as a single, optimizable system. As such, airports and ports in particular are no longer simply peripheral land uses—they are vibrant centers of activity providing key economic and creative energy.



JUST IN TIME

Shopping behaviors emphasize the importance of online presence. Seamless warehouse operations, customer service and shipping are frequently more important to the bottom line than the traditional point-of-sale experience.



CLOSE PROXIMITY

Businesses are beginning to cluster around airports and ports in order to better compete and collaborate. As a result, these areas are becoming hubs for creative industry.



LOGISTICS CORRIDORS

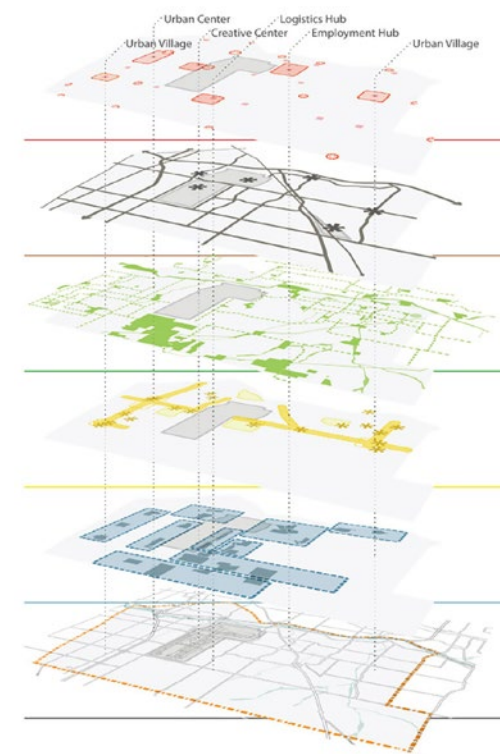
Thoroughfares connecting airports and ports to the urban core are transforming into logistics corridors.





Memphis, TN

MEMPHIS AEROTROPOLIS: AIRPORT CITY MASTER PLAN



Despite its status as the largest air cargo hub in North America and the primary economic engine for the region, the area surrounding Memphis International Airport has suffered from haphazard development and subsequent decline. The master plan guides development for an area of approximately 50 square miles, creating activity nodes and gateways, improving transit corridors and green networks, identifying neighborhood improvement zones, promoting economic development—particularly in relevant niche industries such as tourism and hospitality, logistics, research and development and advanced manufacturing—and upgrading airport infrastructure.



RESULTS

- 2014 Comprehensive Planning Award, American Planning Association, Tennessee Chapter
- Greater Whitehaven Economic Redevelopment Corp formed with seed money from the City Council to implement community-wide improvements
- Guest House at Graceland is completed, per plan recommendation for a new hotel and conference center
- Legislation passed at the state level to ensure economic competitiveness and implementation funds, per plan recommendation



#1 Cargo Airport In North America
#2 Cargo Airport Globally

2015 rankings, Airports Council International

SHIFT IN MOBILITY

Mobility and transportation infrastructures have, since the beginning, defined the development patterns of our cities and territories.

Arguably, nothing has had a more enduring influence on the way American environments have been shaped than the automobile. While, in some ways, this paradigm seems to be challenged through emerging technologies in autonomous cars and intelligent infrastructure, the universality of rideshare and TNCs, and the rise of micro-mobility to address first and last-mile solutions, our approach to the task remains the same: individual vehicles moving people from A to B.

With more active populations and more movement, traditional mobility infrastructures are pushed to their limits, and optimizing existing paradigms do not make the cut.

We need to re-think the mobility framework and make it safer, more environmentally respectful, healthier, and socially engaging.

We still require a significant shift in transportation that goes beyond technical advances and focuses on people's experience and quality of life, and we, as urban planners, must direct it.





(TRANSIT ORIENTED) MIXED-USE DEVELOPMENT

As we wade through a rapidly shifting context, we must advocate for a new land-use relationship with mobility. Mobility and land use are intertwined and attempting to optimize one without addressing the other misses the point. If people keep moving further from where they work or shop, no matter how efficient the transportation infrastructure is, we will always reach a congestion point.



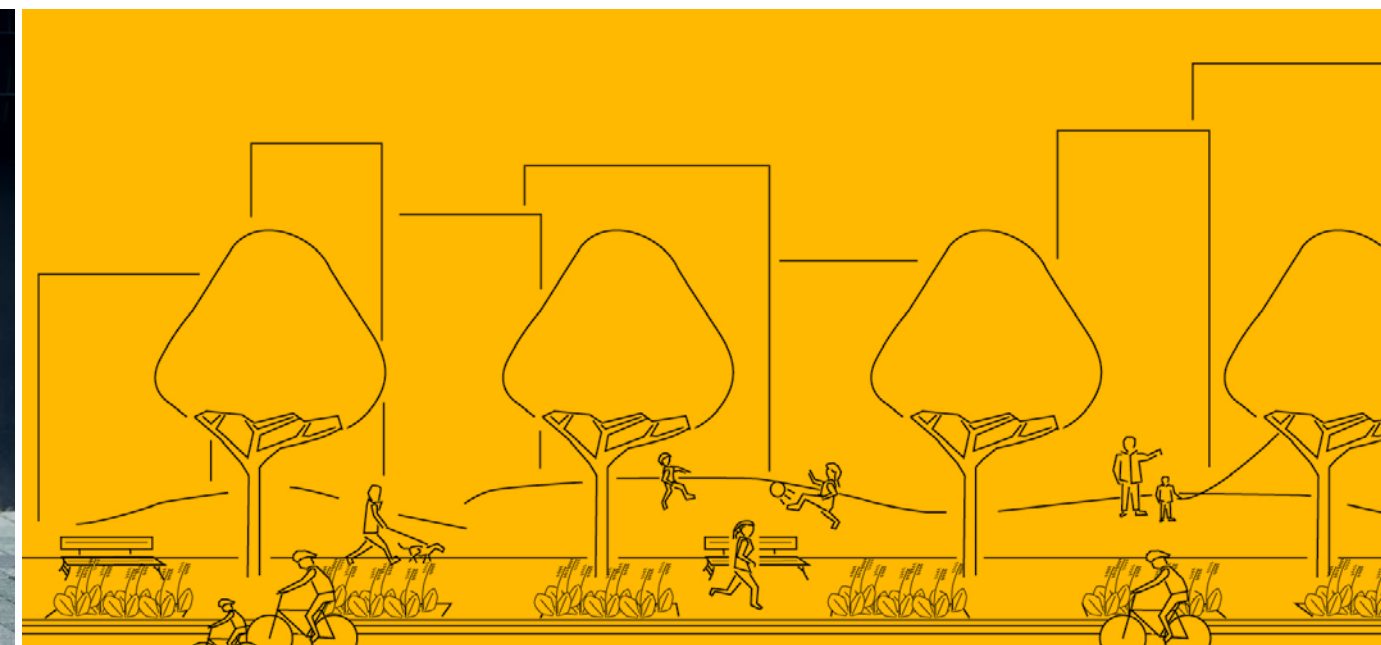
HEALTH AND WALKABILITY

Multiple physical health conditions are connected with sedentary ways of living while mental health and social engagement seem to be intrinsically related. Creating more walkable environments in our cities that are also welcoming, and spur social interaction does not only help to reduce car congestion but also improve quality of life and wellness.



STREETScape RECONFIGURATION

Our streets have been focused on solving the car's needs for too long. We need to re-think their configuration to put people first and create a flexible resilient street infrastructure that can adapt to rapidly changing needs and temporary emergencies. Complete streets, naked streets, and advanced curbside management should become our basic repertoire, instead of desired exceptions.



A Terminal As An Epicenter of Urban Life.



New York, NY

PORT AUTHORITY BUS TERMINAL

Driven by a purposeful, results-oriented design vision and regional compatibility, CRTKL and Arcadis's shortlisted submission for the Port Authority of New York and New Jersey's Bus Terminal design competition outlines a comprehensive plan for sustainable, tech-savvy and efficient transit for the largest bus terminal in the United States and the busiest in the world.

The goal was to design a structurally and operationally upgraded and expanded terminal on a new site while improving connectivity and efficiency to accommodate a projected 50% increase in forecasted passenger demand by 2040. Additionally, the intention was also to minimize the acquisition of private real estate by designing within a small footprint on Port-Authority owned land. This strategy minimized construction time and cost, enabling continuous operation during construction and freeing up other valuable land for outside investment.

The proposal aims to:

- Exceed capacity for 2040 projected passenger demand by 20% upon opening
- Increase revenue streams made possible through 190,000 SF of retail space, potential for naming rights, transit fees and operating revenue
- Reduce bus congestion and Improved pedestrian connectivity by way of protected walkways and an elevated, car-free plaza at the main entrance
- Restore street network and preserved neighborhood character
- Meet LEED Gold standards through natural ventilation and lighting, green roof, fuel cell combined heat and power system and small footprint



**Sustainable, Tech-Savvy
& Efficient Transit**

Combining Transit and Creative Industry as Catalysts for Growth



Las Vegas, NV

VISION 2045 DOWNTOWN LAS VEGAS MASTER PLAN

Rooted in findings from extensive public engagement—including stakeholder interviews, numerous outreach events and an interactive website—the Vision 2045 Master Plan addresses significant physical and social challenges facing downtown Las Vegas while charting a course for growth and redevelopment over the next three decades.

Goals include expanding the economic base and targeting emerging industries, and the plan consists of five key objectives:

1. Centers of Excellence
2. Mixed-Use Hubs
3. Streets for People
4. A Greener Downtown
5. Expedited Implementation

A series of ten mixed-use hubs are linked with public transit and a layered street network that accommodates multiple modes of transportation.



RESULTS

- DeBoer Award for Outstanding Plan, APA, Nevada Chapter, 2016
- DTLV Form-Based Code (FBC) was adopted and offers regulations and standards for 12 downtown Districts to improve neighborhood quality and strengthen district character
- Downtown's autonomous shuttle (a partnership with Navya, Keolis and AAA) starts operation on public streets since 2017 and has transported tens of thousands of passengers



Target Diversified Economy In The Valley

BEFORE



AFTER



First cycle track implemented in Honolulu, 2015

Images courtesy Department of Planning and Permitting, City of Honolulu

Honolulu, HI

ALA MOANA NEIGHBORHOOD TOD PLAN

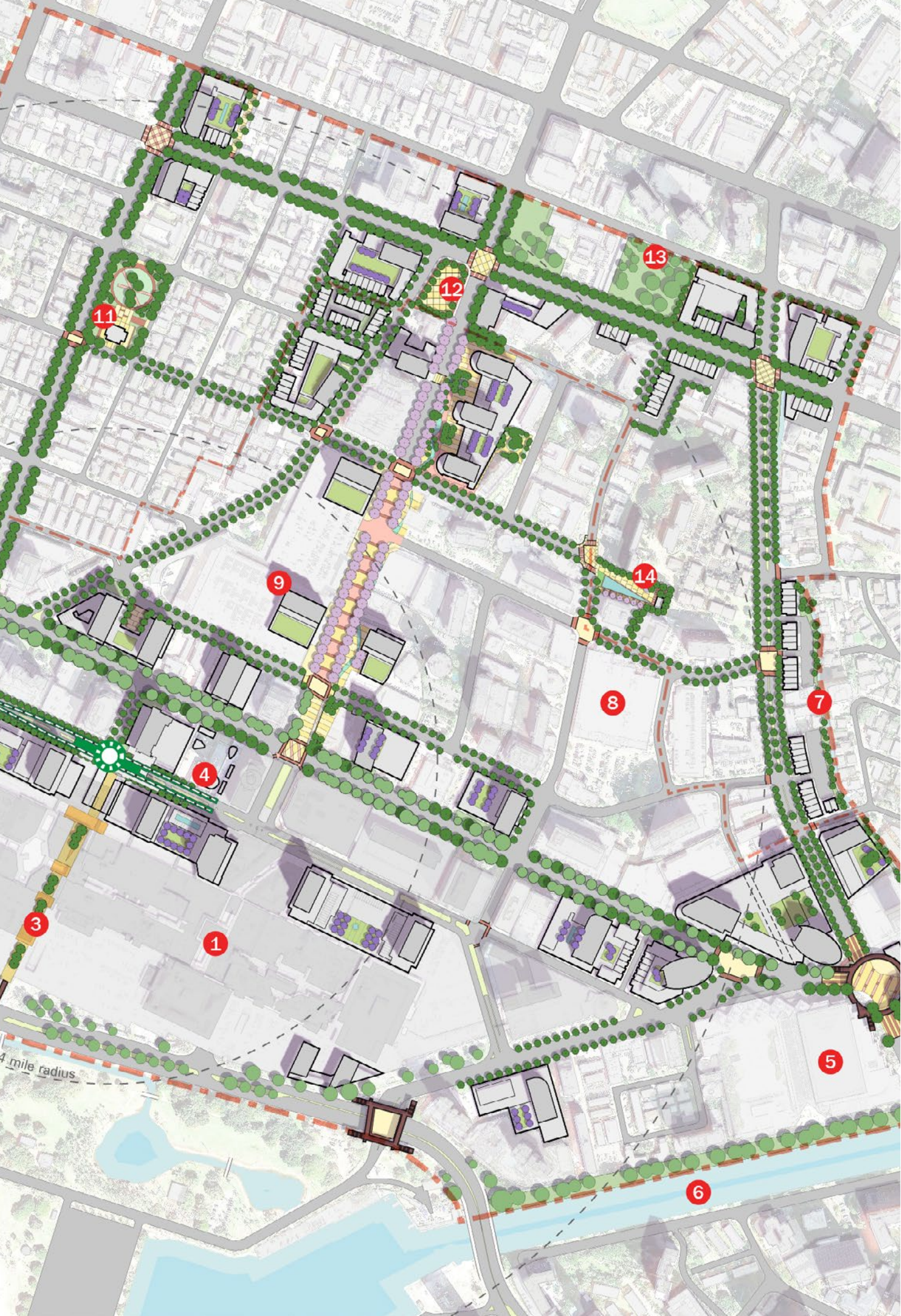


One of a series of neighborhood plans prepared in conjunction with the Honolulu Area Rail Transit (HART) project, the Ala Moana Neighborhood TOD Plan draws on findings from extensive research and responds to the area's unique setting, history and culture to serve as a guide for public and private investment.

The Ala Moana station will serve as the eastern terminus of Phase Two of HART, and the plan increases FAR and height limits accordingly to promote infill and redevelopment opportunities for underutilized commercial properties. Great care was taken to reinforce neighborhood character, protect highly valued “maukamakai” view corridors and preserve existing housing while adding to the affordable housing stock and enhancing the public realm.

RESULTS

- 2015 Urban Design Award, APA Hawaii Chapter
- 8-million GSF of development entitled
- A dozen permitted projects within the study area since the plan was adopted
- 36-story luxury high-rise convention hotel under construction as the first built under the city's new permitting process, allowing flexible parking and fulfilling open space requirements mandated by community benefits agreements



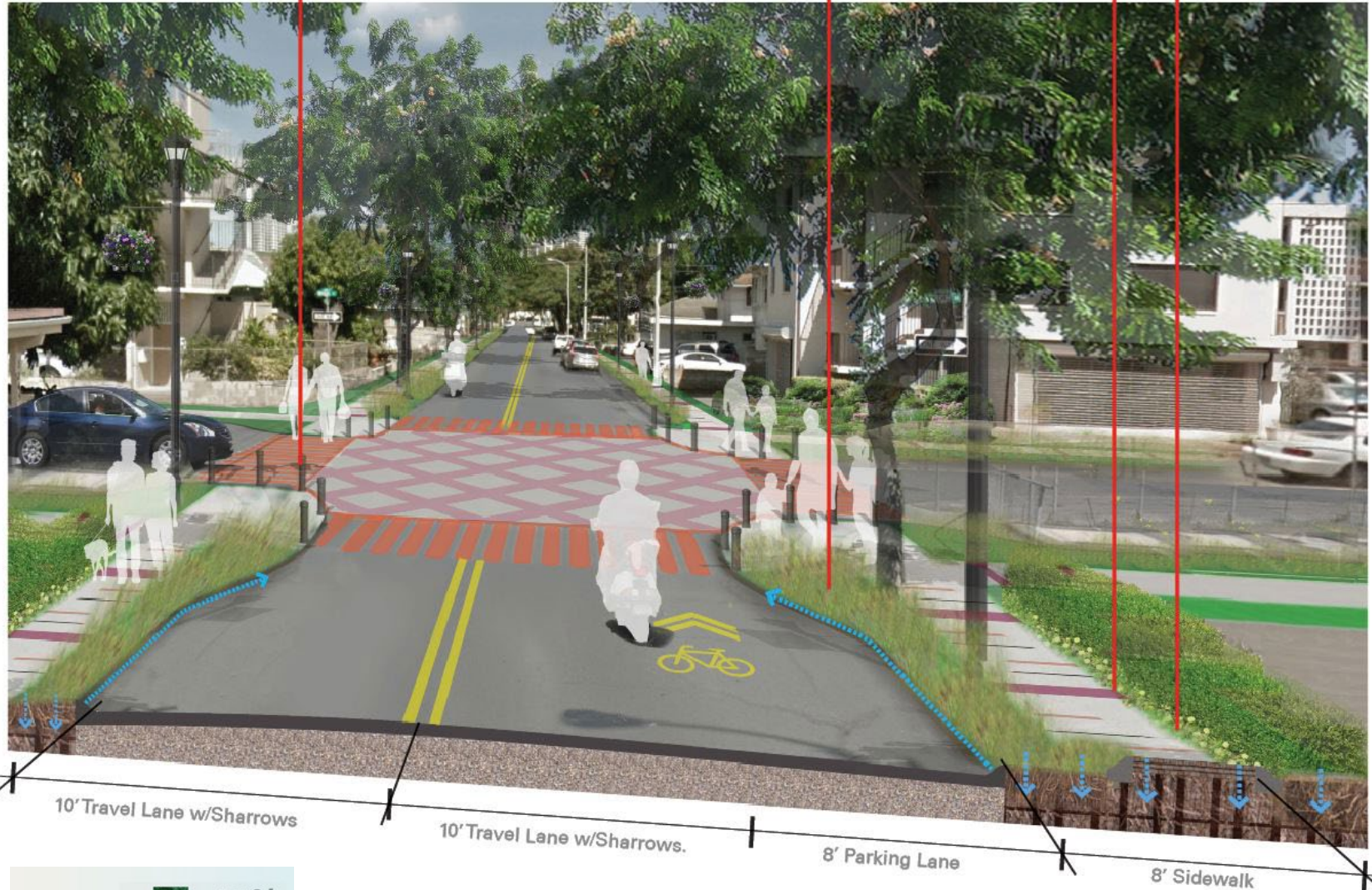
INTRODUCE GREEN INFRASTRUCTURE ALONG MULTIMODAL STREETS

CROSSWALKS WITH PERVIOUS SECTIONS 1

STREET TREES WITH PLANTED TRENCH 2

PERVIOUS PAVING STRIPS IN SIDEWALK 3

RAIN GARDEN PLANTER STRIP 4



Nitrogen	↓ 40%
Phosphorus	↓ 50%
Suspended Solids	↓ 60%

SHIFT TOWARDS REPOSITIONING

The unconventional realities of a post-COVID-19 world sets the stage for urban evolution. We are in a renaissance, where landscape and development are seen as catalysts for success. This is a moment where recreating and weaving into the urban fabric is celebrated and welcome. A moment where the typical is being replaced by the unexpected. We are morphing into a period where uses and industries are being simplified and repositioned, and where the versatility of phased strategies are critical to the evolving success of cities.



THE UNEXPECTED CATALYSTS

The repositioning of underutilized developments can create a positive domino effect that paves the way for successful urban interventions. Repositioning creates opportunities for planning and design gestures that begin to blur boundaries, enhance connections, respect context and nature, build resilience, regenerate ecosystems, embrace the arts, and establish a sense of place.



THE SUBURBAN DEMAND

Domestic migration into suburban metros has tripled in the past five years while urbanity has grown to be seen as a destination. Suburbanites are beginning to demand density, access, rentals, and blended experiences. This urban revival has sparked the suburbs to begin repositioning themselves in such a manner that amenitizes elements previously associated with downtown living.



REVISIONING THE MALL

The 20th century shopping model - exemplified by the mall - is slowly becoming irrelevant due to pressures of same day delivery, streaming, and targeted marketing based upon predictive analytics. Developed on now antiquated markets and infrastructure that pulled retail from downtowns and, in the process, destroyed the social fabric of neighboring towns. The mall is falling behind the desire to re-create this social experience that was destroyed at its inception.

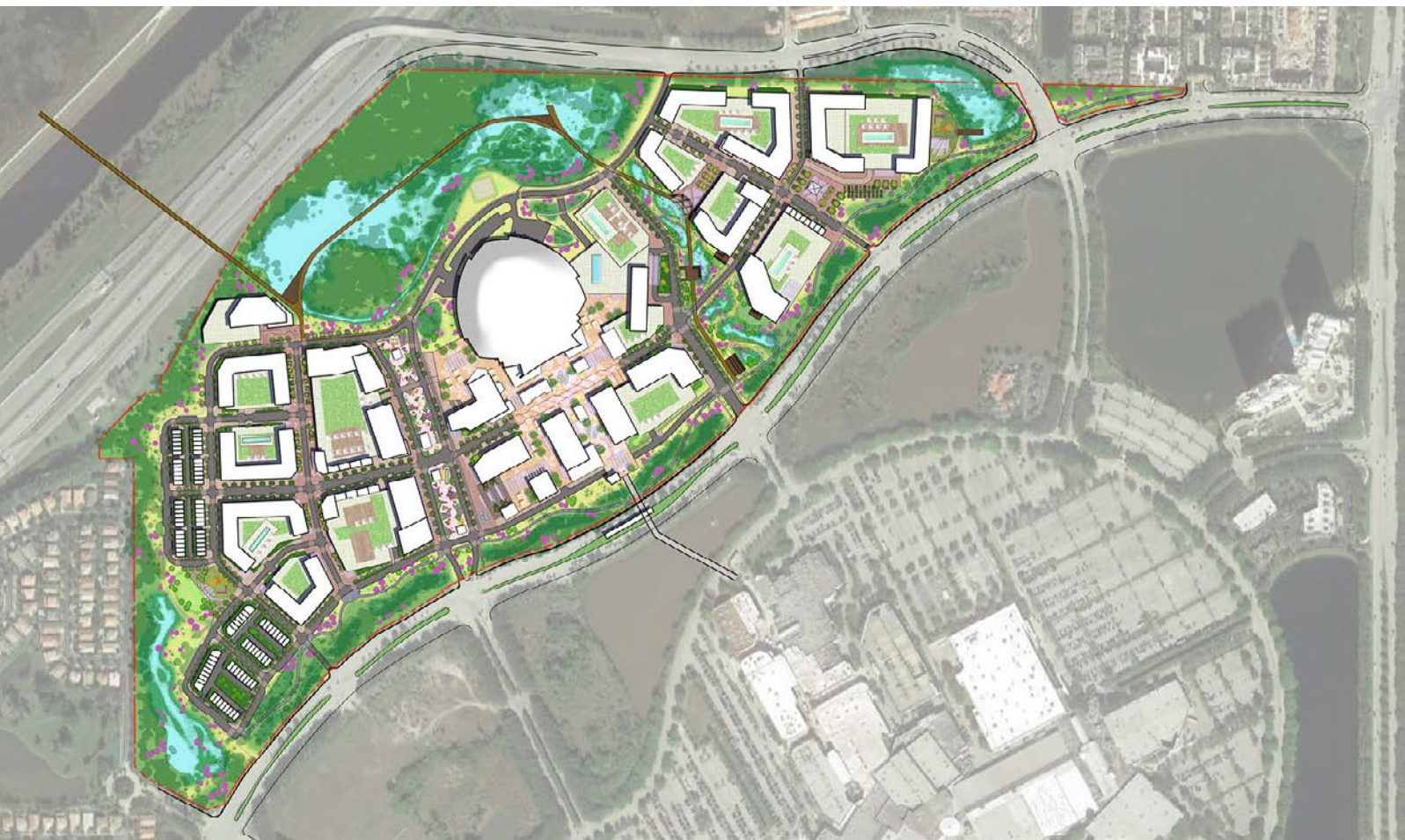


ASK US MORE ABOUT OUR RESEARCH TOPICS

- Suburban Demand
- Mall of The Future



An Active & Lively Mixed-Use District



Broward County, FL

BB&T CENTER PROPERTY MASTER PLAN

Broward County in South Florida wants to transform the underutilized surface parking areas around the existing BB&T Center arena, home to the NHL's Florida Panthers, into an active and lively mixed-use district. The planning and urban design team focused on bringing the landscape of the Everglades, situated just west of the arena, into the site and capitalizing on views of this unique environment to add value to residential, office, and hospitality uses. These open spaces serve the dual functions of creating engaging spaces for a variety of activities, while also managing stormwater in a natural and sustainable way. The larger open spaces are planted with native species to provide a wildlife habitat, building a harmonious relationship between the development and the nearby Everglades sanctuary.

Services

- Urban Planning & Design
- Resiliency
- Sustainability
- Meet LEED Gold standards through natural ventilation and lighting, green roof, fuel cell combined heat and power system and small footprint

SHIFT INTO URBAN RESILIENCE

To withstand future natural and human-made disasters, adapt to climate change and become more resilient, cities need to invest in upgrades of critical infrastructure - including housing, transit, water, energy, healthcare and access to the internet, and in the protection of natural assets and reduction of our carbon footprint.

The short term priority is economic recovery. The mid-and long-term priorities are sustainable growth and opportunity for all.

This includes:

- **Diversification of the economic base,**
- **Job creation and well-paying jobs,**
- **Attraction and retention of talent,**
- **Affordable housing options,**
- **Access to education,**
- **Health care and home ownership,**
- **Transit and alternative modes of transportation and environmental protection.**

CRTKL can help clients chart a sustainable path forward.





ADAPTING TO CLIMATE CHANGE

As the most recent natural disasters (e.g. wild fires, floods, extreme weather events, earthquakes etc.) have reminded us, our natural and urban environments are incredibly vulnerable. To protect communities while fostering economic development, guiding future growth, providing new parks, housing, transit and recreation and restoring natural habitats, a comprehensive approach to resiliency is vital.



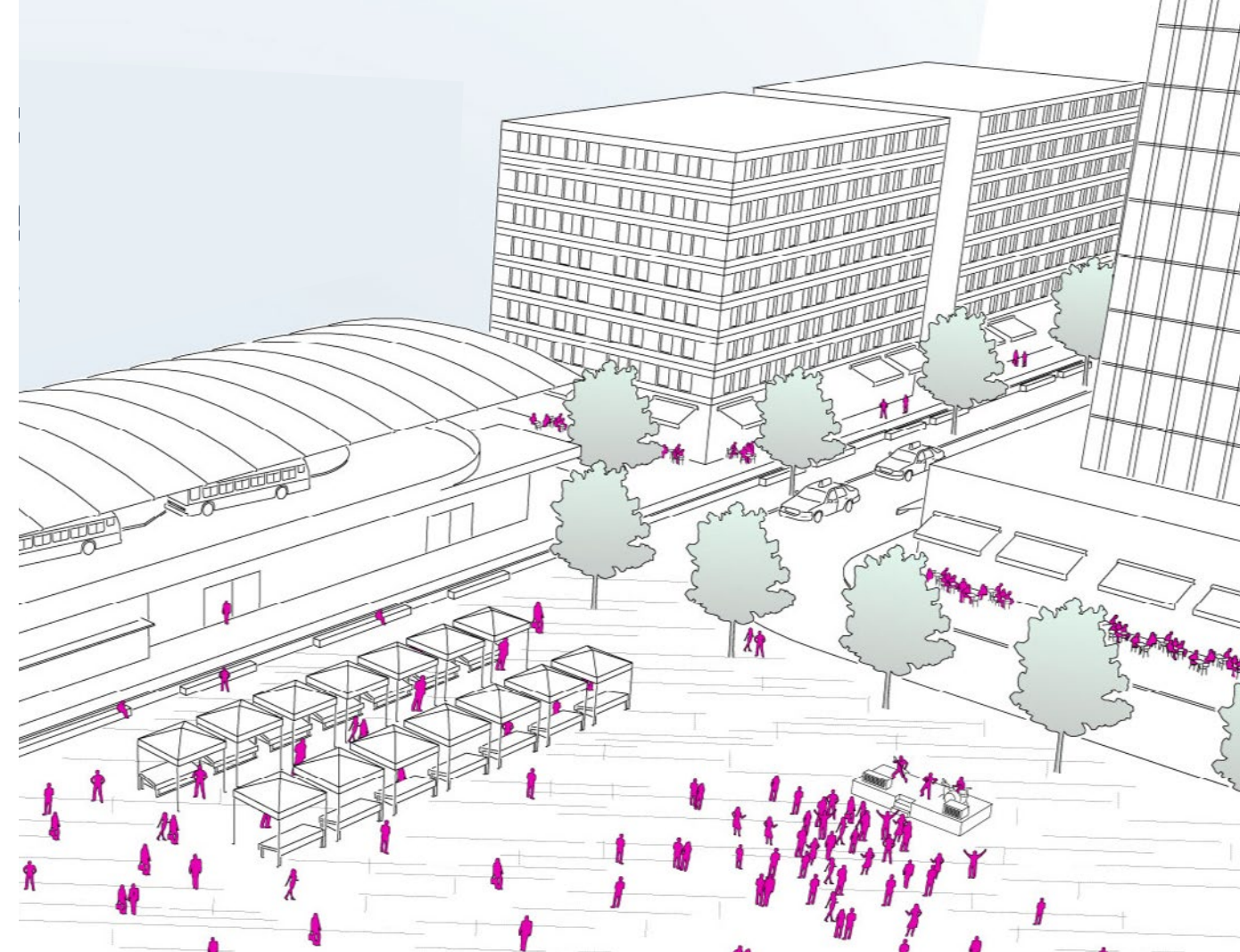
PROTECTING AGAINST RISING SEA LEVELS

Studies have shown that ocean levels are expected to continue growing. Cities across the country will experience chronic flooding and many buildings and their occupants will suffer the consequences of this shift. Protection plans and pilot programs will need to set the stage or resiliency planning to ultimately mitigate the threat of flooding.

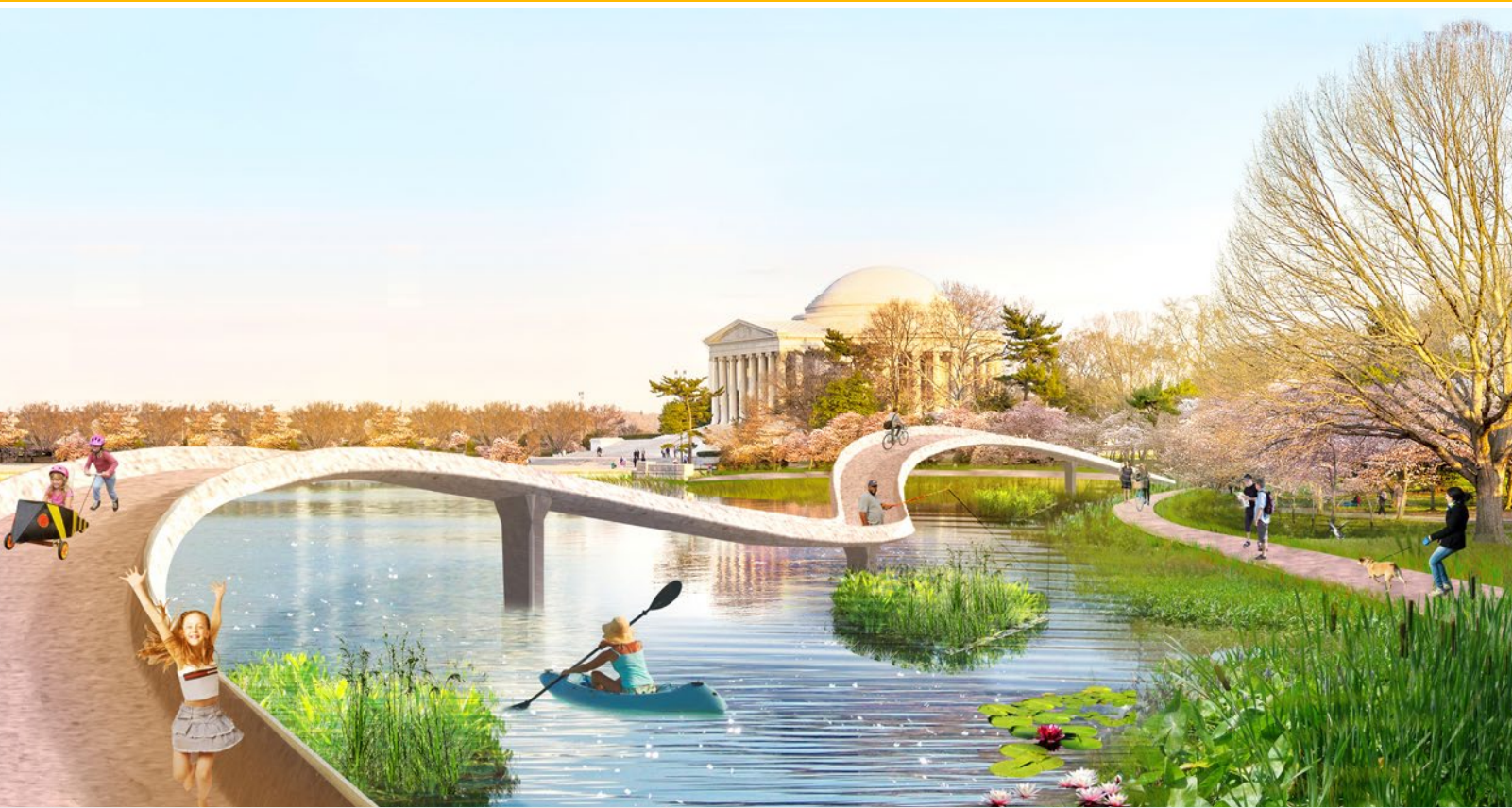


SMART & SUSTAINABLE THINKING

The future of cities and companies is the ability to attract the future talent to drive innovation and engines of prosperity for the citizens of a community and the environment. With the development of a Smart City branded urban development, it will be critical to create not just a smart city, but it must also become a smart place that can solve problems, take advantage of opportunities, and reach environmental goals.



Re-Framing Climate Change As An Exciting Challenge



Washington, DC

BLUE CURRENT DC

Blue Current DC was completed in the Summer of 2016 in response to a competition calling for strategies to protect the tidal basin in Washington DC from flooding associated with climate change. The monuments and parks that make up the national mall are vulnerable to storm surge, sea level rise, and flooding from stormwater runoff, but these areas also contains many of our Nation's treasures. Blue Current DC is a holistic solution comprised of a series of linked strategies that combat climate change and improve the landscape. The design protects along the water's edge, collects stormwater within the site, directs floodwater away from the system toward the natural water bodies, and most importantly, connects people to their environment. A large-diameter stormwater pipe, within a flood protection berm, makes up its backbone, winding through the site as a highly visible piece of conveyance infrastructure, providing a base for a bike path along its top. Through its course, the Blue Current takes several forms to address location-specific flood threats, adapting to the existing landscape while bringing additional benefits to the city. The resilient path provides a new route and a new perspective for visitors to the tidal basin. Wetland plants and a naturalized edge provide filtration and enhance the water quality of the Potomac during wet and dry conditions.

RESULTS

- Selected as Winning Competition Entry
- Potomac ASLA's Highest Design Honor in 2017 the President's Award

Re-Envisioning The Waterfront: A Comprehensive Vision



East Providence, RI

EAST PROVIDENCE HARBORFRONT

Major property owners of the southern waterfront in East Providence have taken the initiative to develop a comprehensive vision to guide future development of 155 acres of mostly vacant and underutilized land. In 2016 CallisonRTKL was hired to create a vision to guide the future of the site. The Vision responds to community goals and needs, and helps align public and private investment to maximize fiscal impact and broaden the local tax revenue base. The site, though it has great potential and sweeping views toward downtown Providence, also has a lot of constraints. The land is composed mostly of fill, with degraded soils left from industrial activity. A dramatic elevation change from the adjacent neighborhood makes connecting to the existing communities a challenge. Also, due to the low elevation, the waterfront properties are prone to flooding creating a need for resilient solutions incorporated into any new development. These challenges and corresponding solutions were documented as a framework for the benefit of property owners and the community alike.

The outcome of the vision was a collection of ideas and examples to illustrate the potential of the site for future development. Using an illustrative drawing as a comprehensive overview of site opportunities, the team was able to summarize the public benefits the vision could provide. By illustrating the entire waterfront, the public and the property owners have a foundation on which to build consensus and begin moving toward implementation.

SERVICES

- Urban Planning & Design
- Resiliency

A unique collaboration with the City and Port of San Francisco, SPUR and the San Francisco Giants Baseball Club.



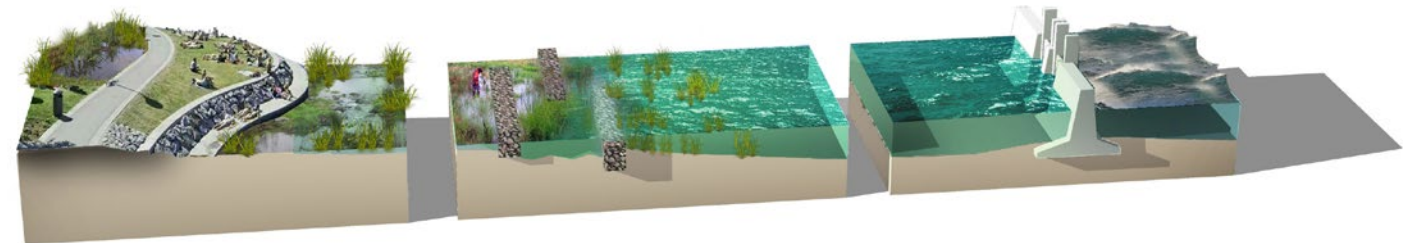
San Francisco, CA

MISSION CREEK ADAPTATION STUDY

In the midst of a transformation from an industrial hub to a vibrant mixed-use district, Mission Creek's vulnerability to sea level rise was cause for concern in the larger conversation about flood risks and threats to San Francisco's waterfront. This study was an international collaboration among experts and local stakeholders with the goal of mitigating harm and promoting resilient development that responds to the city's evolving urban context.

Integrated sea walls, storm water management techniques, green infrastructure and open space and flood protection measures help to ensure long-term outcomes and provide a strong foundation for continued efforts to share research, map existing and projected flood conditions and develop resilient planning alternatives and shoreline protection strategies.

MITIGATION LAYERING



INNER LAYER
Watershed Management
and Public Amenities

MIDDLE LAYER
Living Breakwaters
and Wetland Buffers

OUTER LAYER
Hard Infrastructure
for Critical Risks

RESULTS

- Downtown San Francisco Ferry Terminal Expansion Project, aimed at redesigning the waterfront to endure sea level rise through 2065
- Mission Rock, a mixed-use development undertaken by the San Francisco Giants, will utilize a strategy of Dutch horizontal levees to adapt to sea level rise - park and trail land is located at a lower grade closest to shoreline while all occupied spaces are set back and gradually raised 5.5 feet (meeting 2100 forecasts)
- Citywide Sea Level Rise Adaptation Plans published



“We brought together city agencies, developers and designers with Dutch officials to identify concepts for the lowest-lying areas along the waterfront. We have a unique opportunity to demonstrate what a truly sustainable city and region might look like. I am excited about the next steps for these projects.”

Laura Tam, San Francisco Bay Area Planning and Urban Research Association (SPUR)

Expanding Economic Opportunity in the Community



Peachtree Corners, GA

CITY OF PEACHTREE CORNERS INNOVATION CORRIDOR MASTER PLAN



The City of Peachtree Corners Innovation Hub master plan provides concepts and strategies that will transform auto-oriented, single-use suburban zones into an innovative mixed-use center that expands community economic opportunity. Working with community leaders and stakeholders, CRTKL and MXD identified important development strategies and opportunity sites, including a continuous loop route linking proposed development nodes; multimodal connections between those nodes; a network of trails and parks serving the entire community; and appropriate land use transitions that integrate and link surrounding residential neighborhoods. The CRTKL and MXD team proposed two intensified “gateway hubs” along Peachtree Parkway, the major arterial that currently divides the community, infilling a vital mixture of technical and creative office, support retail, residential, hospitality and civic uses.

BLOCK LAND USE DEVELOPMENT



RESULTS

- 2018 APA Georgia Chapter Outstanding Initiative Award
- Key initiatives in the Master Plan have been incorporated in the City’s
- 5-year economic development plan (2017-2022).

An aerial photograph of a park area. On the left, a paved walkway with a grid pattern leads to a stone bench where several people are sitting. To the right of the bench is a large, dense tree. The background shows more trees and a paved area. The image is overlaid with a semi-transparent yellow and grey filter.

SHIFT IN SHARED SPACE

In addition to parks and plazas, streetscapes are part of the connective tissue that make up the urban fabric.

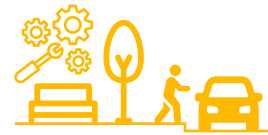
As cities envision streetscapes as shared space as opposed to regulated and monitored space, they need to consider maintenance and operations as well. Instead of the myriad of agencies that regulate, manage, and oversee our streetscapes, establish one entity with the mandate to prioritize pedestrians.

CRTKL can help clients envision a flexible, multi-purpose public realm while maintain public space that is public, for everyone.



CURATING THE PUBLIC REALM

New technology has found its way into the public realm. From digital wayfinding, WiFi kiosks, electric vehicle (EV) charging stations, solar-powered trash compactors and to phone chargers. Next, sensors imbedded in pavement that will manage street lighting and pedestrian signal timing settings.



MANAGING THE CURB

One area that would clearly benefit from the application of new technology is curbside management. With more purchasing on-line and deliveries and ride sharing, curb space is becoming more valuable and competes with parking, loading, and unloading.



VALUING THE OUTDOORS

To maintain social distancing, shops and restaurants allow fewer people indoors and service customers at the curb. Diners gathered around tables on sidewalks and streets are now a regular feature of neighborhoods. Given the success, this is likely to change the look and feel of cities for years to come.

DESIGNING FOR SHARED SPACE



Envision a fluid relationship between outdoor and indoor space



Rethink the relationship between new technology and urban space



Connect publicly accessible spaces vertically, below, and above grade



Develop a building typology with ground floor flexibility.



A True Community Gathering Environment.



Dallas, TX

THANKS-GIVING SQUARE

Thanks-Giving Square was established as the world's center of Gratitude. Over the past decade, Downtown Dallas has experienced a rapid growth in residents, testing the meaning of existing public spaces as true community gathering environments. As many of us have witnessed over the years, there remains an intrigue in Thanks-Giving Square as well as a confusion to what it means in the current Dallas landscape.

CRTKL's core concept seeks to return the interior of the project to Johnson's original intent; a contemplative, universal space free of the visual and experiential noise of the city. The perimeter of the site was driven by the Foundation's desire to craft an outreach that is just as much about the Act of Giving as much as Contemplation. The outcome stitches Thanks-Giving Square together with the city physically and experientially, addressing the edges as new threshold of public spaces that serve as cues for the Foundation to interface with the community. A new visitors center/overlook along Pacific Avenue and a Pavilion on the western edge connect the public to the Dallas Tunnel System, envisioned as a network of spaces for non-profit organizations (Roots of Thanks-Giving).

BLOCK LAND USE DEVELOPMENT



ONGOING SERVICES

- Landscape Architecture
- Brand & Identity Design
- Wayfinding Design
- Architecture
- Urban Planning

SHIFT INTO A DIGITAL REALM

Today's digital shift continues to be a paradigmatic change for both cities and the practice of planning, landscape architecture and urban design. It influences the way we conceive cities and public space in two main ways:

- 1) through the rise of data-based decision making, management or design
- 2) through the extensive and rapid deployment of digital infrastructures in the environment





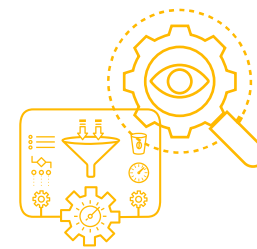
DATA MANAGING AND DATA-DRIVEN DESIGN



Infinite & diverse data availability
(User-generated, sensing technology & publicly available)



Innovative & powerful Computational tools
(ArcGIS, UrbanFootprint, CoStar, Python and Revit)

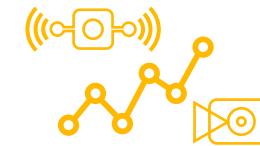


Collect, manage, interpret, analyze, facilitate & advocate



Equitable, reliable & accountable communication & visualization of trends

DIGITAL INFRASTRUCTURE



Real-time sensory data recording



Broadband, Bluetooth and Wifi Infrastructure



Automated transportation operations and management



e-Governance, virtual engagement & digital twin deliverables
(Websites, interactive PDFs, etc.)



WHY US?

WE EMBRACE SHIFTS

We celebrate the complexities of the real world, revolutions in mobility, connectivity, and identity are changing the way we live.

We listen, question, then lead the journey to making the world a better place for everyone.

We have the breadth and depth of our combined resources and access to deeper pools of talent to find the creative spark that comes from collaboration and the exchange of bold ideas.

We have the scale, footprint, technical expertise and collective focus needed to address some of the biggest issues impacting our urban environments and markets today.

MAKE THE SHIFT TO CALLISONRTKL

We see that great design requires real partnership with our clients to bring tangible, far-reaching benefits. It is an essential part of what our clients seek and is critical to shaping high-performing built assets and thriving, sustainable places.

CRTKL

CRTKL.com