

Overview and Orientation

March 26, 2019

Seattle City Hall, Bertha Landes Room



Sam Assefa

OPCD, Director

Meeting Purpose

- Provide study background, overview and orientation
- Establish expectations for collaboration and coordination
- Share study approach and timeline

I-5 LFS Consulting Team







BergerABAM Envirolssues Framework

HR&A Advisors Rule Seven Shiels Obletz Johnsen

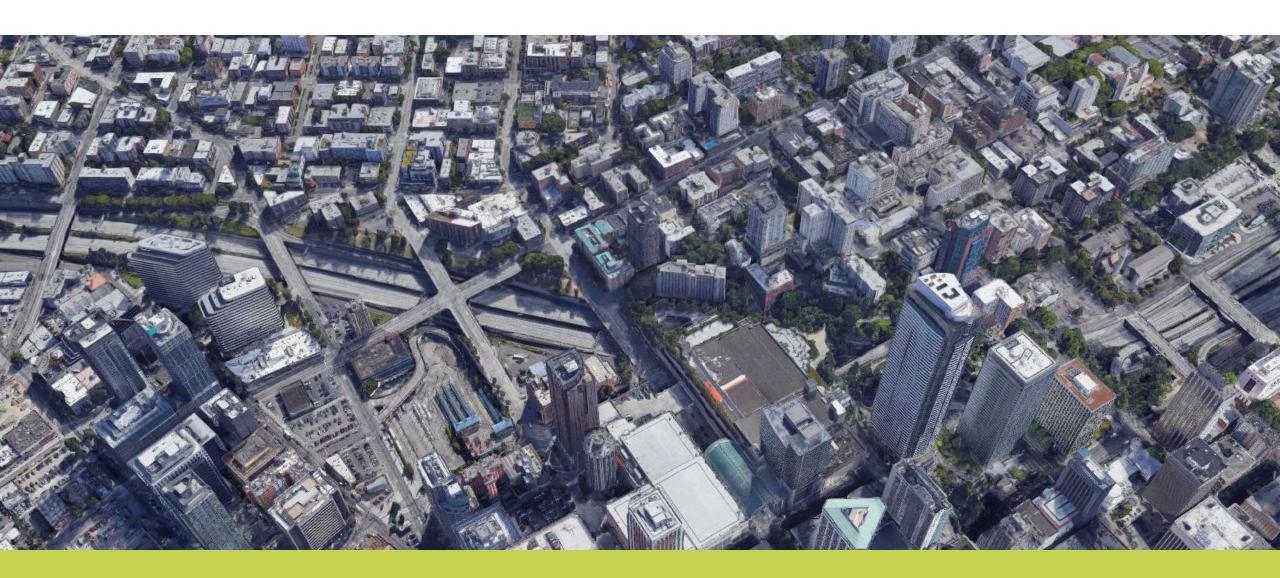




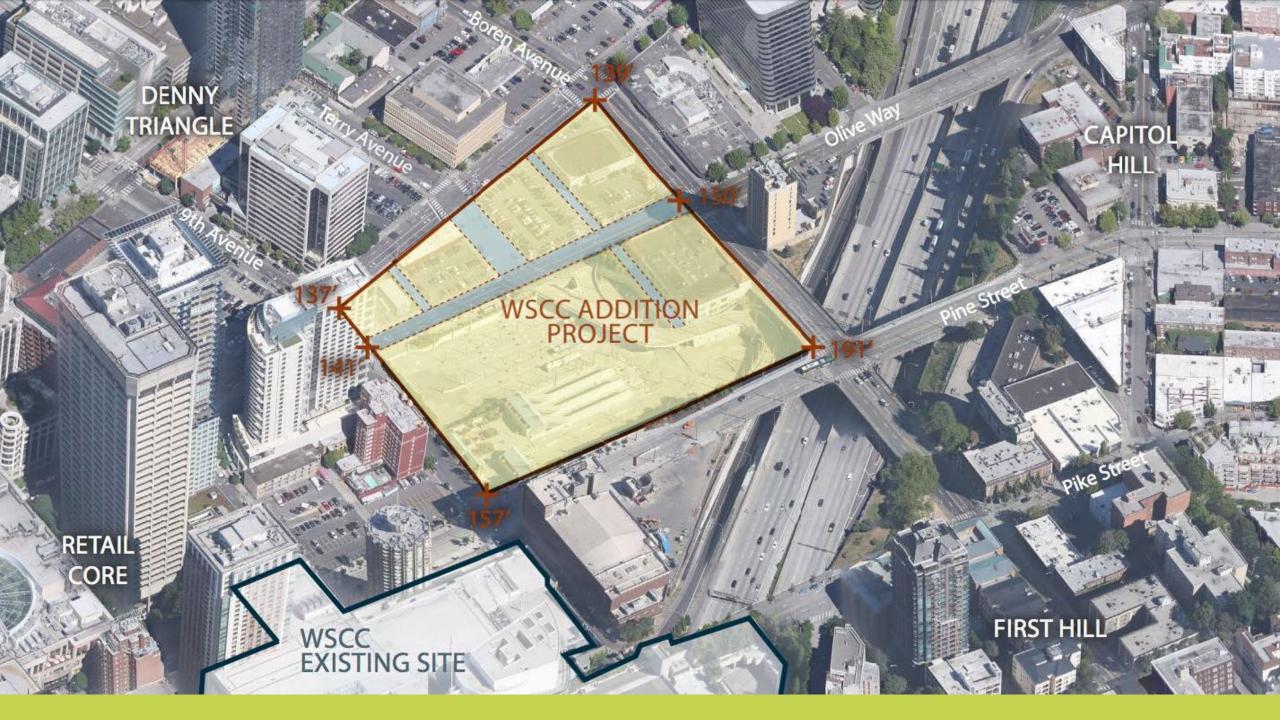


Introductions

Background and History







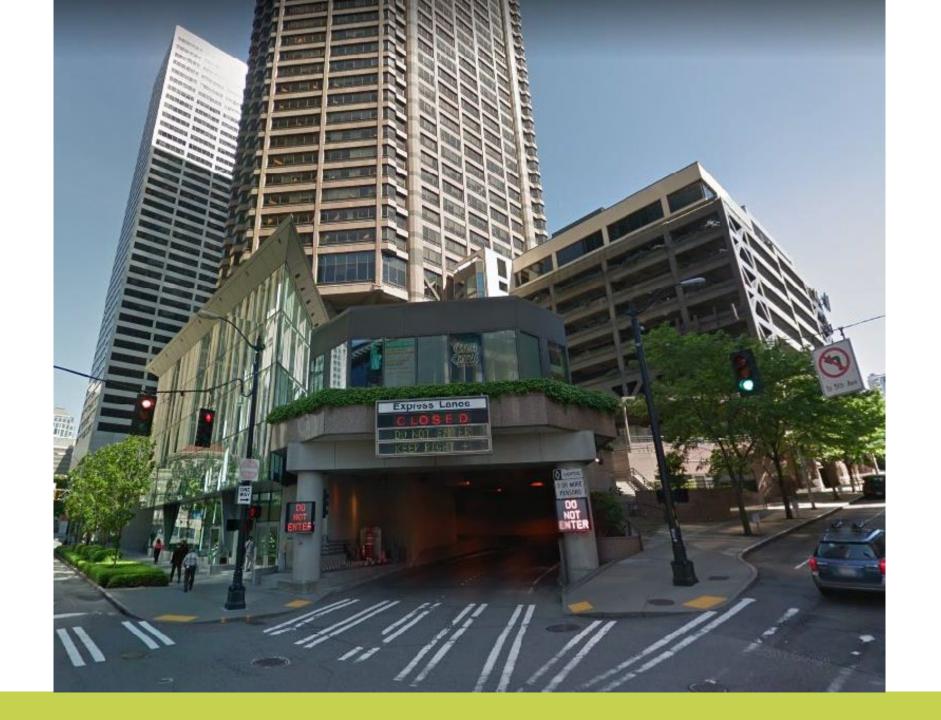


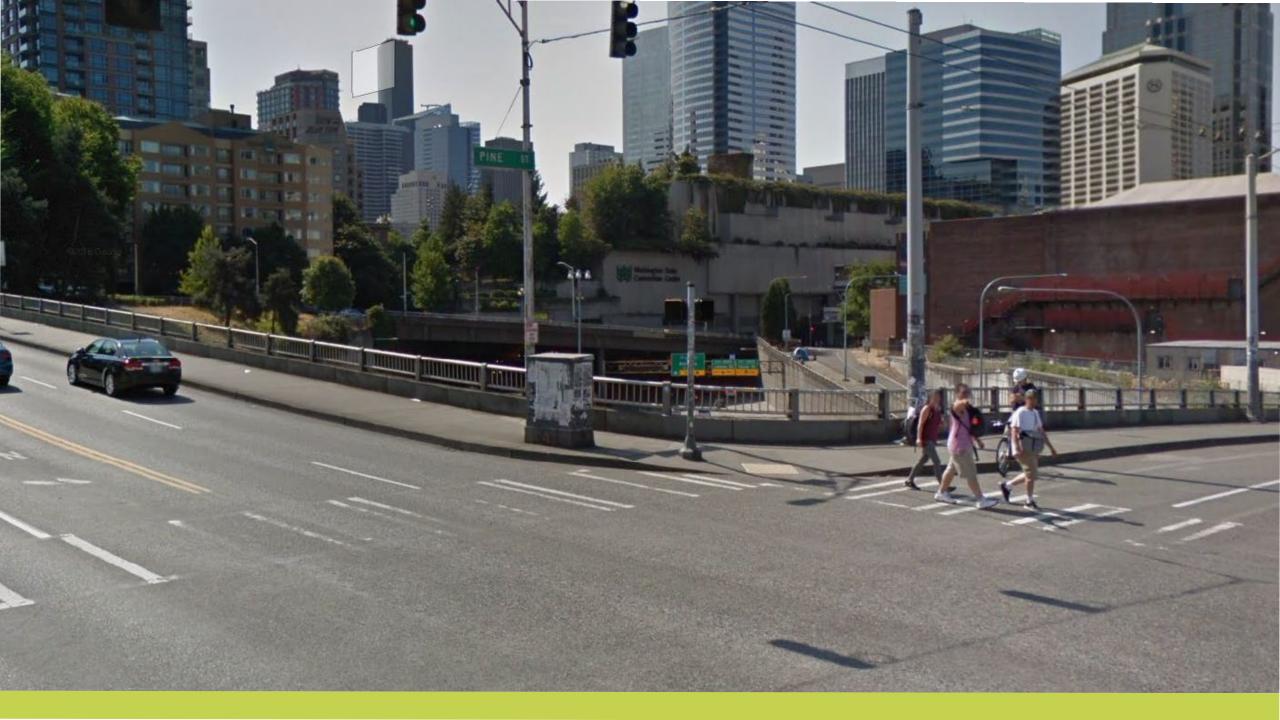












Scott Bonjukian

Lid I-5 Steering Committee



Who We Are

We are volunteer Seattle residents advancing the concept of lidding Interstate 5 citywide to reconnect neighborhoods and expand public land.

Steering Committee

Natalie Bicknell Scott Bonjukian, Co-Chair

Jim Castanes

Cormac Diggins

Liz Dunn

John Feit, Co-Chair

Bruno Lambert

Thomas Pitchford

Sony Purba

Coalition Partners

SEATTLE **PARKS** FOUNDATION

Fiscal Sponsor











Grassroots Civic Engagement









Political Endorsements



Sally Bagshaw
Seattle City Council District 7



Mike O'Brien Seattle City Council District 6



Rob Johnson Seattle City Council District 4



Rep. Nicole Macri Washington District 43

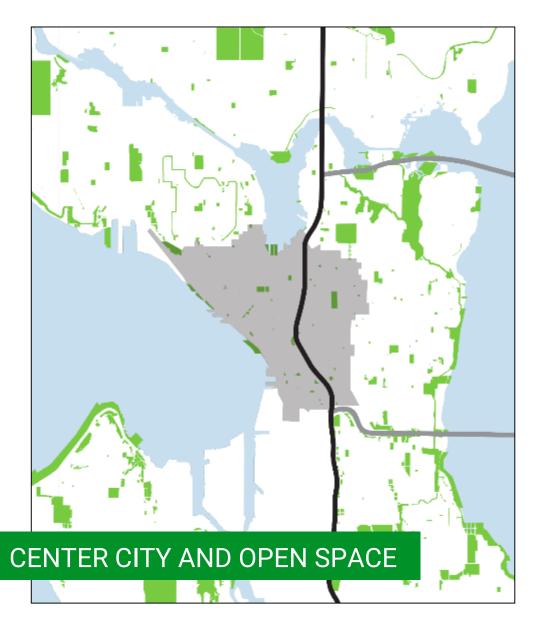


Teresa Mosqueda
Seattle City Council Position 8



Sen. Jamie Pedersen Washington District 43

Challenge: Rapid Growth & Scarce Public Land

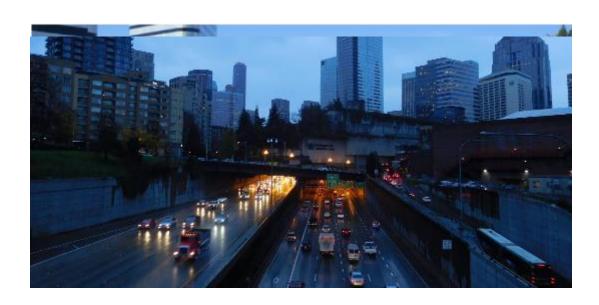


Downtown, Capitol Hill, and First Hill are 3.5% of Seattle's land area and are absorbing **29%** of population growth without similar increases in parks, affordable housing, and schools.

Calculated from OPCD Urban Village Indicators Monitoring Report, 2018



Challenge: Disconnections & Environmental Injustice



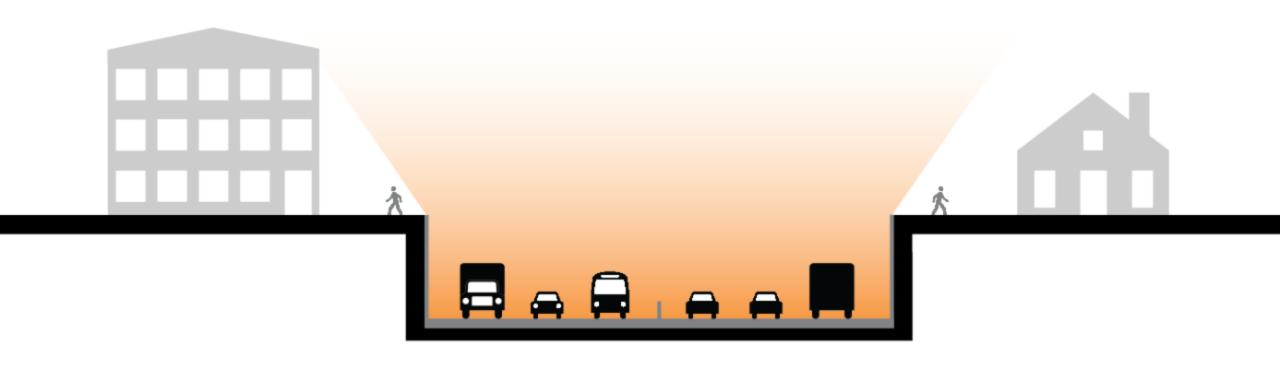


"The drivers of cars and trucks might live in homes far from the highway and may suffer no negative health impacts from the pollution they help create. But city dwellers who live near the highway, and who might walk and take transit more so than they drive, are prone to pollution's effect."

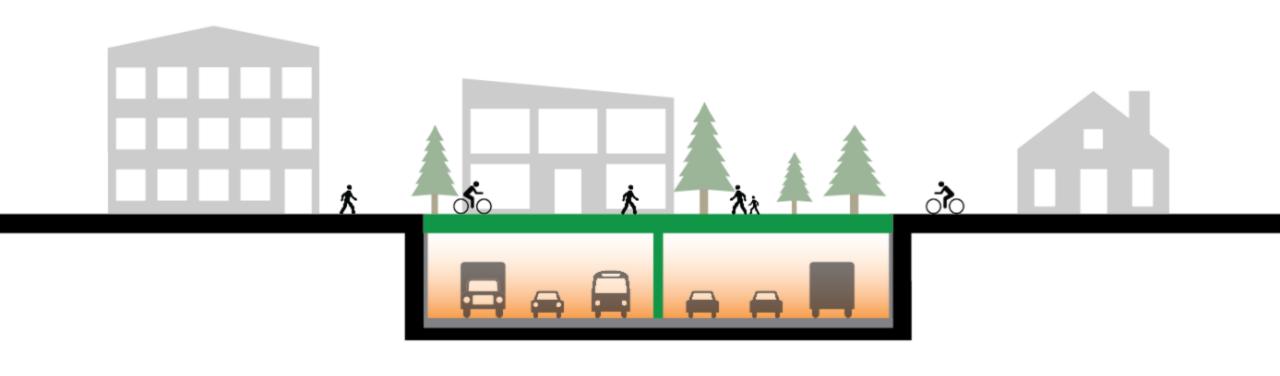
- Darin Givens, ATL Urbanist

600+ AFFORDABLE HOMES NEXT TO I-5

Current Conditions



Win-Win Opportunity



Community Benefits

Parks & Open Space

- Critical breathing room in a dense city
- Play areas for kids, seniors, pets
- Spaces for sports and active recreation
- Public health and economic benefits

Affordable Housing

- New public land where it is needed most
- Proximity to jobs and social services
- Transit-oriented development potential
- Homes for families and low wage workers

Community Facilities

- Multi-purpose community centers
- Downtown elementary and middle schools
- Childcare
- · Public safety and utility infrastructure

Walk/Bike Connections

- Opportunities for restoring the street grid
- Encourage more walking and bicycling
- Integrate with multi-modal trails
- Better connections to transit

Public Health

- Cutting off sights and sounds of traffic
- Opportunity for improved stormwater quality
- Potential to capture or filter air pollutants
- Reduced urban heat island effect

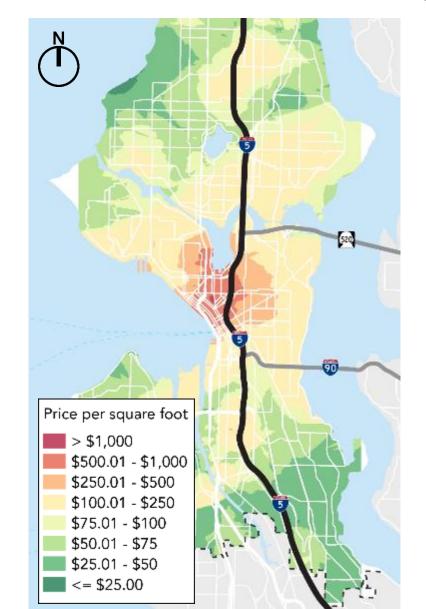
The Arts

- Studios, galleries, performance venues
- Activate new park spaces with programming
- Housing affordable to artists
- Outdoor public art

Why Now?

- » Favorable economics
- » Planning ahead of private interests
- » WSDOT's long term I-5 corridor planning
- » Convention Center Addition

Cost vs. Land Value



- » Building lids is likely cost-competitive with buying private land (if private land was even available)
- » This may facilitate value capture mechanisms and private-public partnerships for funding



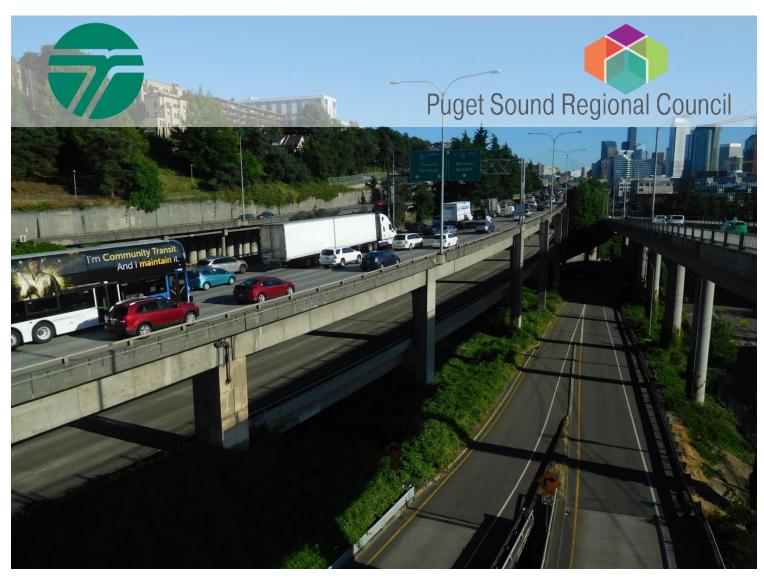
Private Lid Developments





I-5 Systems Partnership



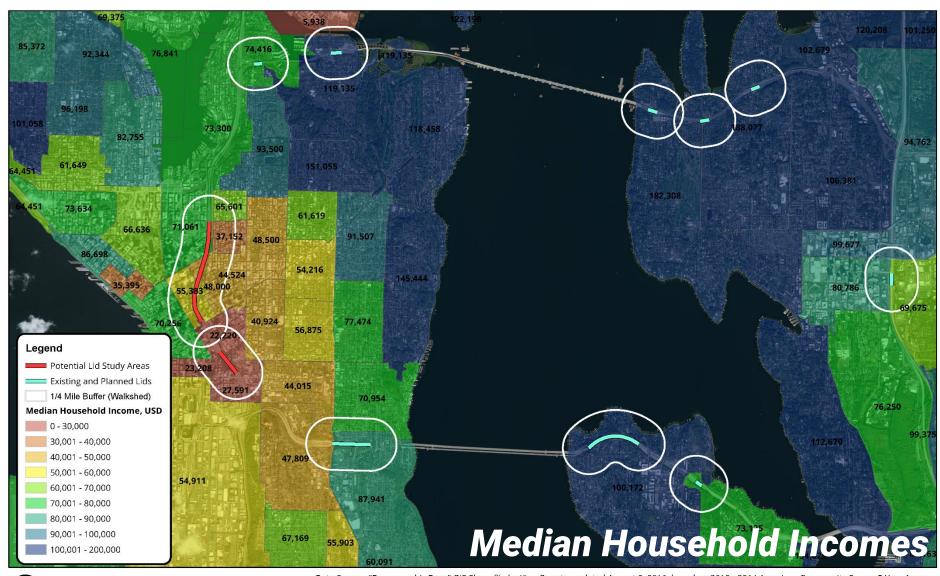


Recent WSDOT Precedents





Equity Considerations



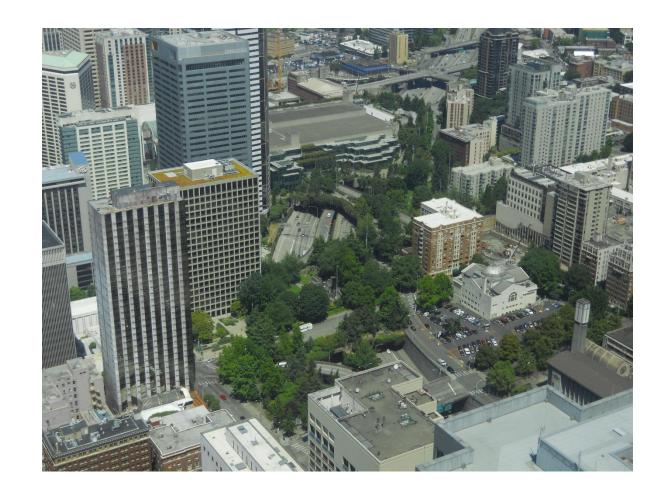


2 Miles

Interstate 5 Footprint

"...in the core of the Puget Sound region I-5 is permanently constrained geometrically as it passes into and through Seattle. That constraint is the architectural limit for freeway expansion in the region."

Puget Sound Regional Council and WSDOT,
 "State Facilities Action Plan", December 2017



Convention Center Addition: Catalyst for Discussion



Community Package Coalition

Lid I-5 Study

\$1.5M

Affordable Housing

Freeway Park Improvements Terry Avenue Promenade

Pike-Pine Protected Bike Lanes

8th Avenue Protected Bike Lane

Olive Way Pedestrian Safety

\$29M

\$10M

\$4.0M

\$10M

\$6.0M

\$0.5M















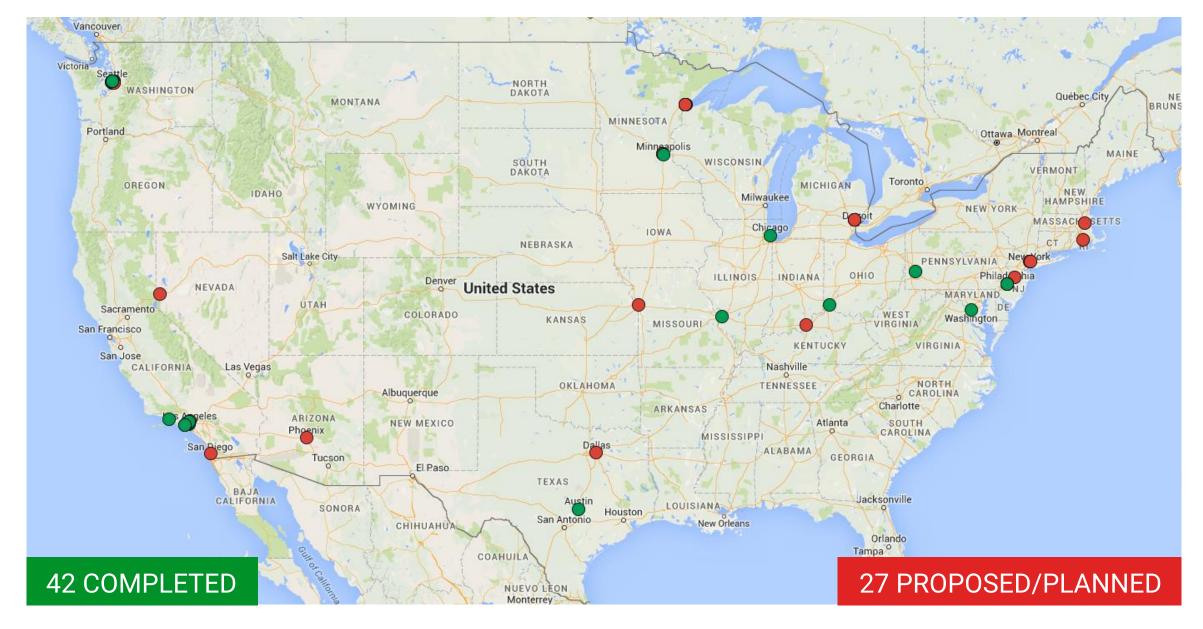






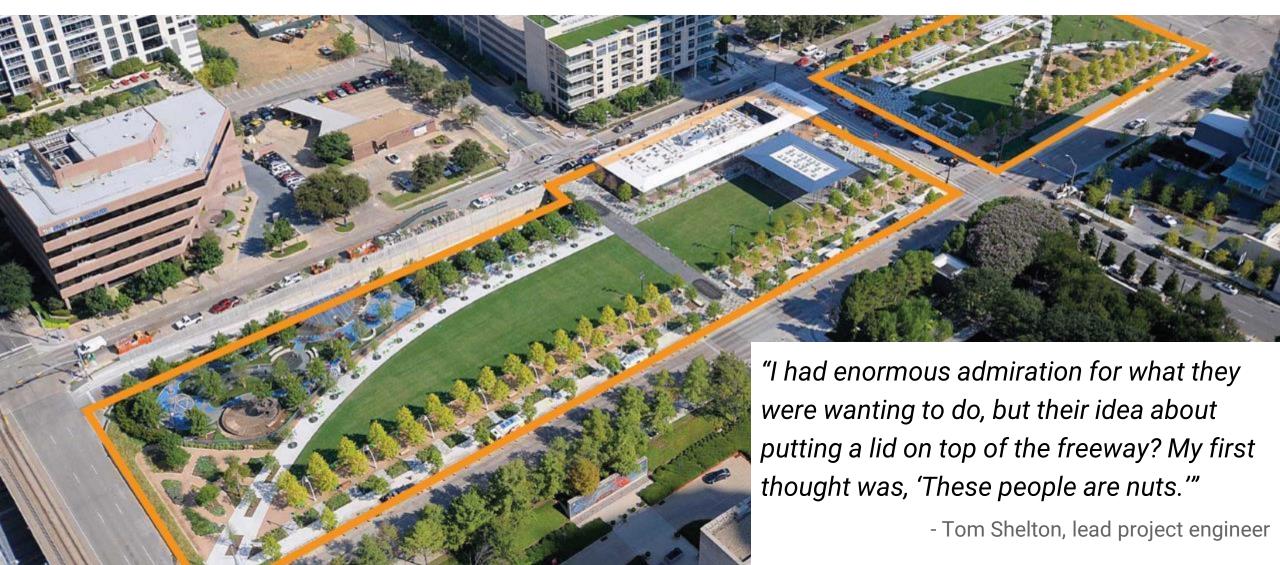


National Trends and Case Studies



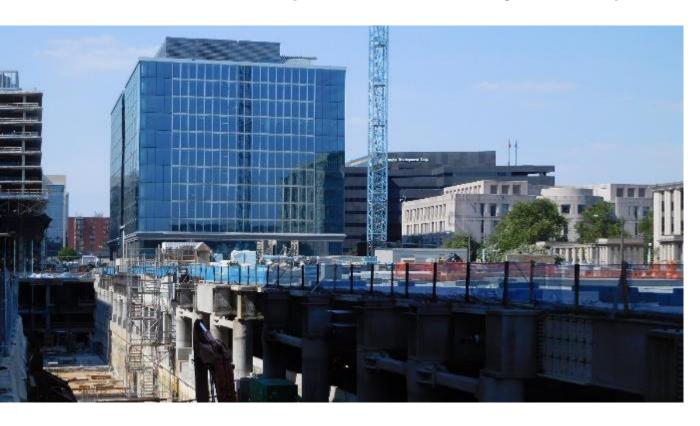
Klyde Warren Park - Dallas (2012)

5.7 acre lid / \$490 per SF / Funding: 48% private, 52% public / Ranked #8 most visitors



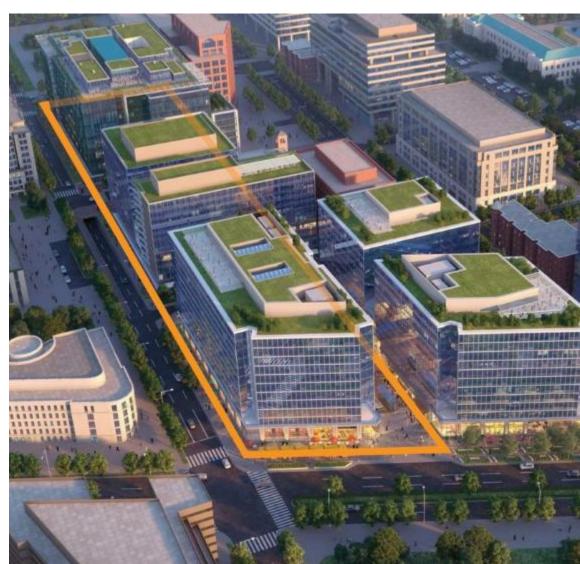
Capitol Crossing - Washington, D.C. (opens 2021)

6.5 acre lid / \$706 per SF / Funding: 100% private / 2.2 million SF office, retail, residential



"It's an urban planning victory to be able to reconnect the city street grid and make a highway disappear."

- Robert Braunohler, Property Group Partners



2018 Central Hills Triangle Collaborative (CHTC)

















Lid I-5 Resources for the Feasibility Study

- » Finger on the pulse of community needs and vision
- » Nationwide freeway lid inventory and case study data, graphics, histories, sources, and personal contacts
- » Public records and I-5/Freeway Park/WSCC history
- » References to recent freeway lid academic research
- » Collection of community-led design concepts and illustrations
- » Advisory Council of experts and community leaders
- » Neighborhood coalition, political connections, media contacts
- » Website, large mailing list, and social media presence

Feasibility Study Area





Thank You

Follow | Engage | Advocate www.lidi5.org









Al Levine

UW Runstad Department of Real Estate's Development Studio Report





REAL ESTATE DEVELOPMENT STUDIO

Master of Architecture Master of Landscape Architecture Master of Science in Real Estate Master of Urban Planning





OUTLINE

FRAMEWORK
DENSITY
PARTNERSHIPS
FINANCIAL ANALYSIS
PREFERRED APPROACH
CONCLUSION

FRAMEWORK

FRAMEWORK | Drivers





-FEASIBILITY
-ACCESSIBILITY

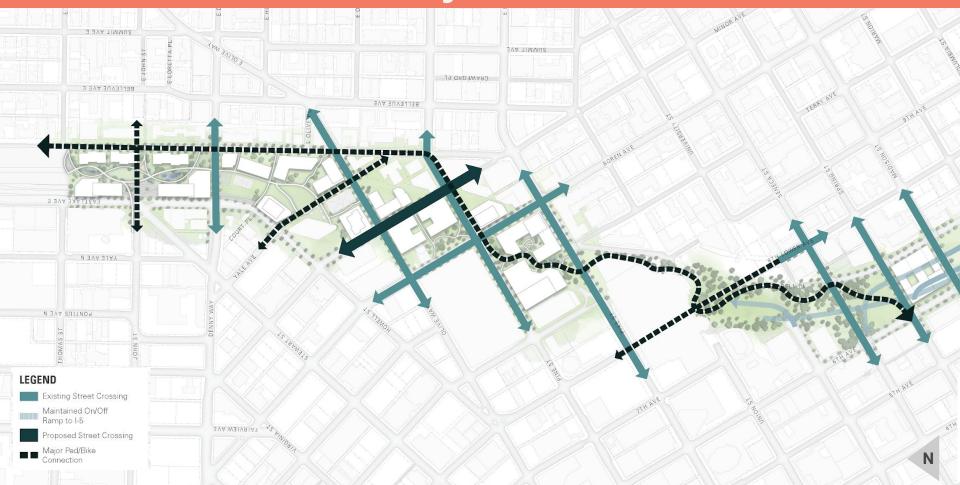
-SUSTAINABILITY -WATER/LIGHT/AIR -TRAFFIC FLOW -SURROUNDING USES

FRAMEWORK | Project Site

BLOCKS



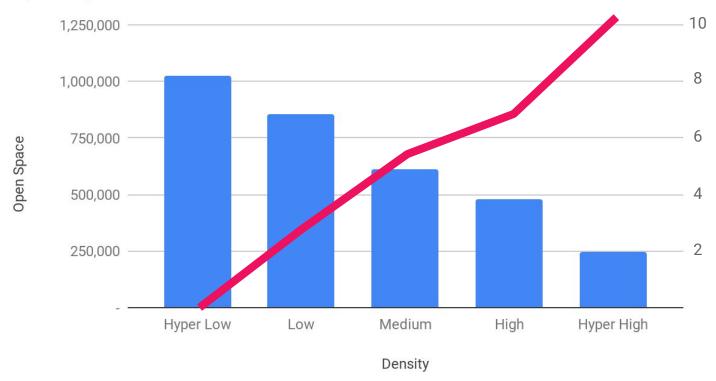
FRAMEWORK | Connectivity



DENSITY

DENSITY | Overview

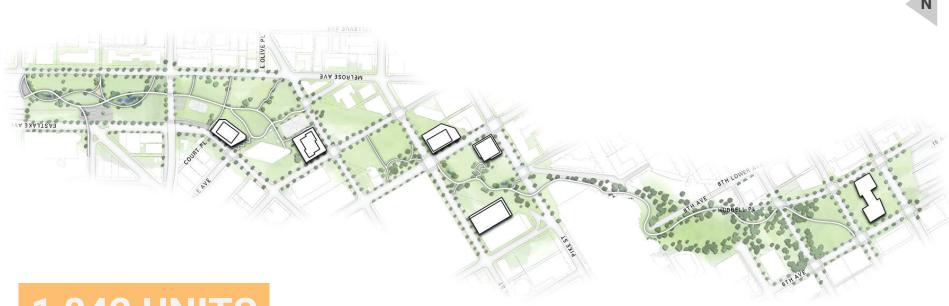




Total Land Area: 28.7 AC Total LID Area: 22.3 AC Percent LID: 77%

Floor-Area-Ratio

DENSITY | Low



1,842 UNITS
1,345 497
MARKET AFFORDABLE

68% OPEN 20 ACRES

DENSITY | Medium





3,689 UNITS

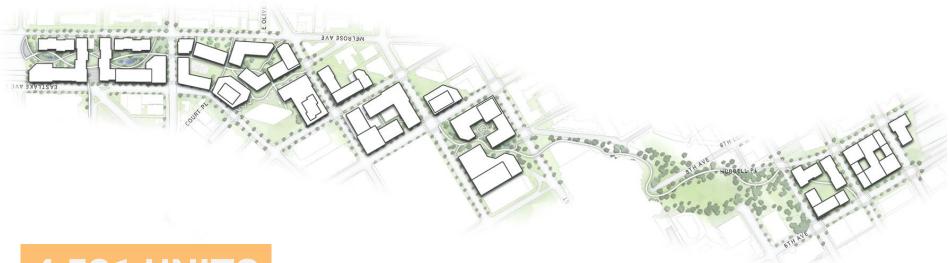
2,693 996

MARKET AFFORDABLE

49% OPEN 14 ACRES

DENSITY | High





4,531 UNITS
3,308 1,223
MARKET AFFORDABLE

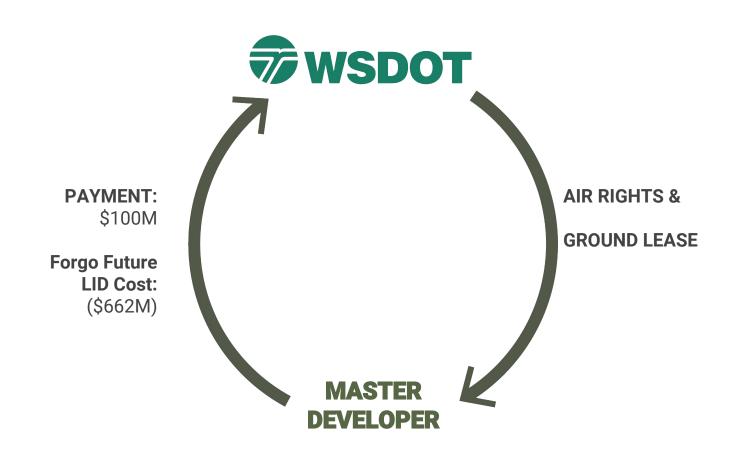
38% OPEN 11 ACRES

PARTNERSHIPS

PARTNERSHIPS | Master Developer



PARTNERSHIPS | WSDOT



PARTNERSHIPS | City of Seattle

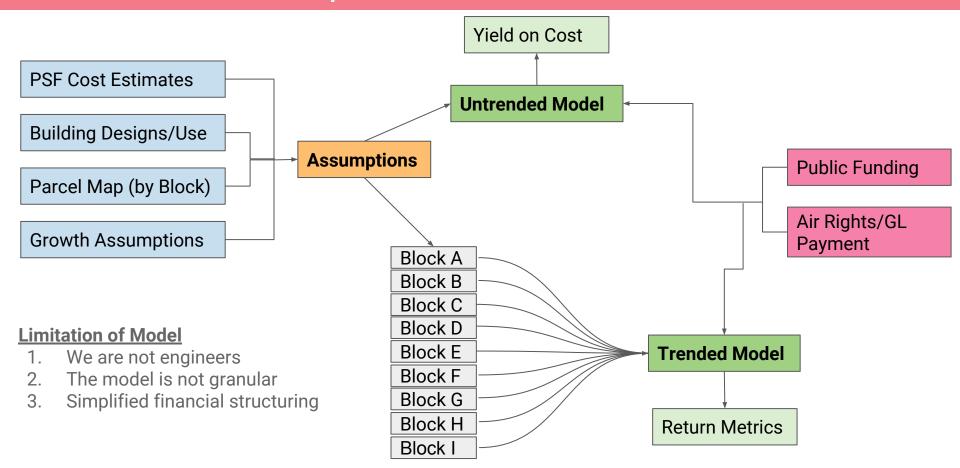


PARTNERSHIPS | Funding

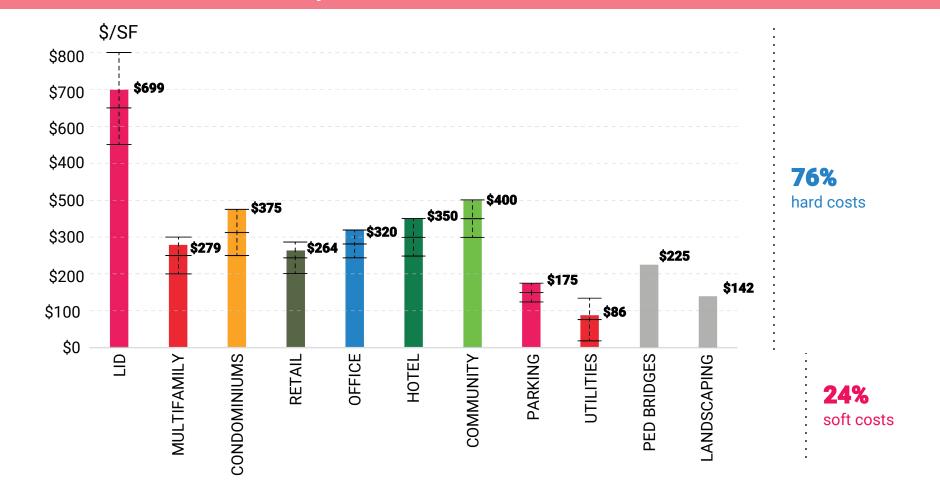


FINANCIAL ANALYSIS

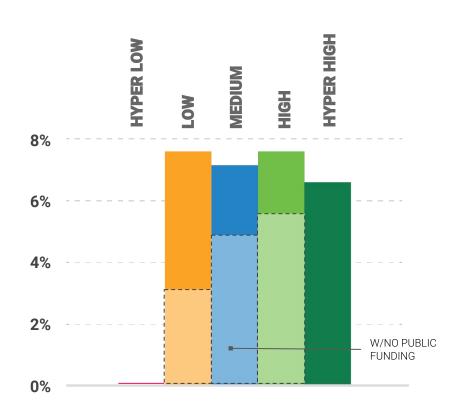
FINANCIAL ANALYSIS | Model & Limitations



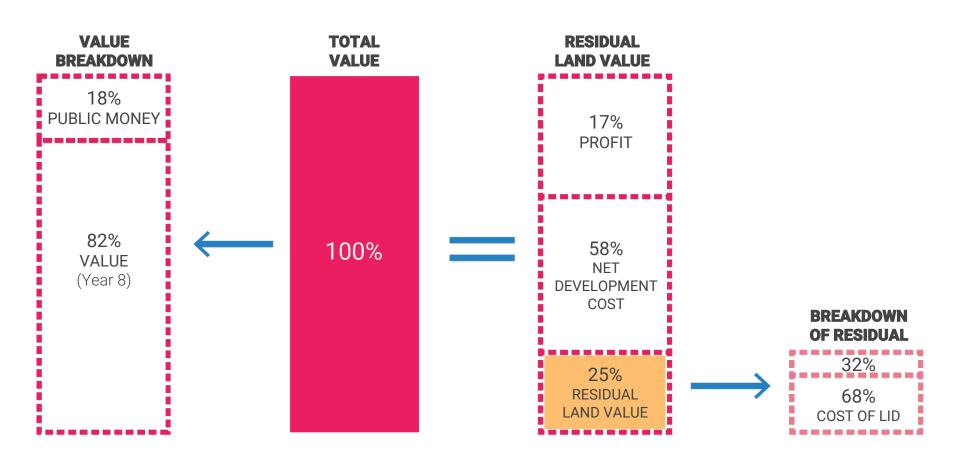
FINANCIAL ANALYSIS | Untrended Costs PSF



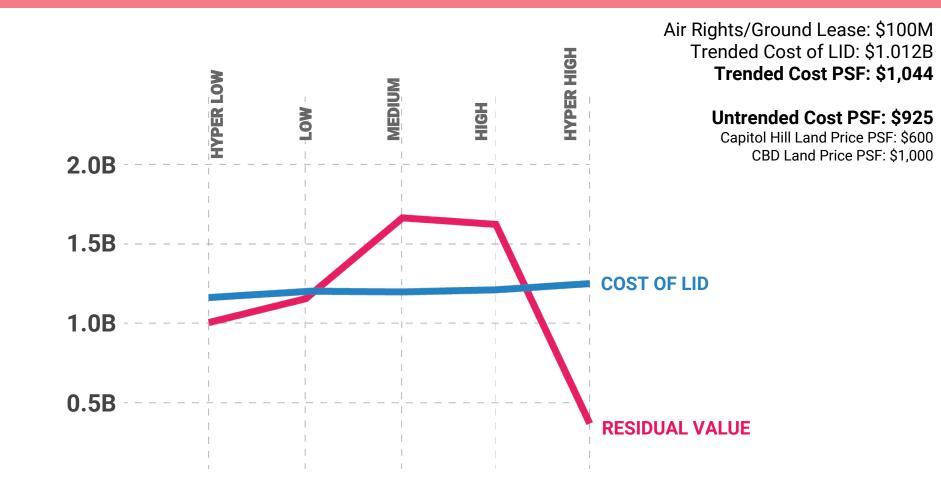
FINANCIAL ANALYSIS | Untrended Yield on Cost



FINANCIAL ANALYSIS | Residual Land Value



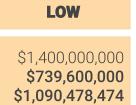
FINANCIAL ANALYSIS | Residual Land Value

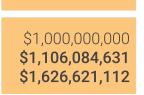


FINANCIAL ANALYSIS | Trended Summary

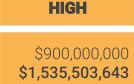
Public Funding
Private Equity
Residual Value

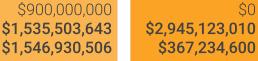






MEDIUM



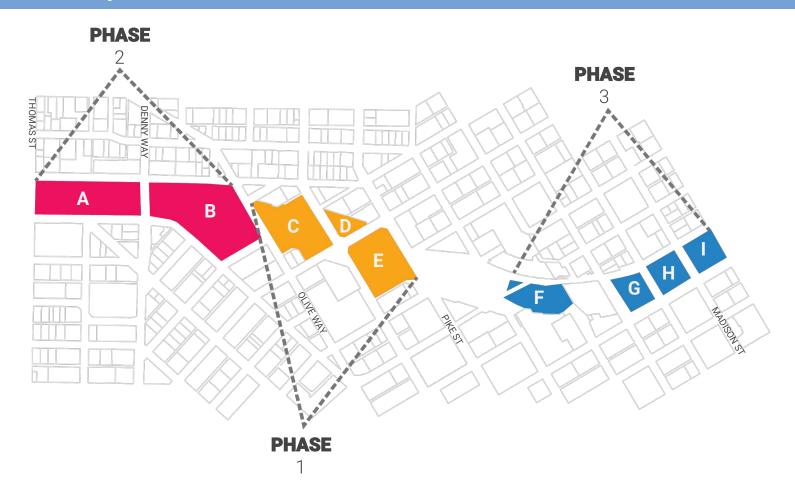


HYPER HIGH



PREFERRED APPROACH

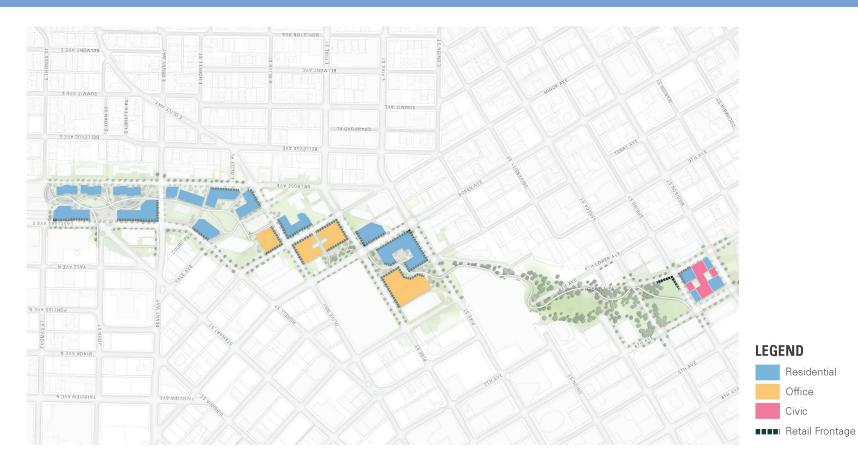
APPROACH | PHASING



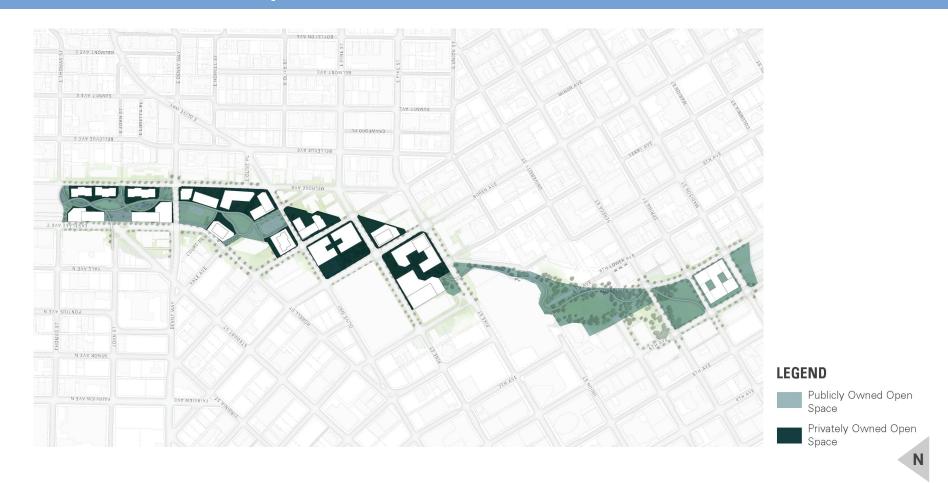
APPROACH | PHASING TIMELINE



MEDIUM DENSITY | LAND USE

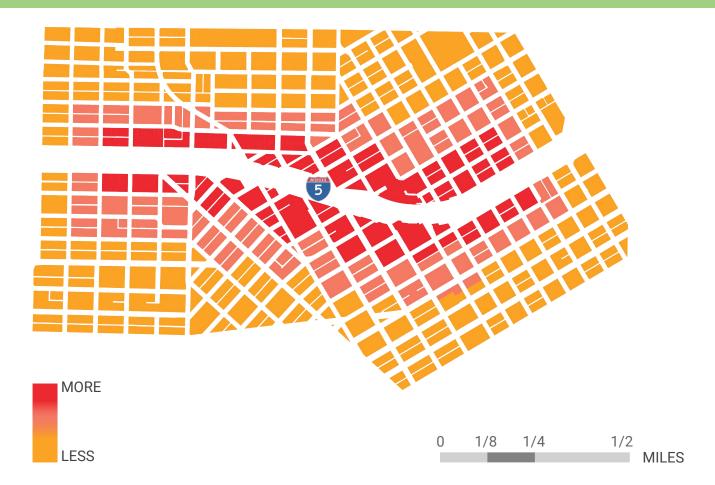


MEDIUM DENSITY | OPEN SPACE



CONCLUSION

CONCLUSION | Benefits



CONCLUSION | Benefits









Stormwater Mitigation





THANK YOU

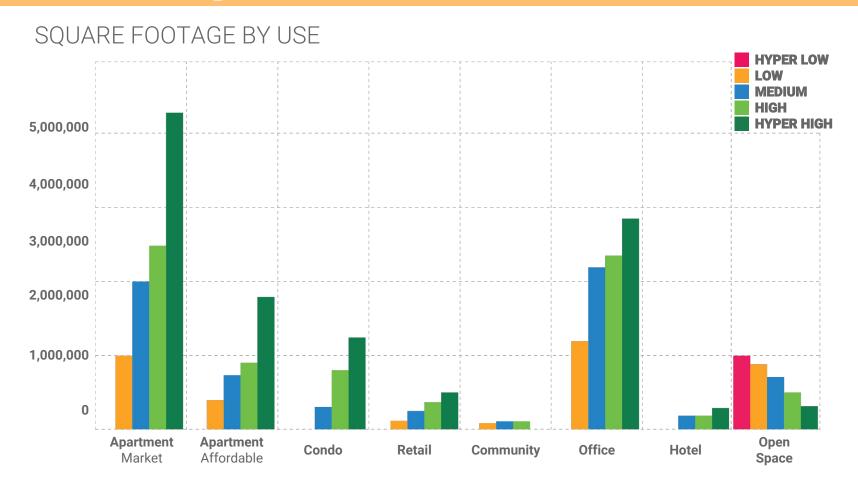


Final Report

realestate.washington.edu/research/student-research/

Appendix

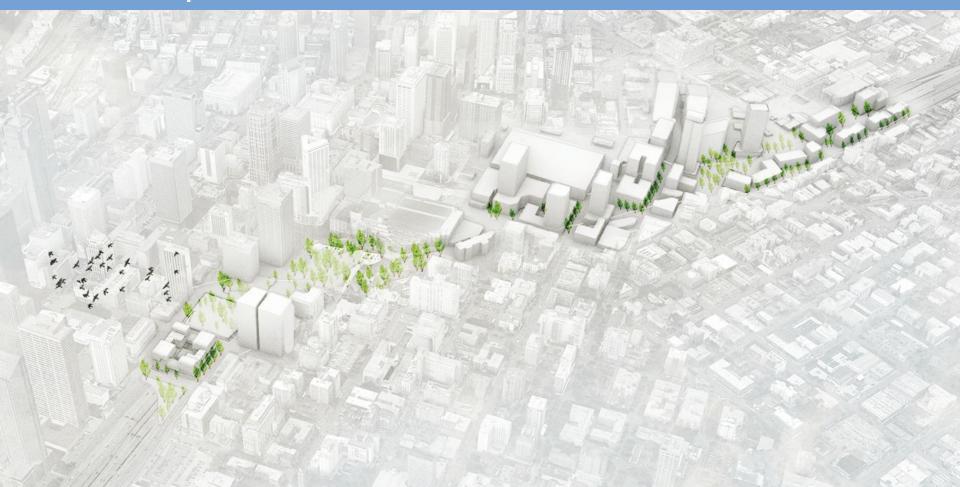
DENSITY | Comparison



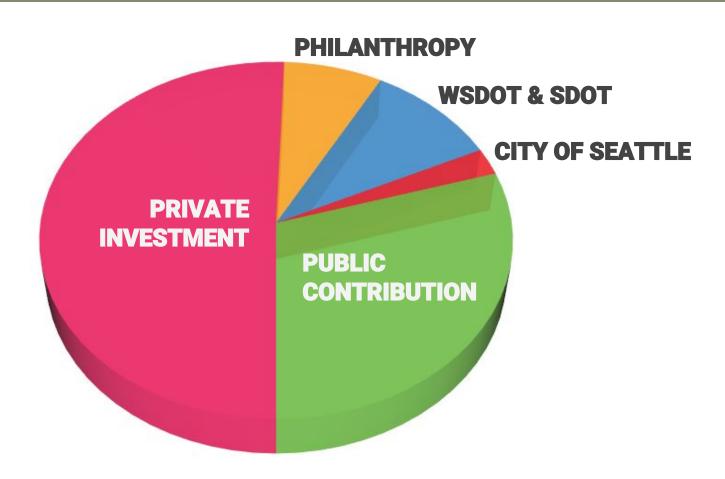
FINANCIAL ANALYSIS | Combined Cash Flow



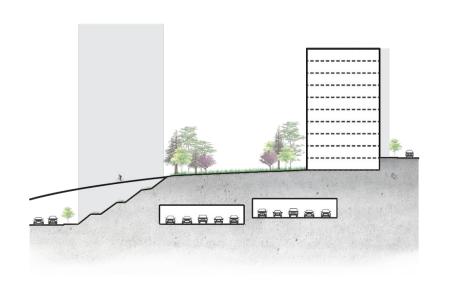
APPROACH | MEDIUM DENSITY

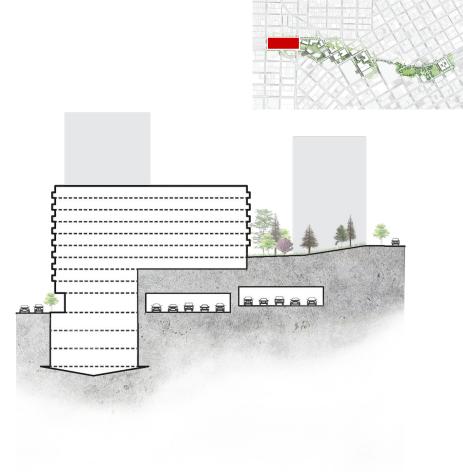


ASSUMPTIONS | Funding

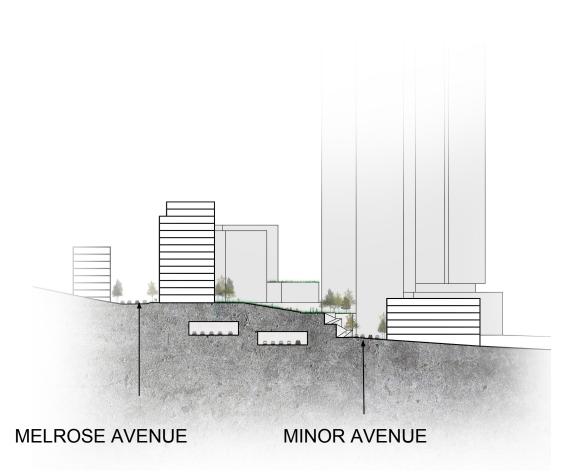


FRAMEWORK | Block A Section



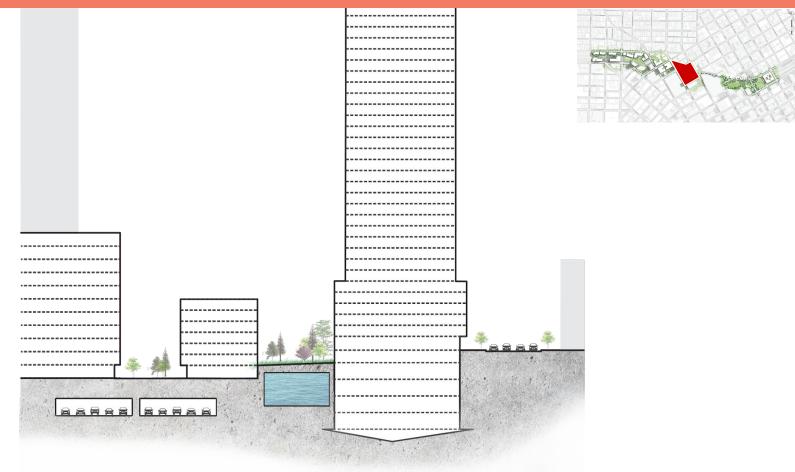


FRAMEWORK | Block B Section





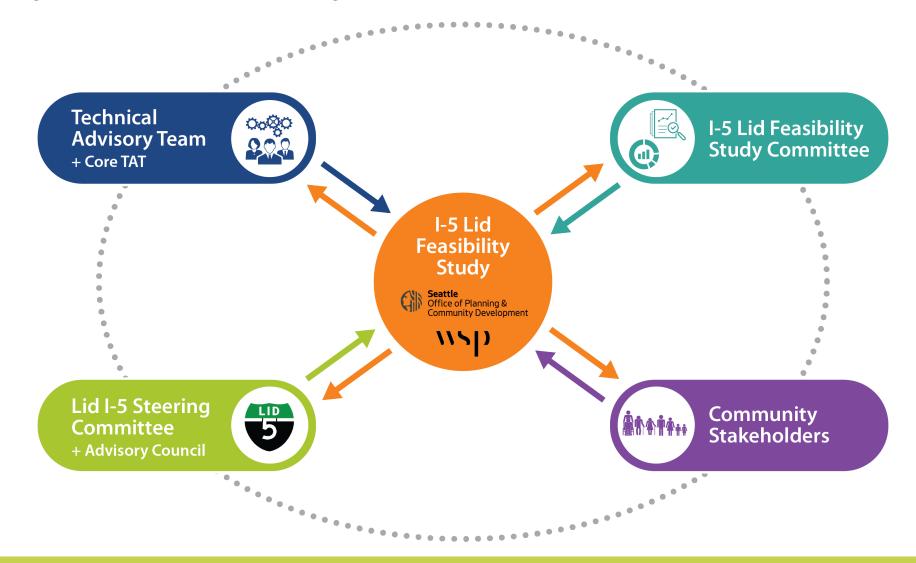
FRAMEWORK | Block D/E Section



FRAMEWORK | Block G Section



Study Community and Coordination



Study Community Collaboration Goals

- Keep stakeholders informed of the LFS process
- Access community knowledge, expertise and information
- Understand community goals and priorities related to the LFS
- Identify long-term opportunities and constraints related to the study area
- Test ideas together

Study Collaboration and Coordination



Study Approach

- Evidence-based approach
- Support City's goal to lead with equity

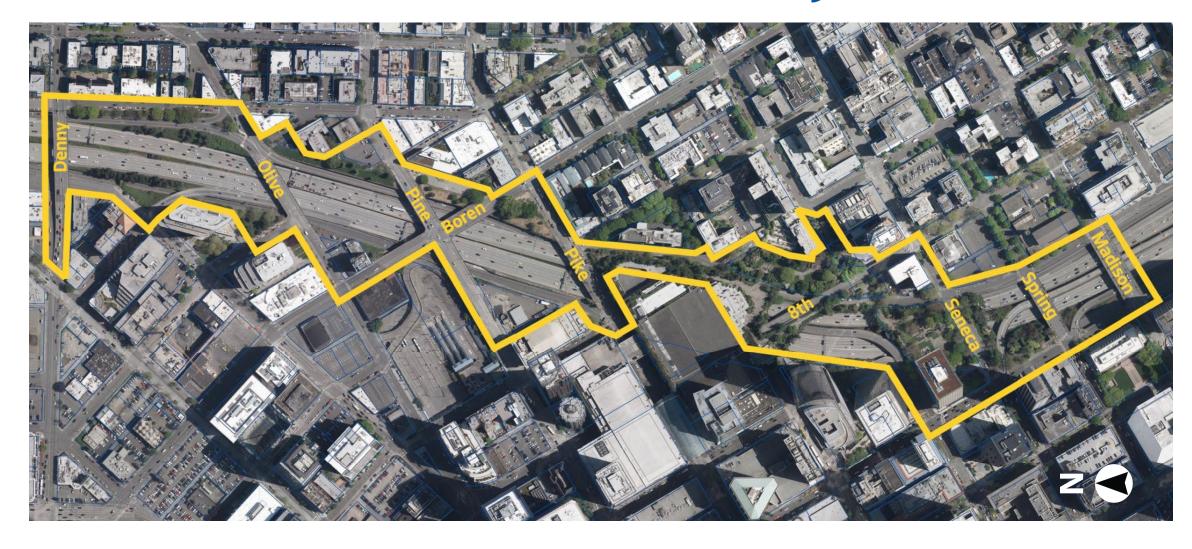
Study Purpose

- Two overarching goals:
 - 1. Explore the range of feasibility—technically and financially
 - 2. Create a framework to maximize benefits for all.





Structural Assessment Boundary



Conceptual Study Area



KEY STEP 1: Define the Focus

KEY STEP 2: Scenario Planning

KEY STEP 3: Scenario Analysis

KEY STEP 1: Define the Focus

KEY STEP 2: Scenario Planning **KEY STEP 3:** Scenario Analysis

- What is our approach to the study?
- What are the important assumptions?
- Where can a lid be built?

KEY STEP 1: Define the Focus

- What is our approach to the study?
- What are the important assumptions?
- Where can a lid be built?

KEY STEP 2: Scenario Planning

What can a lid support?

KEY STEP 3: Scenario Analysis

KEY STEP 1: Define the Focus

- What is our approach to the study?
- What are the important assumptions?
- Where can a lid be built?

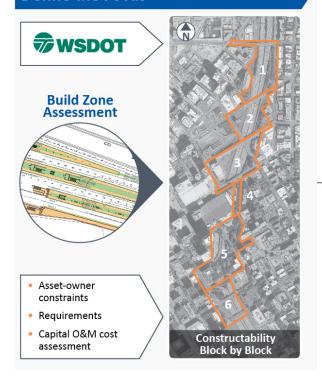
KEY STEP 2: Scenario Planning

• What can a lid support?

KEY STEP 3: Scenario Analysis

- How might different scenarios perform?
- What are the next steps?

KEY STEP 1: Define the Focus



KEY STEP 2: Scenario Planning



KEY STEP 3: Scenario Analysis







Real Estate and Development Market Analysis



Build Zone and Structural Assessment



Sample Feasibility Matrix				
	Lid	Туре	Cost	Use
1	~	A-D	\$\$	1-4
2	~	A, B	\$	2-4
3		А	\$	1, 2
4	~	C, D	\$\$\$	1-4
5	~	B-D	\$\$	3, 4
6		В	\$\$	3
7	~	A-D	\$	1-4



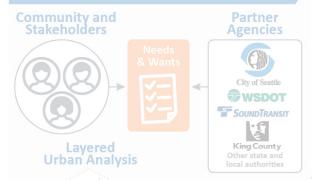


I-5 Lid Feasibility Study Approach

Inclusive Communication and Engagement Process Iterative Technical, Urban, Social and Economic Analysis

KEY STEP 1: Define the Focus











Use

1-4

Policy Matrix





A-D 1-4A, B 2-4 1-4 3, 4

Type

Cost

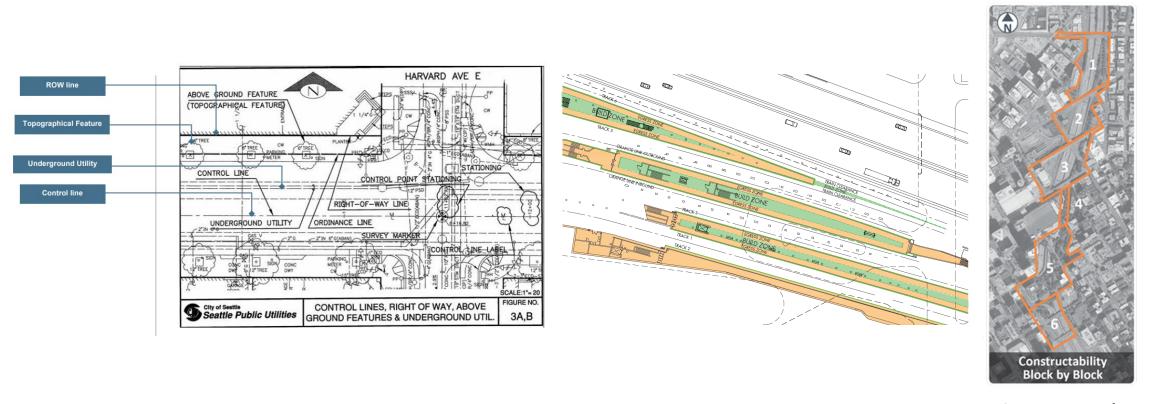
Lid





I-5 Lid **Feasibility** Study Approach

Preliminary Structural Assessment



Representative example

WSDOT Build Zone Assessment Asset-owner Requirements Capital O&M cost assessment

KEY STEP 2: Scenario Planning

Community and Stakeholders Needs Wants City of Seattle WSDOT SoundTransm King County Other state and local authorities

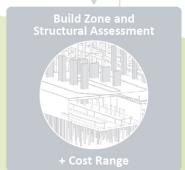
KEY STEP 3: Scenario Analysis









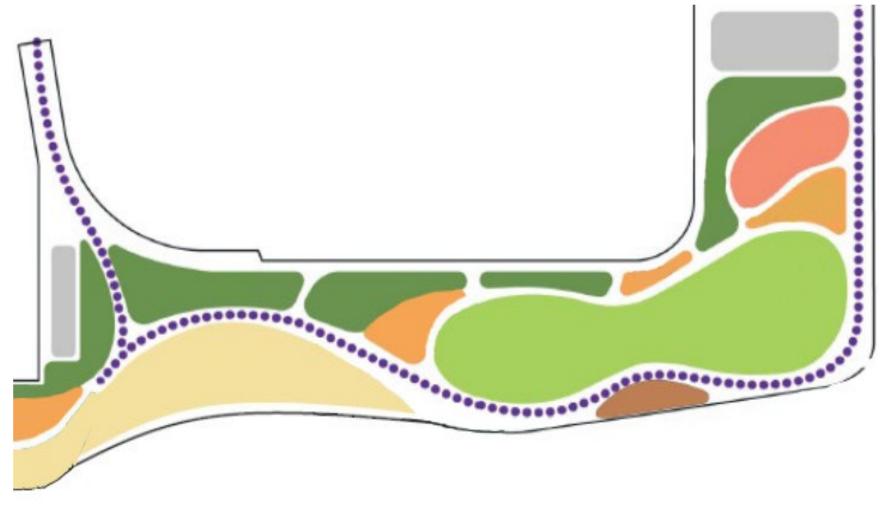


Sample Feasibility Matrix Lid Type Cost Use A-D \$\$ 1-4 2 ~ A, B \$ 2-4 \$ 1, 2 C, D \$\$\$ 1-4 \$\$ 3, 4 B-D \$\$ 3 ~ A-D \$ 1-4



I-5 Lid Feasibility Study Approach

Inclusive Communication and Engagement Process Iterative Technical, Urban, Social and Economic Analysis



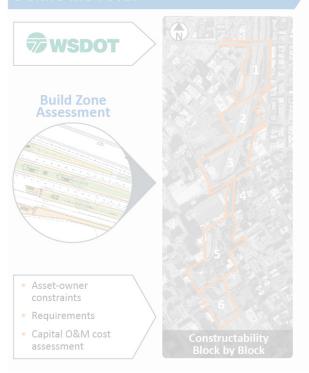
Representative example





Representative example

KEY STEP 1: Define the Focus



KEY STEP 2: Scenario Planning



KEY STEP 3: Scenario Analysis













Policy Matrix

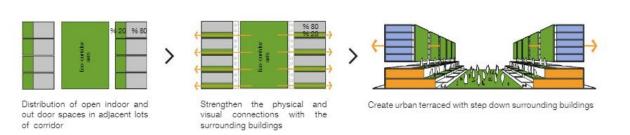
Build Zone and Structural Assessment





I-5 Lid Feasibility Study Approach

Inclusive Communication and Engagement Process Communication and Engagement Process Communication and Economic Analysis



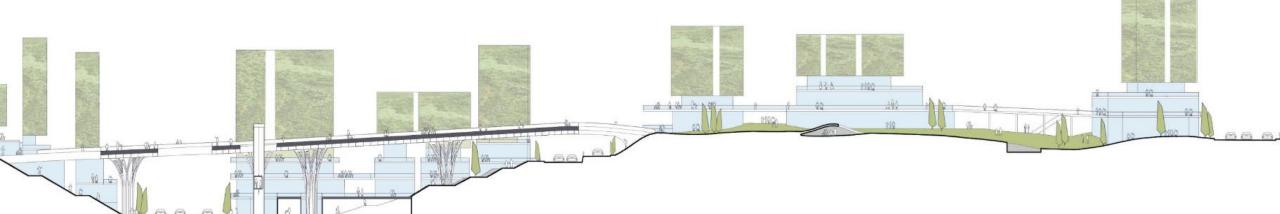


The public plaza under the corridor

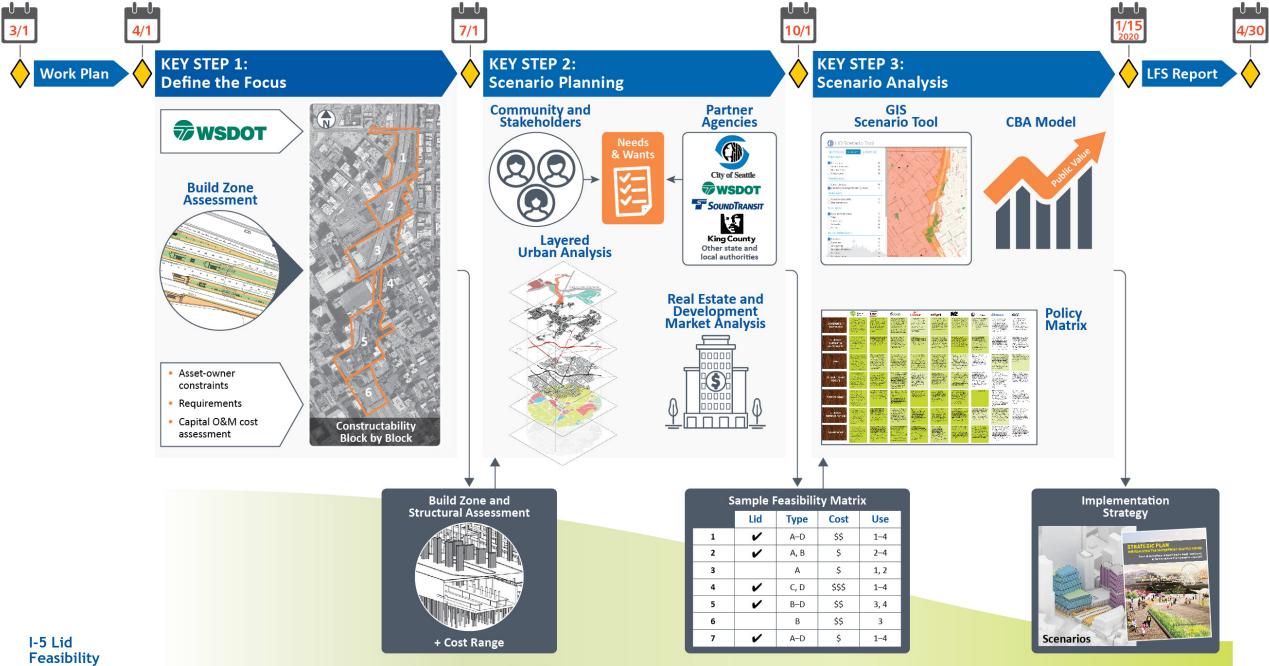


As building façades are inseparable part of an urban landscape project, green façade is proposed to conceptually integrate the landscape with the fronting facades.

Eco-corridor promenade above east-west direction above the public plaza



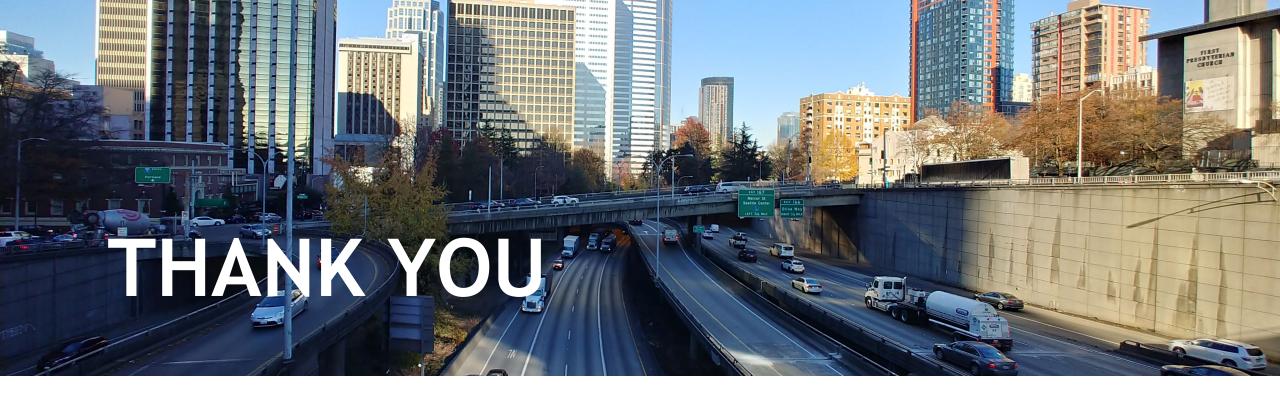
Representative example



Study Approach

Inclusive Communication and Engagement Process Iterative Technical, Urban, Social and Economic Analysis

Discussion



I-5 Lid Feasibility StudyOverview and Orientation

March 26, 2019 Seattle City Hall, Bertha Landes Room

