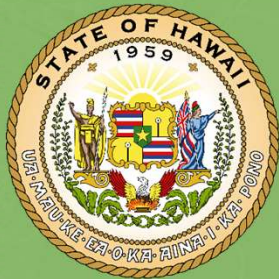


STATE TOD PLANNING & IMPLEMENTATION FOR THE ISLAND OF O'AHU

TOD COUNCIL REPORT BACK
Tuesday, February 11, 2020
HCDA Community Room

OFFICE OF PLANNING
DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT, & TOURISM



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R. M. TOWILL CORPORATION
SINCE 1930

CALLISON RTKL FEHR PEERS ARUP

Project Purposes

- Coordinate approach between all stakeholders
- Coordinate regional infrastructure investments
- Identify source(s) of financing and best practices for TOD Implementation
- Consider incentives for landowner participation
- Identify sustainable development practices



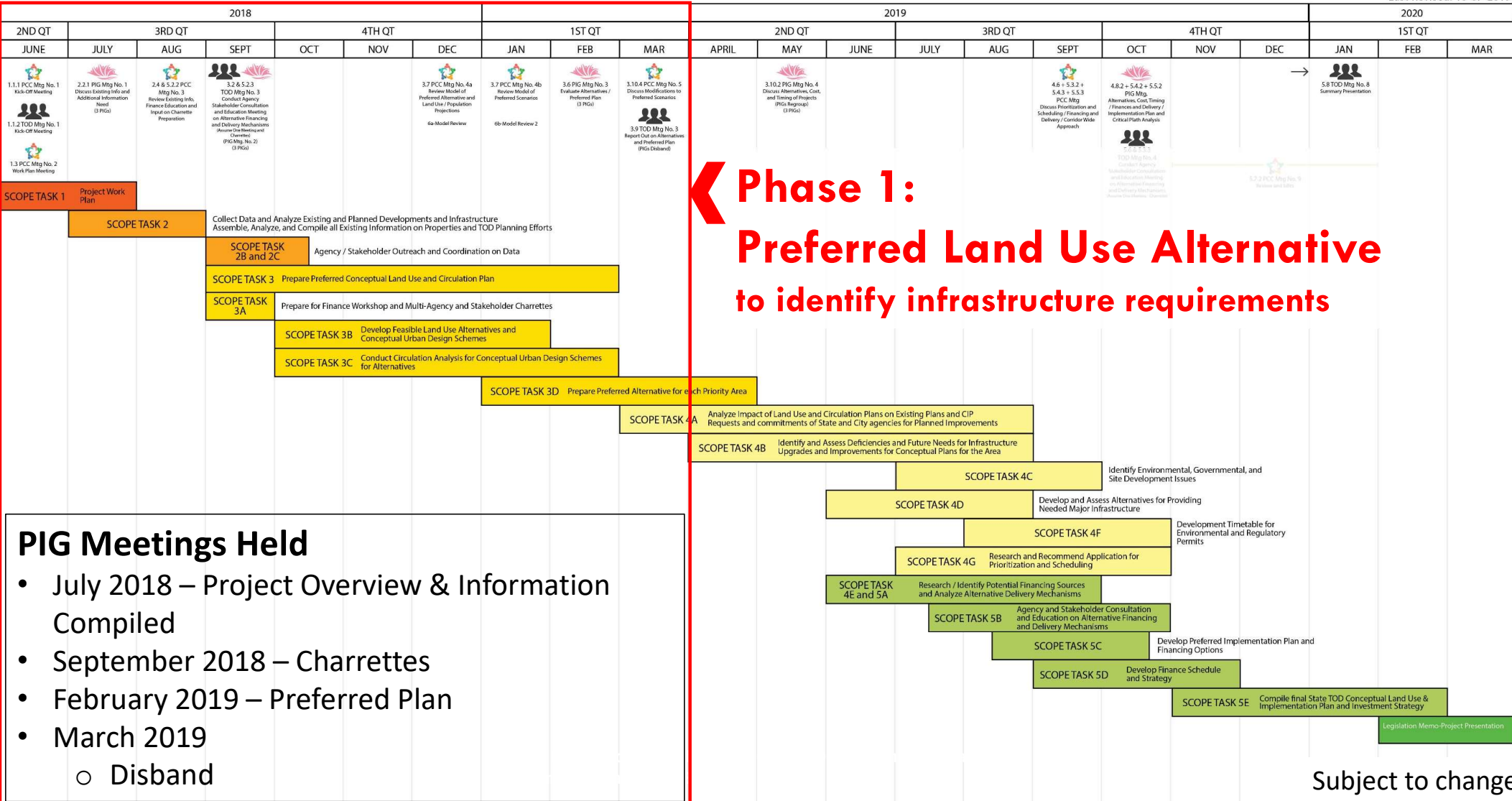
OP TOD INFRASTRUCTURE MASTER PLAN PROJECT SCHEDULE*

= Project Coordinating Committee

= TOD Council

= Permitted Interaction Group

Last Revised: 10-07-2019



PIG Meetings Held

- July 2018 – Project Overview & Information Compiled
- September 2018 – Charrettes
- February 2019 – Preferred Plan
- March 2019
 - Disband

Subject to change

Phase 1: Meetings Held

Group	Date(s)	Topics Covered
Project Coordinating Committee (PCC)	<ul style="list-style-type: none"> • June 1, 2018 • June 22, 2018 • August 16, 2018 • September 21, 2018 • November 2, 2018 • December 4, 2018 and January 23, 2019 	<ul style="list-style-type: none"> • Kick-off meeting • Work Plan • Charrette Preparation • Charrette Summary • Project Boundary • Land Use Scenario Review – PIG 3
Permitted Interaction Groups (PIGs)	<ul style="list-style-type: none"> • July 12 – 20, 2018 • July 30, 2018 • September 20 & 21, 2018 • February 26, 2019 	<ul style="list-style-type: none"> • Info Compiled to Date • Farrington Widening • Charrettes • Preferred Conceptual Land Use Scenario



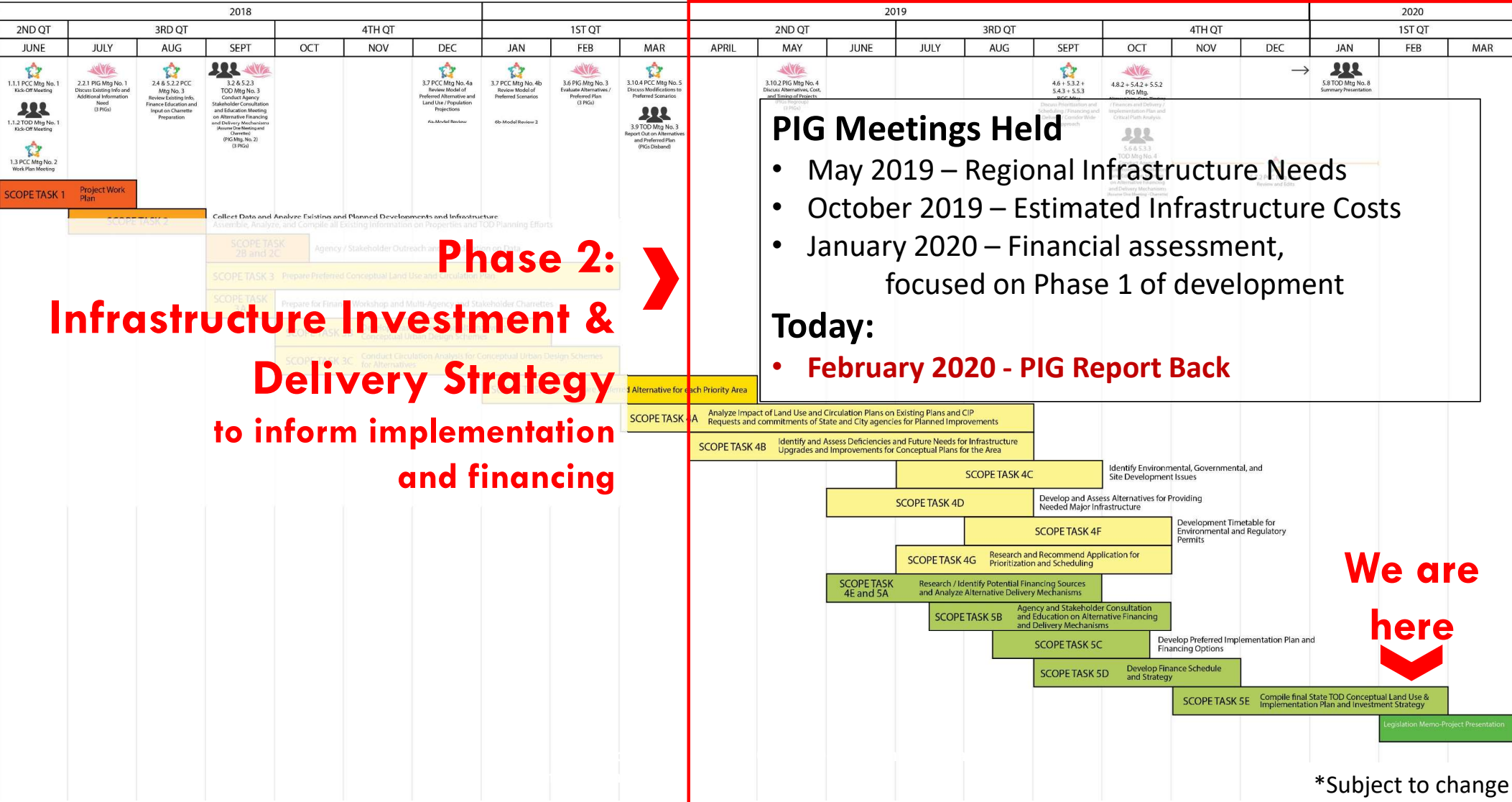
OP TOD INFRASTRUCTURE MASTER PLAN PROJECT SCHEDULE*

= Project Coordinating Committee

= TOD Council

= Permitted Interaction Group

Last Revised: 10-07-2019



*Subject to change

Phase 2: Meetings Held to Date

Group	Date(s)	Topics Covered
Project Coordinating Committee (PCC)	<ul style="list-style-type: none"> • May 13, 2019 • August 30, 2019 • September 5, 2019 • January 7, 2020 	<ul style="list-style-type: none"> • Alternatives / Costs / Timing of Infrastructure Projects • Infrastructure Financing • Sequencing • Financing / Funding Tools and Options
Permitted Interaction Groups (PIGs)	<ul style="list-style-type: none"> • May 23, 2019 • October 8-11, 2019 • January 14-15, 2020 	<ul style="list-style-type: none"> • Alternatives / Costs / Timing of Infrastructure Projects • Sequencing and Financing / Funding Tools and Options • Financing / Funding Tools, Potential Yields, and Recommendations

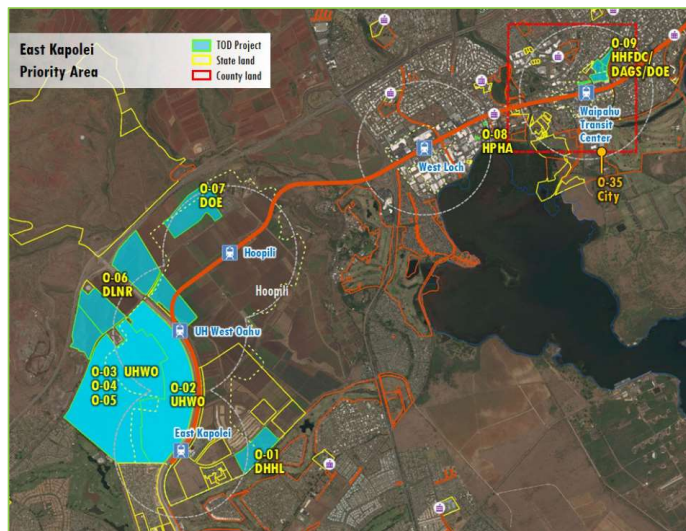


An aerial photograph of a city area, likely San Francisco, showing a mix of urban development and green spaces. A red line traces a path through the city, connecting several circular yellow highlights. These highlights represent Transit-Oriented Development (TOD) study areas. The bottom-left corner of the image is overlaid with a brown, textured graphic element.

TOD Opportunities and Study Efforts

TOD Opportunities: State Lands Along the Rail

Priority Areas:



East Kapolei



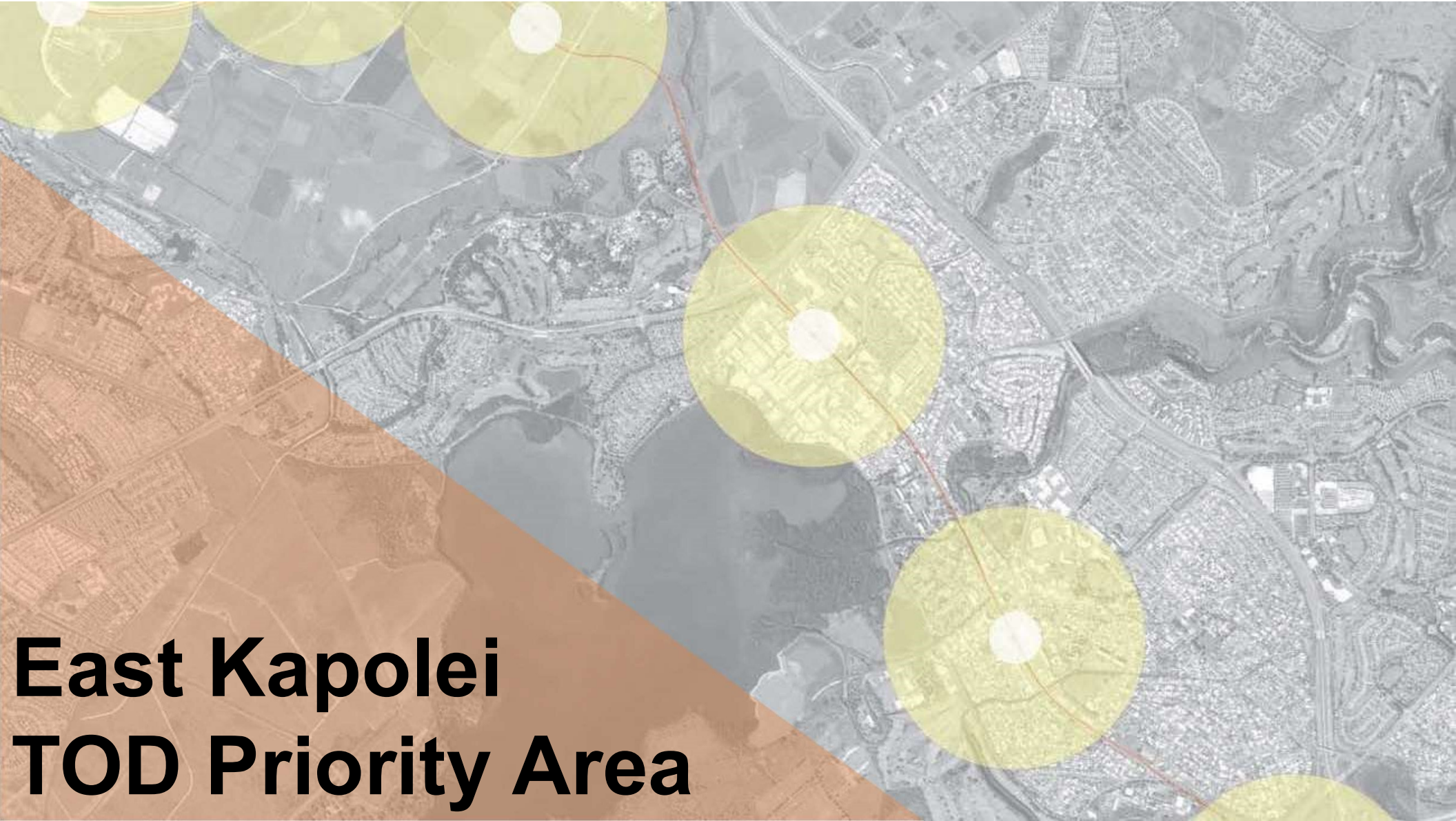
Hālawā-Stadium



Iwilei-Kapālama

Priority Areas and State Goals

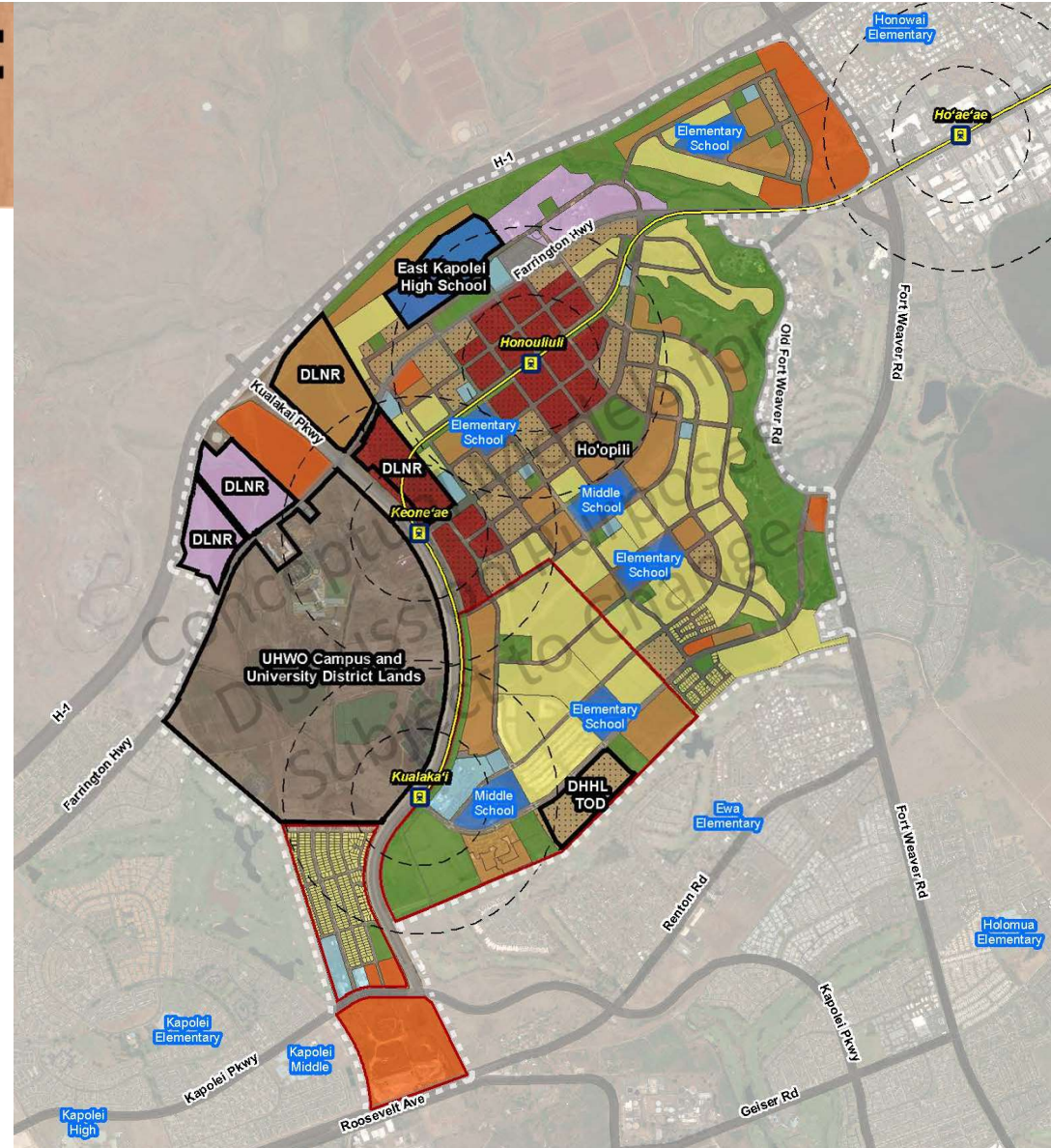
- 47,000+ new/rebuilt homes, disproportionately affordable
- New and improved community facilities
- New Aloha Stadium Entertainment District (NASED)
- Revenues for mission driven agencies
- Connection to employment centers
- Reduced transportation costs, congestion, and energy consumption
- Preservation of ag lands and Keep The Country Country!!
- Value created in Phase 1 alone exceeds \$10.3B in 2019 dollars



**East Kapolei
TOD Priority Area**

Preferred Alternative: East Kapolei

- ✓ Proceed with current conceptual land use scenarios for each of the various landowners
- ✓ Improve currently planned connections/intersections



Preferred Alternative: East Kapolei Anticipated Development Model

	Residential (Units)	Commercial (SF)	Industrial (SF)	Hotel (rooms)
Existing	840	1,990,000	0	0
Phase 1: Additional (0-10 Years)	9,740	3,460,000	1,190,000	180
Phase 2: Additional (11-20 Years)	6,740	1,770,000	1,150,000	~190
Phase 3: Additional (20-40+ Years)	1,640	1,100,000	490,000	Possibly another
Total Anticipated Buildout*	18,960	8,320,000	2,830,000	~370

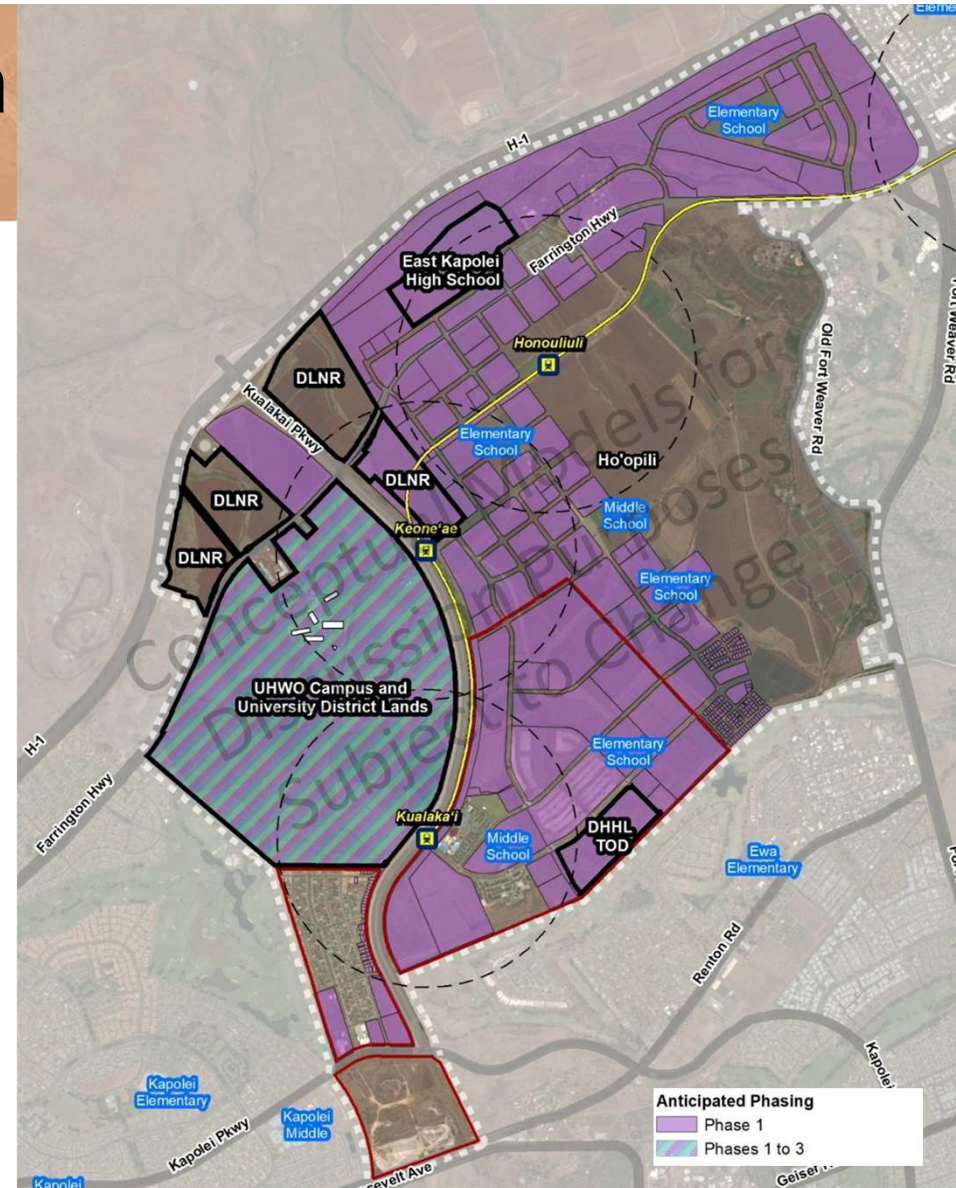
*Development estimates subject to change. Includes existing inventories.

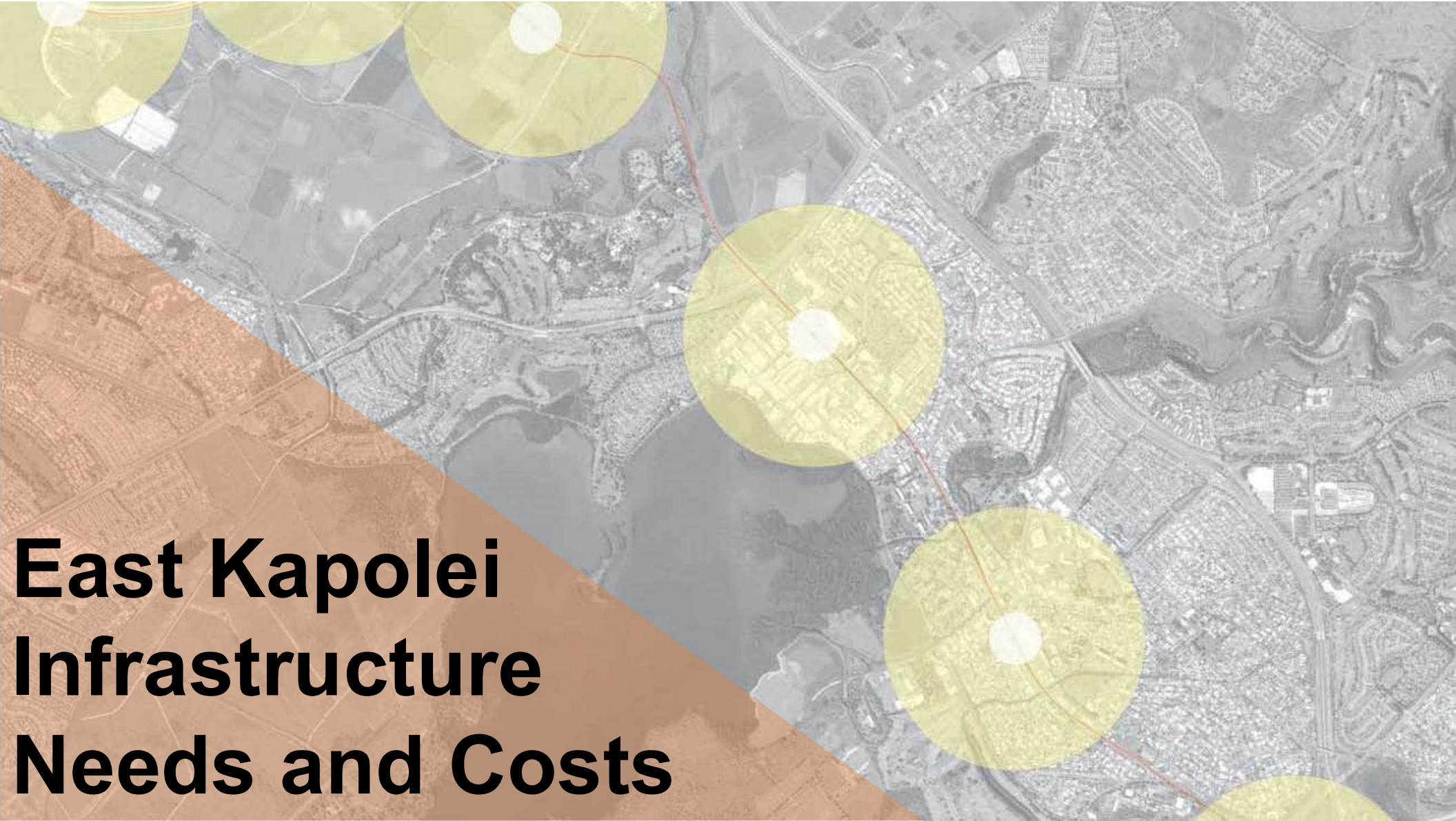
East Kapolei: Phase 1 Plan (2020-2029)

Net new development*

- Residential – 9,740 homes
- Commercial/Mixed-Use – 3.46 million SF
- Hotel – 180 rooms
- Industrial – 1.19 million SF
- Schools

* Figures based on preferred plans by agency and other stakeholders and represent new facilities NET OF existing facilities expected to be demolished.







East Kapolei Infrastructure Needs and Costs

EAST KAPOLEI STATE LANDS: NEW-UPGRADED FACILITIES

Legend

-  Future Rail Stations
-  Rail Line
-  State Parcels
-  State TOD Projects
-  Proposed Electrical Substation
-  New Sewer Line
-  Upgraded Sewer Line
-  New Water Lines
-  Non-Potable Water Improvements
-  Drain Lines (Future)
-  Regional Corridors for Development Support
-  Multi-Modal Connection (including sidewalks/ separated pathways and/or bicycle lanes/cycle tracks/ multi-use pathways)



East Kapolei – Total Regional and Regional-Project Costs by Phase (2019 dollars, in millions)

Phase 1	Phases 2-3	Total
\$969.4	\$1,683.1	\$2,652.6

- Developed from detailed analysis from engineering consultant based on preferred plans, existing, needed, and deficit infrastructure
- \$729.5 million funding already committed to Phase 1 projects

Description	Improvement	New/Deficit	(2020-2030) Phase	Soft Cost	Existing Feeding 2-year	Existing Feeding 6-Year	Existing Feeding Other	Required Net Feeding Phase 1
New Offsite Sewer System, Farrington Highway	SEWER	New						
New Offsite Sewer System, Kualakai Parkway	SEWER	New						
Upgrade Existing Sewer 36" to 42" (4,250 LF) within Kaulakakai	SEWER	New	\$3,301,000					(\$3,301,000)
Upgrade Existing Sewer 30" to 36" (700 LF), Kualakai Parkway	SEWER	New						
Upgrade Existing Sewer 42" to 48" (4,000 LF), to Manaulili WWT	SEWER	New						
Farrington Highway Widening (CCHCIP)	STREETS	New	\$134,000,000	\$0				\$134,000,000
Conversion of existing temporary burststop on Kauhama Parkway, no	STREETS	Deficit	\$60,000	\$120,000				\$720,000
Shared-Use Path (along Kualakai Parkway) by filling existing gap betu	STREETS	Deficit	\$1,800,000	\$260,000				\$2,160,000
12" ROW Backbone Road (Ready to be Constructed within 5 to 10 Yr)	STREETS	New	\$28,707,000	\$5,741,400				\$34,448,400
70" ROW Backbone Road (Ready to be Constructed within 5 to 10 Yr)	STREETS	New	\$30,325,000	\$6,065,200				\$36,390,200
12" ROW Backbone Road (Ready Construction Date to be Determined)	STREETS	New	\$12,594,000					(\$12,594,000)
10" ROW Backbone Road (Ready Construction Date to be Determined)	STREETS	New						
70" ROW Backbone Road (Ready Construction Date to be Determined)	STREETS	New						
Kualakai Parkway 16" Recycle Water Main (BWS-CIP)	WATER	Deficit	\$3,600,000	\$0		(\$3,600,000)		
Line Shaft Tunnel Improvements	WATER	New	\$50,000,000	\$0		(\$50,000,000)		
East Kapolei 215-Foot System, 2.0 MG Non-Portable Water Reservoir	WATER	Deficit	\$9,100,000	\$0		(\$9,100,000)		
East Kapolei 440-Foot System, 2.5 MG Portable Water Reservoir	WATER	New						
East Kapolei 440-Foot System, 3.5 MG Portable Water Reservoir	WATER	New						
46" x 4' Underground Duct System	ELECTRICAL	New	\$13,000,000	\$2,600,000				\$15,600,000
Interconnection (Large Inter. at Farrington Hwy)	STREETS	New	\$5,750,000	\$1,150,000				\$6,900,000
Regional Drainage	STORM	New	\$19,773,000	\$3,754,600				\$23,527,600
10" ROW Backbone Road	STREETS	New	\$24,885,000	\$5,377,000				\$30,262,000
Onsite Development	ONSITE	New	\$27,696,000	\$5,521,200				\$33,217,200
Storm Water Quality Treatment	STORM	New	\$2,927,000	\$545,400				\$3,472,400
New Water System along Farrington Highway Connecting to Existing	WATER	New	\$54,000	\$100,000				\$152,000
Regional Drainage (kaloai and kauhama realignments)	SEWER	New						
Interconnection (Large Inter. at Kualakai Parkway and 1st Farrington)	STREETS	New						
60" ROW Backbone Road	STREETS	New						
Onsite Development	ONSITE	New						
Storm Water Quality Treatment	SEWER	New						
Interconnection (Large Inter. at Farrington Highway)	STREETS	New						
60" ROW Backbone Road	STREETS	New						
Onsite Development	ONSITE	New						
Storm Water Quality Treatment	SEWER	New						
East-West Connector Road (from Kualakai Parkway/Kauhama Park	STREETS	New	\$32,637,000	\$6,727,400				\$39,364,400
10" ROW Backbone Road	STREETS	New	\$15,000,000	\$2,200,000				\$17,200,000
Interconnection (Large Inter. at Farrington Hwy and Large Inter. at	STREETS	New	\$5,393,000	\$1,678,600				\$7,071,600
Regional Drainage	STORM	New						
Farrington Highway Frontage	STREETS	New						
North-South Connector Road (Connecting Campus Drive Extension	STREETS	New						
70" ROW Backbone Road	STREETS	New						
Interconnection (Large Inter. at Kualakai Parkway)	STREETS	New						
Onsite Development	ONSITE	New						
70" ROW Backbone Road	STREETS	New	\$12,900,000	\$2,781,600				\$15,681,600
Interconnection (Small Inter. at Kauhama Parkway)	STREETS	New	\$10,800,000	\$2,160,000				\$12,960,000
Onsite Development	ONSITE	New	\$29,723,000	\$4,144,600				\$33,867,600
Storm Water Quality Treatment	STORM	New	\$1,480,000	\$238,000				\$1,718,000
Elementary School (5) @ \$60 million each	SCHOOL	New	\$60,000,000	\$0		(\$60,000,000)		
Middle School (2) @ \$170 million each	SCHOOL	New	\$173,500,000	\$0		(\$173,500,000)		
High School (1 "mega") @ \$700 million for mega high school	SCHOOL	New	\$250,000,000	\$0		(\$250,000,000)		
			\$915,914,000	\$1,263,200		(\$504,200,000)		\$444,102,000

*Note: This table does not include onsite project infrastructure.

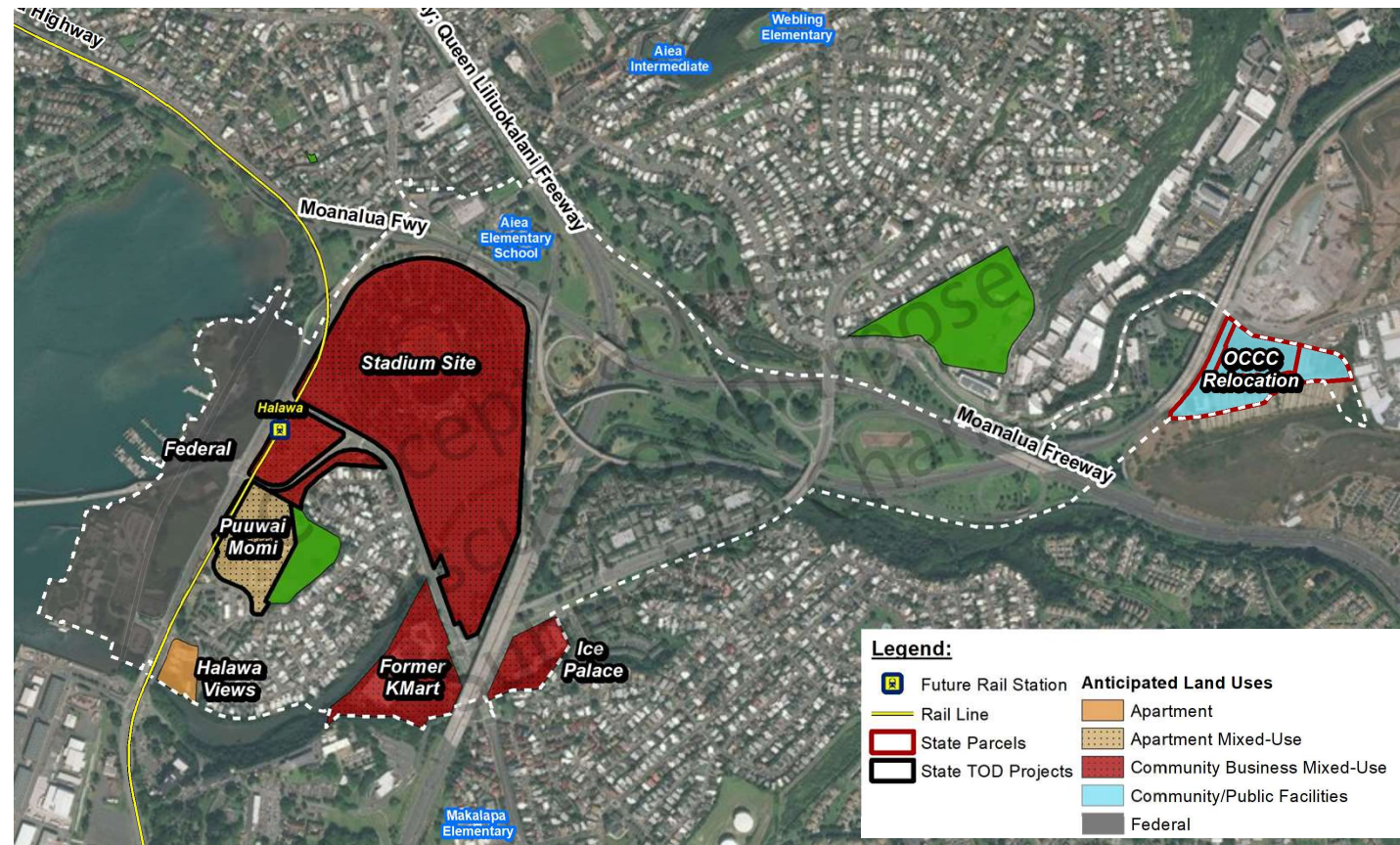
** Subject to change based on UHWO Mauka MP demand.



Hālawā-Stadium TOD Priority Area

Preferred Alternative: Hālawā-Stadium

- ✓ Stadium redevelopment on site with additional ancillary mixed-use development
- ✓ Pu'uwai Momi at maxed out density
- ✓ Additional public-school capacity
- ✓ Assume OCCC relocates to Hālawā



Preferred Alternative: Hālawā-Stadium Anticipated Development Model

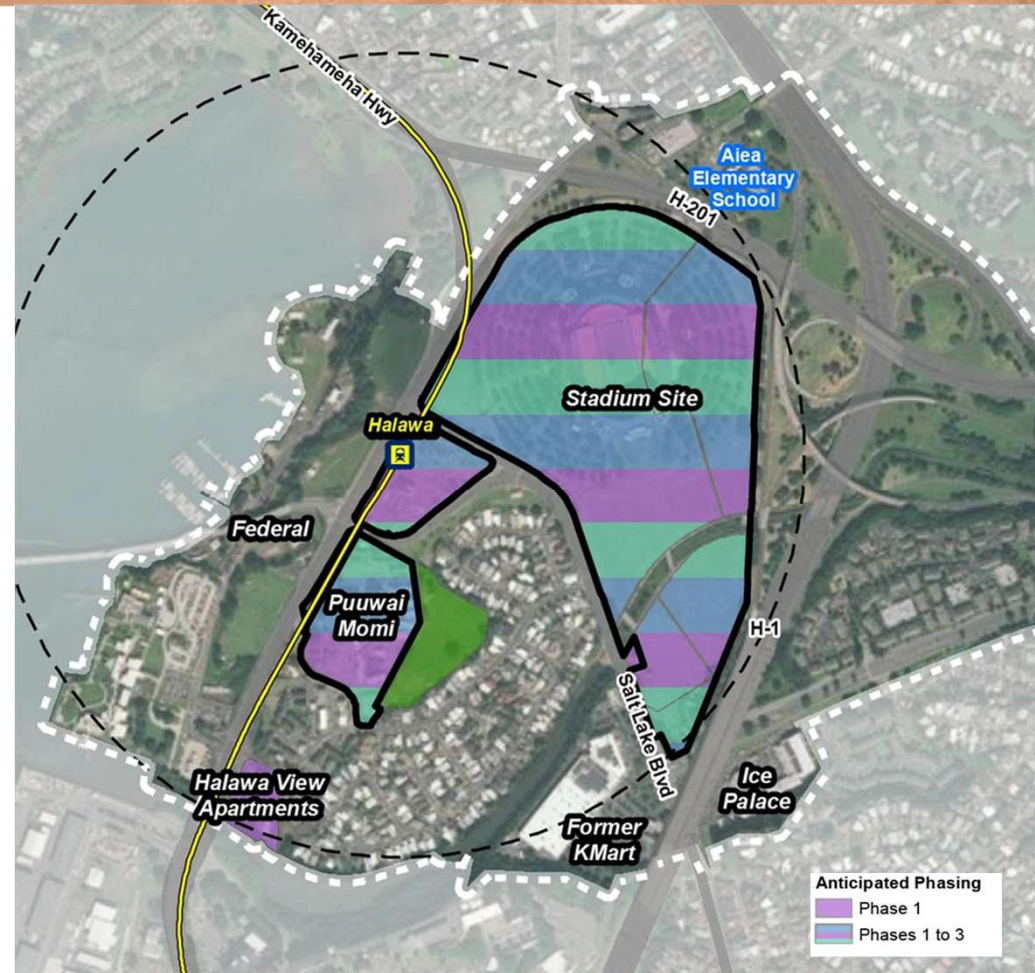
	Residential (Units)	Commercial (SF)	Industrial (SF)	Hotel (rooms)
Existing	1,140	---	0	0
Phase 1: Additional (0-10 Years)	1,400	333,000	0	~230
Phase 2: Additional (11-20 Years)	1,940	413,500	0	0
Phase 3: Additional (20-40+ Years)	2,590	973,500	0	0
Total Anticipated Buildout*	7,070	1,720,000	0	~230

*Development estimates subject to change. Includes existing inventories.

Hālawā-Stadium: Phase 1 Plan (2020-2029)

Net new development*

- Residential – 1,400 homes
- Commercial/Mixed-Use – 0.3 million SF
- Hotel – 230 rooms
- New stadium – 35,000 seats

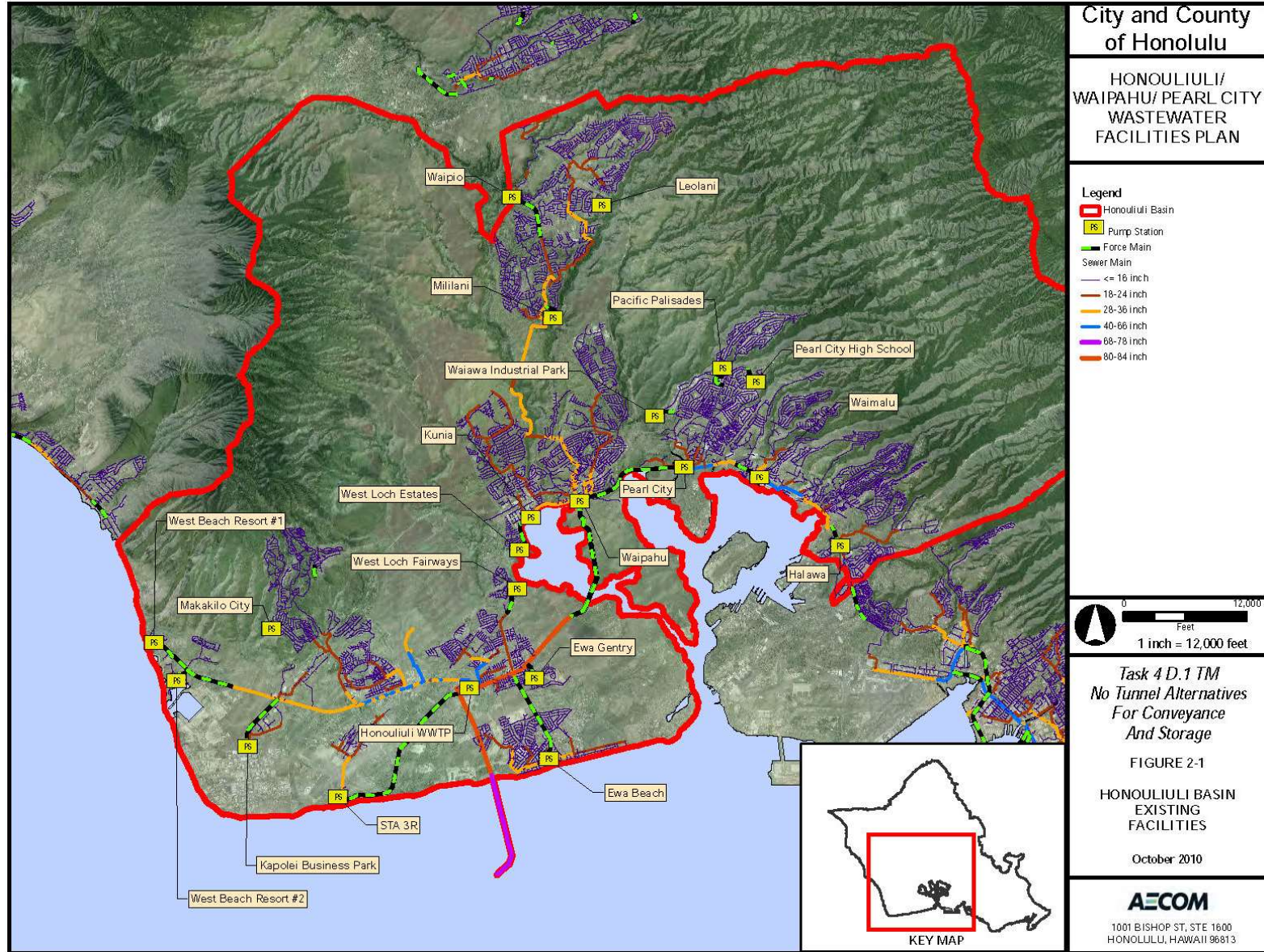


* Figures based on preferred plans by agency and other stakeholders and represent new facilities NET OF existing facilities expected to be demolished.

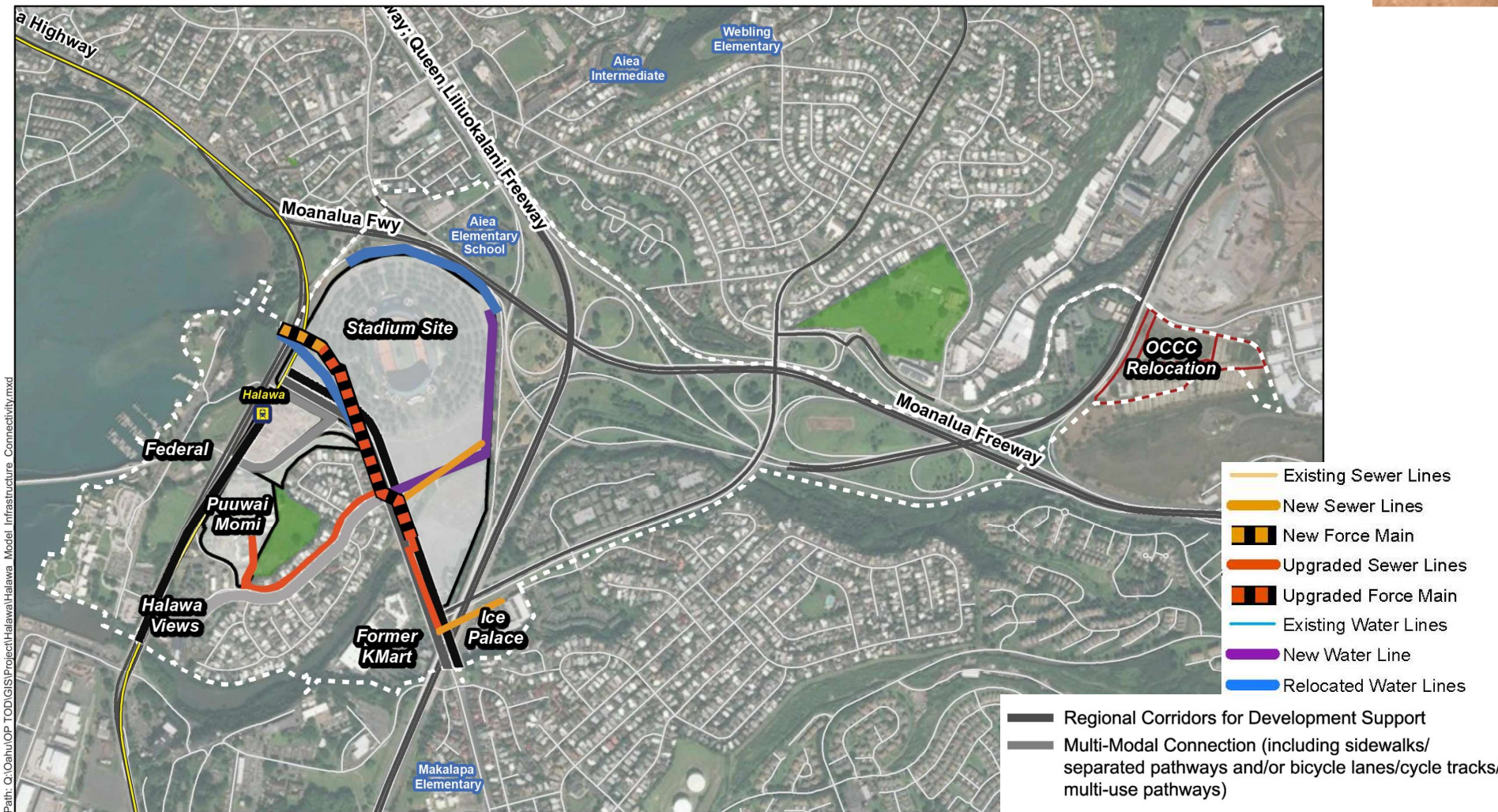
An aerial photograph of the Hālawā area in Hawaii, overlaid with a network of infrastructure. A brown diagonal band covers the bottom-left corner. Several yellow circular markers are placed on the map, connected by a thin red line, indicating specific infrastructure nodes or stations. The map shows a mix of urban development, roads, and natural terrain.

Hālawā-Stadium Infrastructure Needs and Costs

HĀLAWA-STADIUM STATE LANDS: WASTEWATER FACILITIES PLAN



HĀLAWA-STADIUM STATE LANDS: NEW-UPGRADED FACILITIES



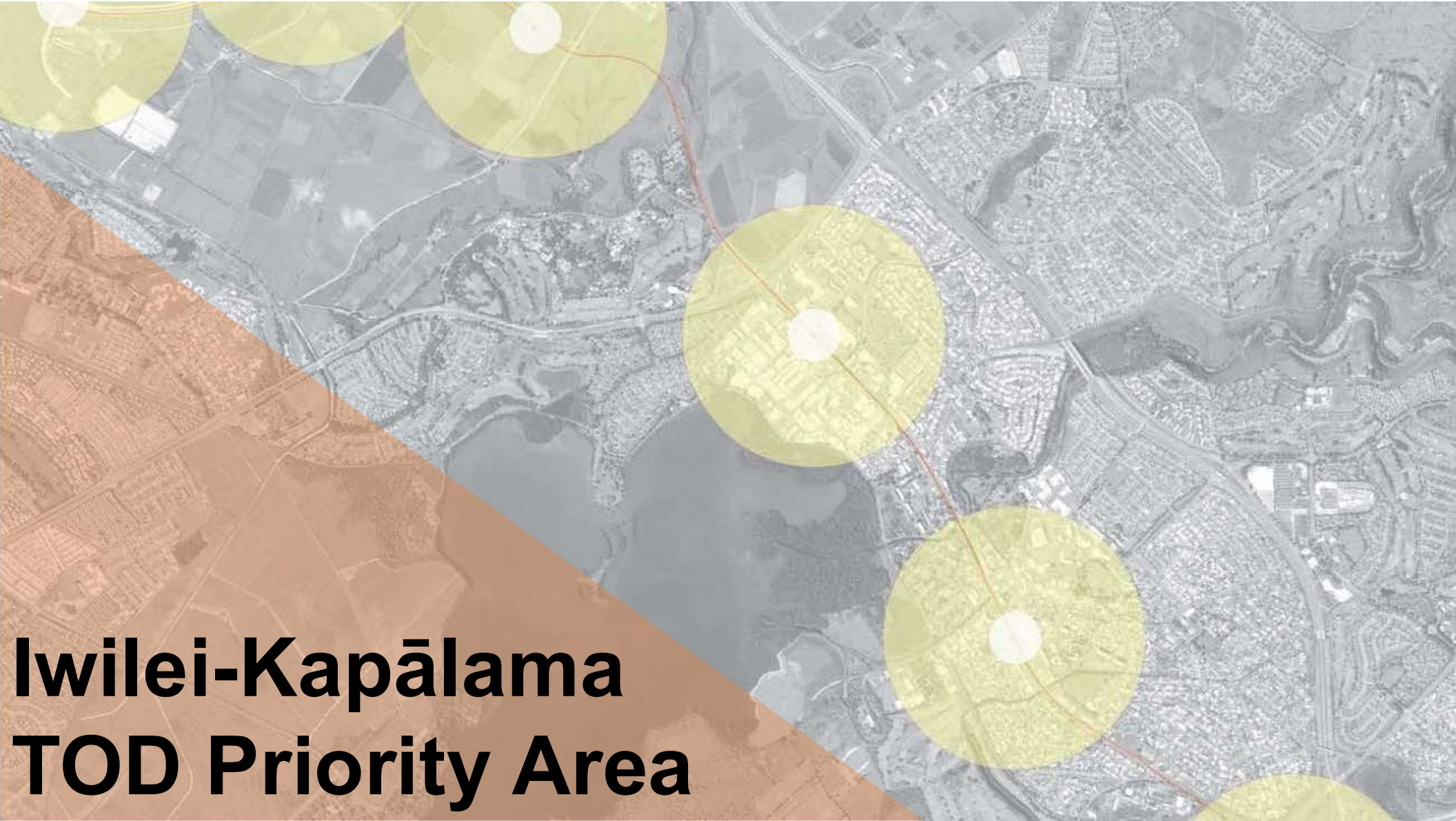
Hālawā Stadium – Total Regional and Regional-Project Costs by Phase (2019 dollars, in millions)

Phase 1	Phases 2-3	Total
\$385.1	\$662.0	\$1,047.1

- Developed from detailed analysis from engineering consultant based on preferred plans, existing, needed, and deficit infrastructure
- \$271.3 million funding already committed to Phase 1 projects

Description	Improvement	New/Deficit	(2020-2030)		Existing Funding 2-year CIP	Existing Funding 6-Year CIP	Existing Funding Other	Required Net Funding Amount Phase 1 Costs
			Phase 1	Soft Costs [1]				
Halawa WWPS Force Main System Improvements (CCH CIP)	SEWER	Deficit	\$4,600,000	\$0	(\$4,600,000)			\$0
Halawa WWPS (New from PER), Const 2032-2036	SEWER	New	\$0	\$0				\$0
Halawa FM (New from PER), Const 2031-2034	SEWER	New	\$0	\$0				\$0
Pearl City WWPS, Force Main, and Sewer System Alternative	SEWER	Deficit	\$16,800,000	\$0	(\$16,800,000)			\$0
Waipahu WWPS Force Main (Proposed New 3rd FM for Waipahu WWPS, CCH CIP)	SEWER	Deficit	\$65,000,000	\$13,000,000			(\$78,000,000)	\$0
Waipahu WWPS Force Main Rehabilitation (Rehabilitation of Existing Dual FM)	SEWER	Deficit	\$45,200,000	\$0	(\$800,000)	(\$44,400,000)		\$0
Pearl City/Waipahu Sewer Tunnel (Proposed New Trenchless Gravity Line from Pearl City to Waipahu)	SEWER	Deficit	\$0	\$0				\$0
Pearl City/Waipahu Tunnel WWPS (Proposed New WWPS by Waipahu to Reconnect Pearl City and Waipahu Trunk Sewers to Provide Capacity between Pearl City and Waipahu)	SEWER	New	\$16,700,000	\$3,340,000				(\$20,040,000)
Waimalu WWPS Force Main (New)	SEWER	New	\$0	\$0				\$0
Waimalu WWPS Reconstruct/Replace	SEWER	New	\$0	\$0		\$0		\$0
Temporary WWTP for Phase 1	SEWER	New	\$15,000,000	\$0			(\$15,000,000)	\$0
Relocation and Upgrade of Existing Sewer (with New School in Puuawai Momi)	SEWER	New	\$7,554,000	\$1,510,800				\$9,064,800
Modify the section of Salt Lake Blvd. between Kamehameha Hwy and Puuloa Rd	STREETS	New	\$360,000	\$72,000				\$432,000
Off-street shared use path on the mauka side of Salt Lake Blvd. between Kamehameha Hwy and Puuloa Rd	STREETS	New	\$6,000,000	\$1,200,000				\$7,200,000
Off-street shared use path on the Diamond Head side of Kamehameha Hwy from Puuloa Rd to Kalalao Street	STREETS	New	\$4,800,000	\$960,000				\$5,760,000
Traffic calming on Kalalao Street	STREETS	New	\$600,000	\$120,000				\$720,000
Salt Lake Blvd Widening (CCH CIP)	STREETS	New	\$93,300,000	\$0		(\$86,560,000)		\$6,740,000
Complete Street	STREETS	New	\$30,000,000	\$4,000,000				\$34,000,000
Elevated Pedestrian Crossings (3)	STREETS	New	\$11,000,000	\$2,200,000				\$13,200,000
Halawa Stream Dredging (Sediment is built up in Halawa Stream and dredging is needed to maintain stream flow)	STORM	Deficit	\$5,100,000	\$1,020,000	(\$750,000)			\$5,370,000
Salt Lake Boulevard 36" Main - Foster Village to Aliamanu (525 feet South of Momi)	WATER	New	\$4,300,000	\$0	(\$4,300,000)			\$0
Relocation and Upgrade of Existing Water Main	WATER	New	\$0	\$0				\$0
Relocation and Upgrade of Existing Water Main (If existing doesn't remain within ROW)	WATER	New	\$0	\$0				\$0
46-kV Underground Duct System	ELECTRICAL	New	\$11,000,000	\$2,200,000				\$13,200,000
84' ROW Backbone Road, from Salt Lake Blvd Intersection to Kamehameha Hwy	STREETS	New	\$9,104,000	\$0			\$0	\$9,104,000
Intersections (1 large inters. at Kamehameha Hwy)	STREETS	New	\$6,000,000	\$0			\$0	\$6,000,000
136' ROW Salt Lake Blvd Realignment	STREETS	Deficit	\$0	\$0				\$0
Intersections (1 large inters conn. at Salt Lake Blvd/Kamehameha Hwy)	STREETS	Deficit	\$6,000,000	\$1,200,000				\$7,200,000
78' ROW Road Connecting to Salt Lake Blvd	STREETS	Deficit	\$0	\$0				\$0
Intersections (1 large inters. at Salt Lake Blvd and 1 large inters at Kamehameha Hwy)	STREETS	Deficit	\$12,000,000	\$2,400,000				\$14,400,000
Slip Ramp (from H-1 Freeway to Stadium Site, Length=1,200 LF)	STREETS	Deficit	\$0	\$0				\$0
Pedestrian Bridge Improvements (Ped. Bridge Overpass at H-1 Freeway from Stadium Site to Stadium Site)	STREETS	Deficit	\$0	\$0				\$0
TOTAL			\$ 360,418,000	\$ 33,222,800	\$ (27,250,000)	\$ (130,960,000)	\$ (113,040,000)	\$ 122,390,800

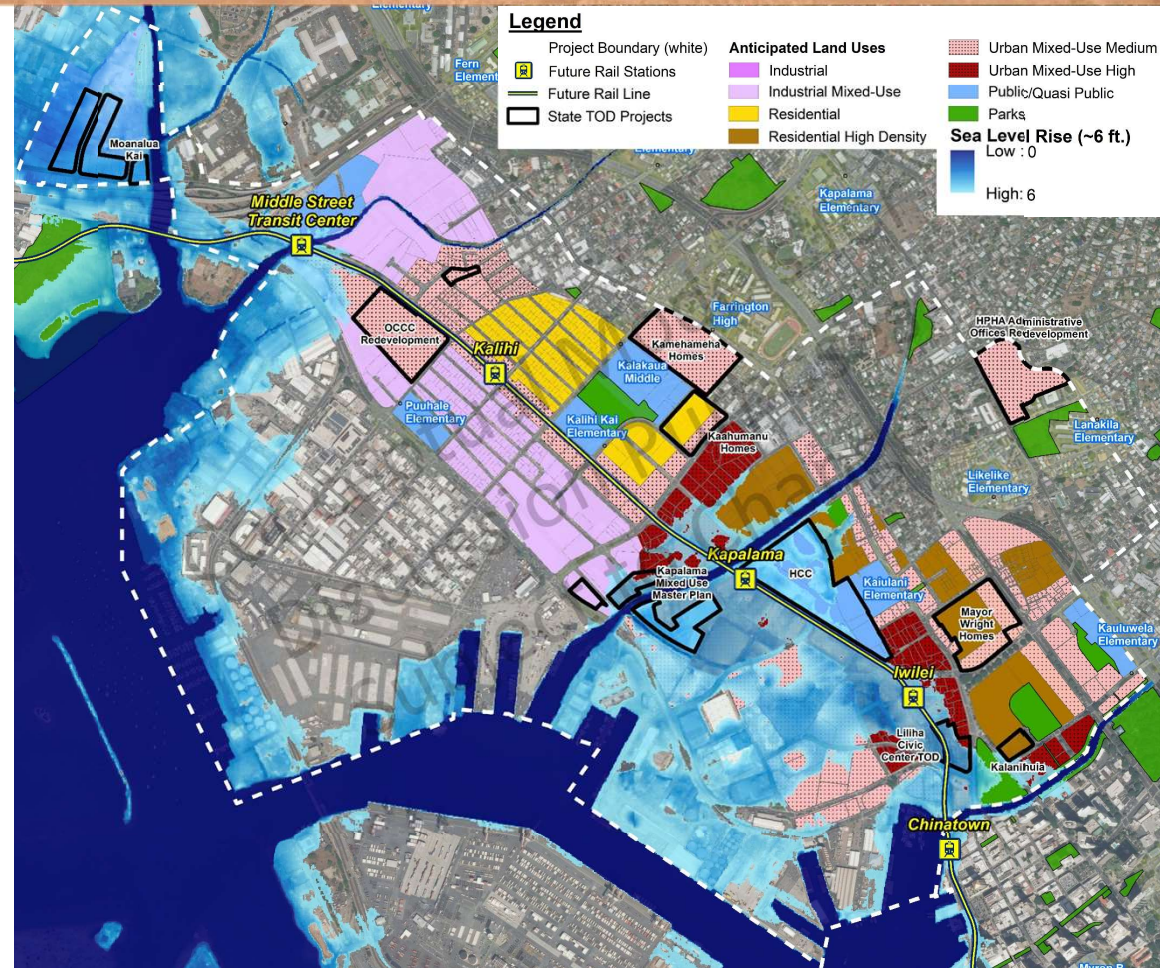
*Note: This table does not include onsite project infrastructure.
 ** Subject to change.



Iwilei-Kapālama TOD Priority Area

Preferred Alternative: Iwilei-Kapālama

- ✓ Baseline = TOD identified zoning without Sea Level Rise
- ✓ Order of magnitude costs for the region, based on Adaptation Pathway hypotheticals
- ✓ Additional public-school capacity: two 3-acre DOE sites
- ✓ Assume OCCC relocates to Hālawa and the property is rezoned for TOD



Preferred Alternative: Iwilei-Kapālama Anticipated Development Model

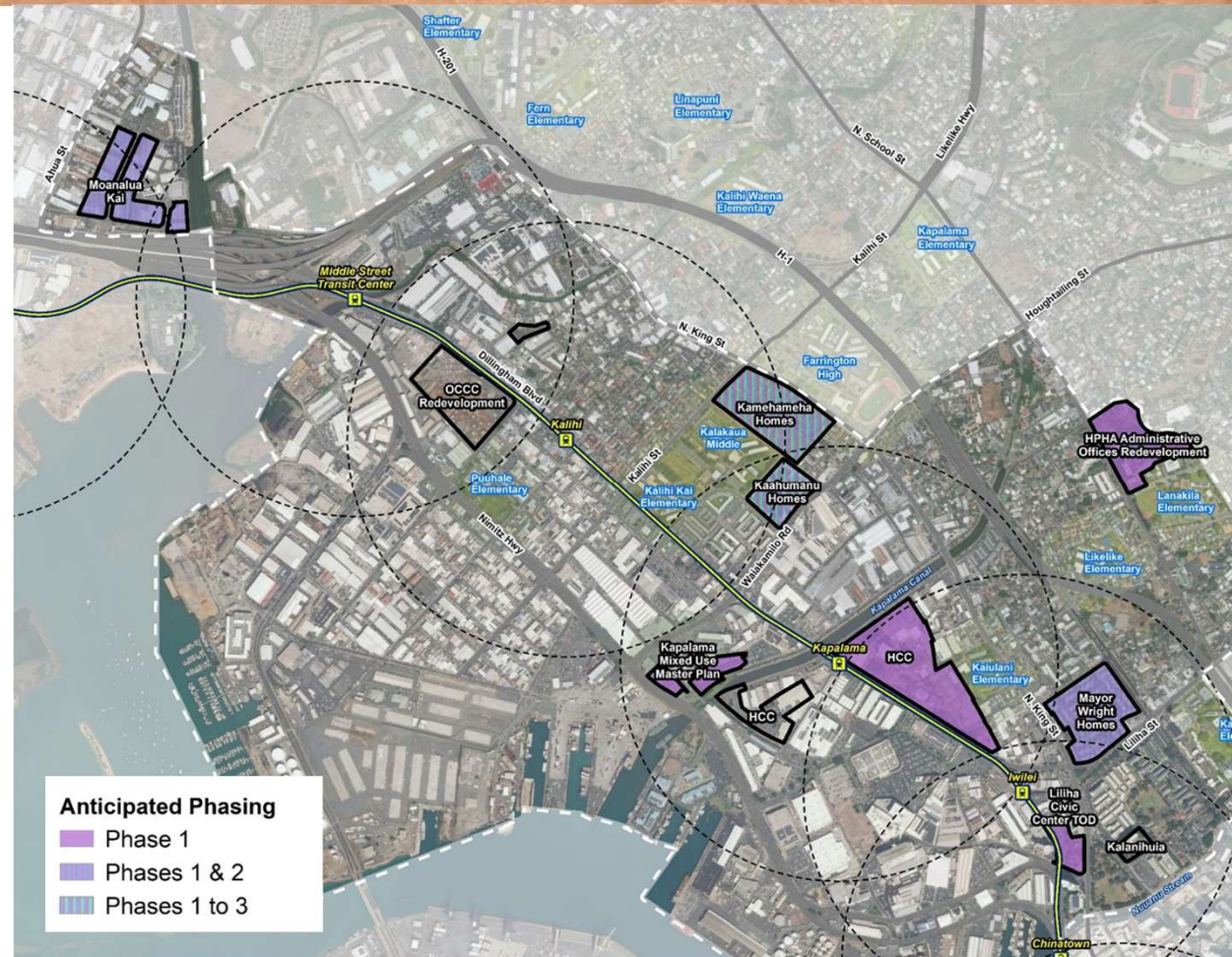
	Residential (Units)	Commercial (SF)	Industrial (SF)*
Existing	8,810	19,764,700	---
Phase 1: Additional (0-10 Years)	6,950	1,067,000	1,482,000
Phase 2: Additional (11-20 Years)	9,880	3,856,000	635,000
Phase 3: Additional (20-40+ Years)	6,030	2,986,000	0
Total Anticipated Buildout*	24,870	20,037,300	2,117,000

*Development estimates subject to change. Includes existing inventories.

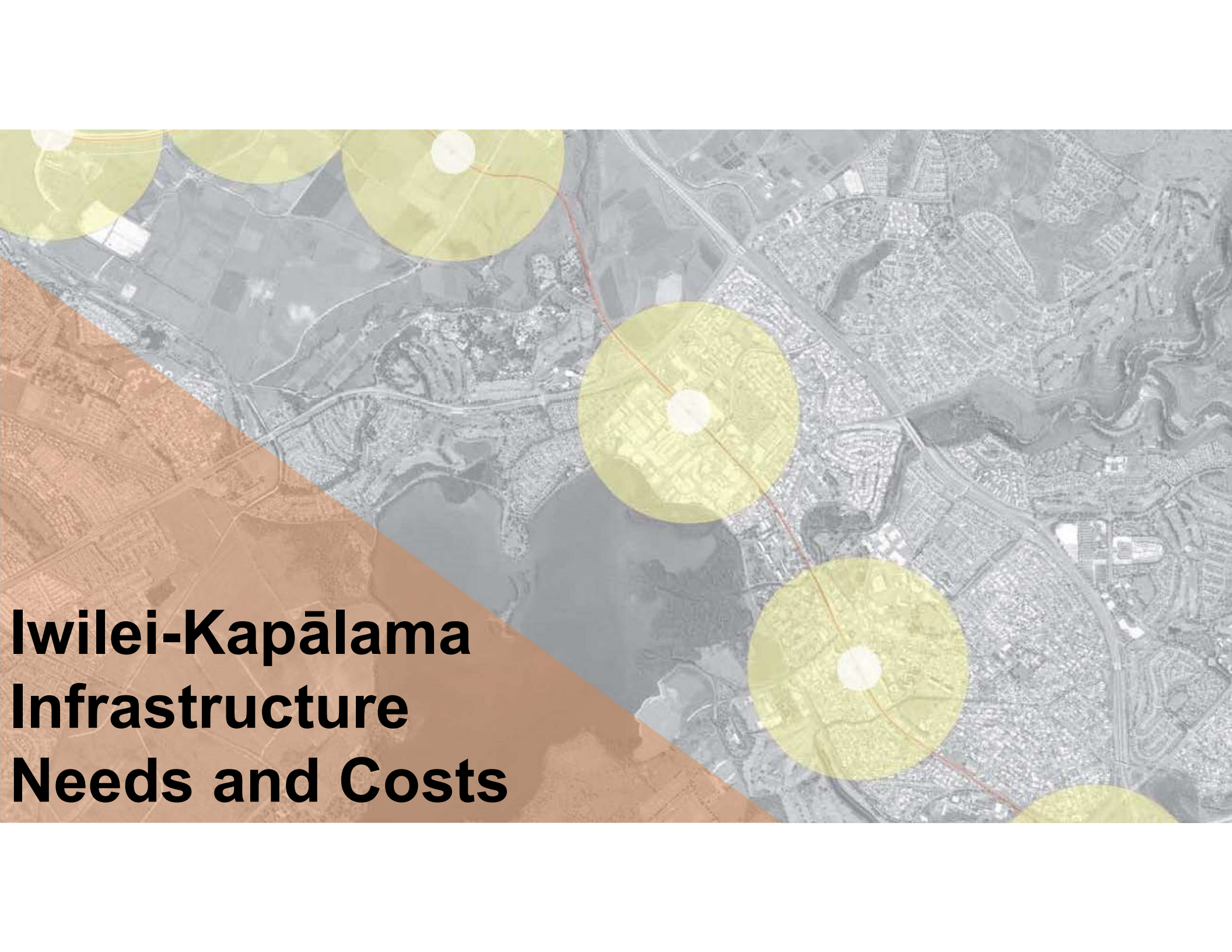
Iwilei-Kapalama: Phase 1 Plan (2020-2029)

Net new development*

- Residential – 3,400* homes
 - 4,500 total re/development
- Commercial – 0.5 million* SF
 - 0.9 million SF total re/development
- Industrial – (0.2) million* SF decline
 - 0.5 million SF total re/development

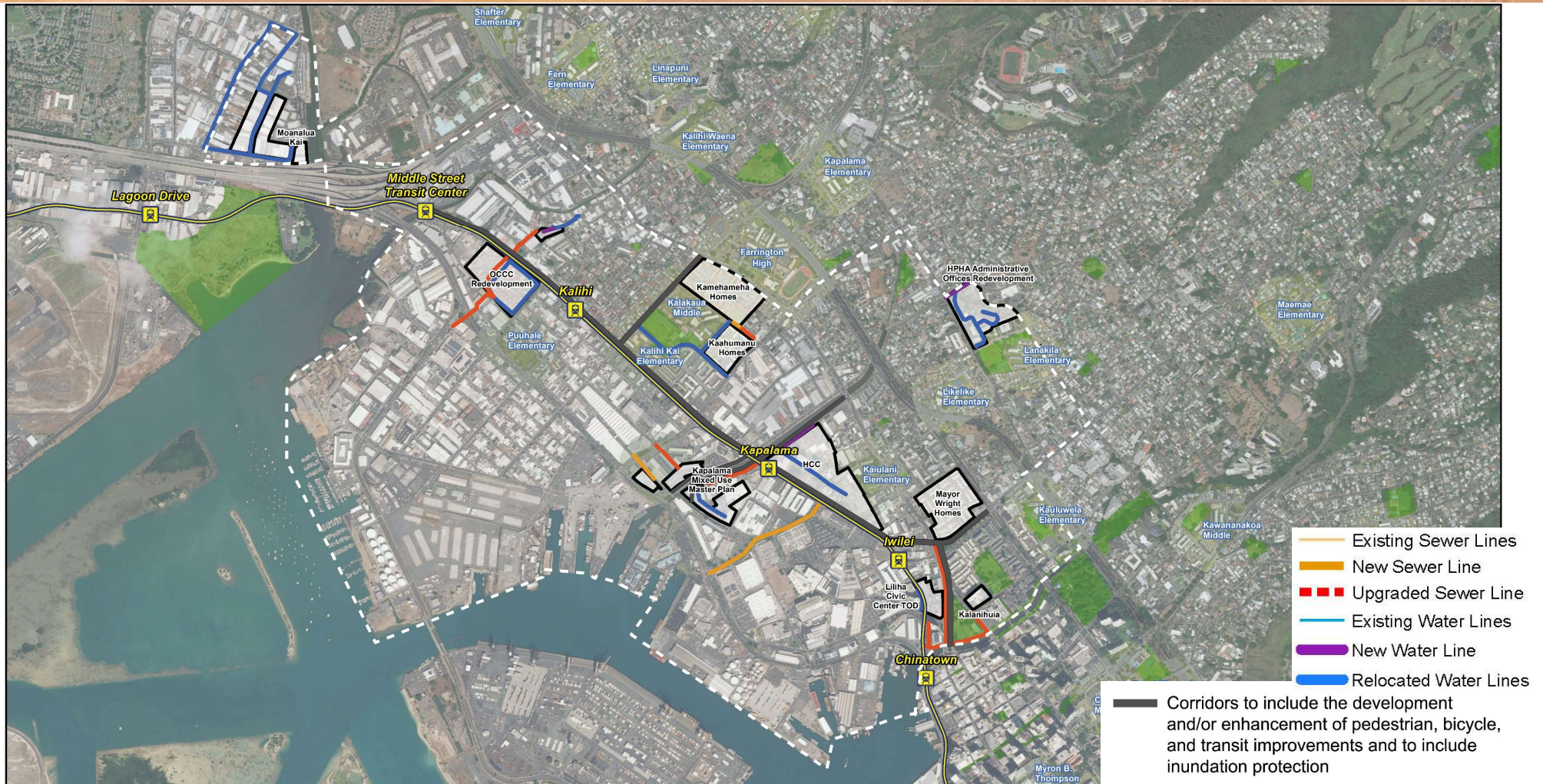


* Figures subject to change based on stakeholder inputs; and represent new facilities NET OF existing facilities expected to be demolished.

An aerial photograph of the Iwilei-Kapālama area in Honolulu, Hawaii. The image shows a mix of urban development, including residential buildings and parking lots, and natural features like a winding stream and a large body of water. Overlaid on the map are several semi-transparent yellow circles, each containing a white dot, which likely represent specific infrastructure nodes or points of interest. A thin red line connects some of these nodes, suggesting a network or route. The bottom-left corner of the image is partially obscured by a brown, textured overlay.

Iwilei-Kapālama Infrastructure Needs and Costs

IWILEI-KAPĀLAMA STATE LANDS: NEW-UPGRADED FACILITIES



Iwilei-Kapālama– Total Regional and Regional-Project Costs by Phase (2019 dollars, in millions)

Phase 1	Phases 2-3	Total
\$444.6	\$1,340.5	\$1,785.1

- Developed from detailed analysis from engineering consultant based on preferred plans, existing, needed, and deficit infrastructure
- \$240.2 million funding already committed to Phase 1 projects

Item	Description	Improvement	New/Deficit	(2020-2030)	Soft Costs [1]	Existing Funding 2-year GP	Existing Funding 6-Year GP	Existing Funding Other	Required Net Funding Phase 1 Costs
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* Note: This table does not include onsite project infrastructure.
 ** Subject to change based on UHWO Mauka MP demand.



**Priority Areas
Combined:
Infrastructure Costs**

Plans Require an Estimated \$5.5 billion in Infrastructure Investments (2019 dollars)

In millions:

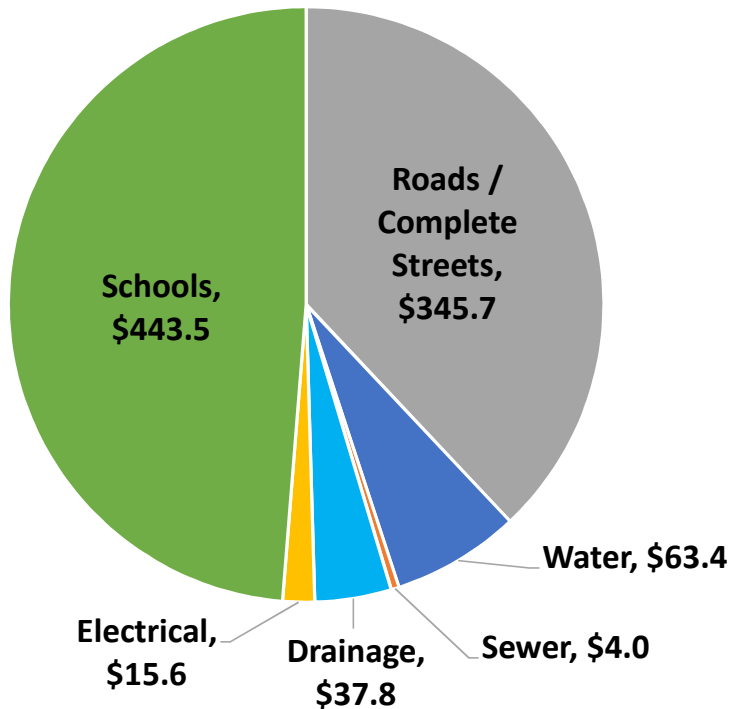
	Phase 1	Phases 2-3	Total
East Kapolei	\$909.9	\$1,683.1	\$2,593.0
Hālawā-Stadium	\$393.6	\$662.0	\$1,055.6
Iwilei-Kapālama	\$493.7	\$1,340.5	\$1,834.2
Total	\$1,797.3	\$3,685.6	\$5,482.8

Source: RM Towill Corporation. Figures in 2019 dollars. Rough order of magnitude estimates based on preferred plans as identified by agency and other stakeholders; all figures subject to change.

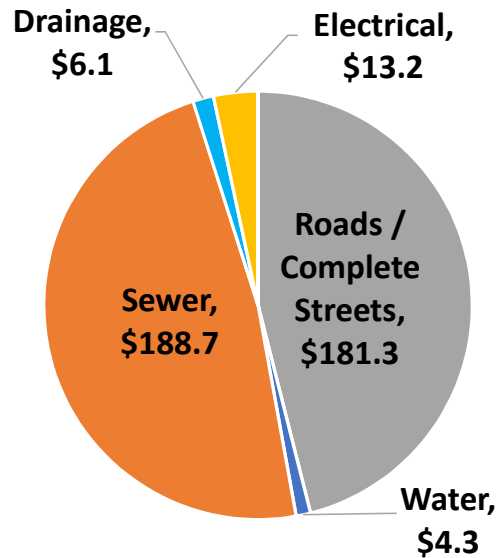
Phase 1 Costs by Type and TOD Area: Estimated \$1.8 billion

(2019 dollars, in millions)

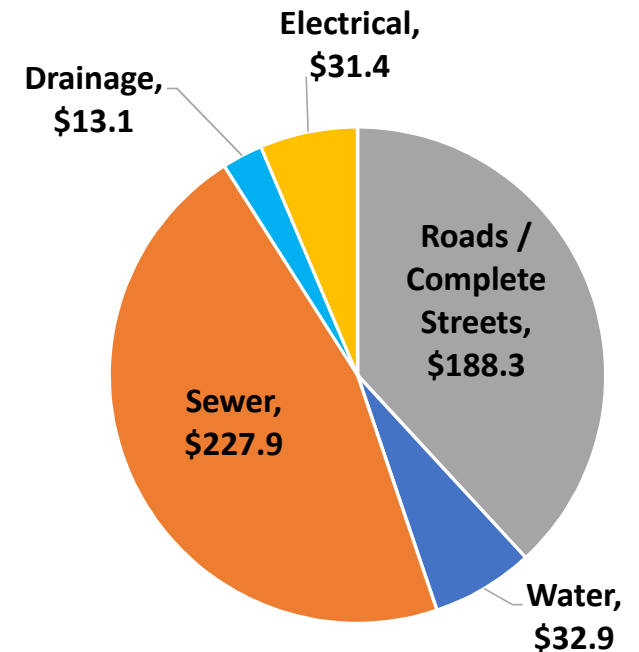
East Kapolei
\$909.9 million



Hālawā-Stadium
\$393.6 million



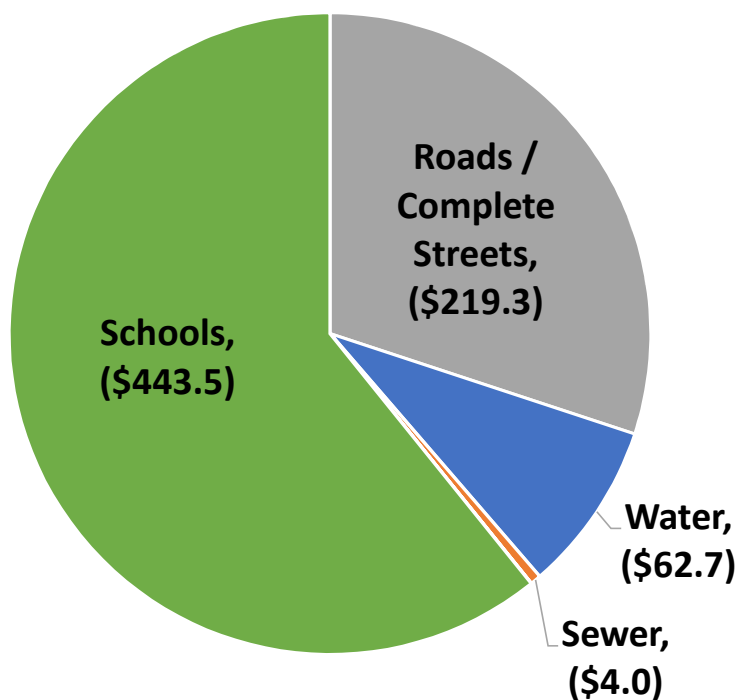
Iwilei-Kapālama
\$493.7 million



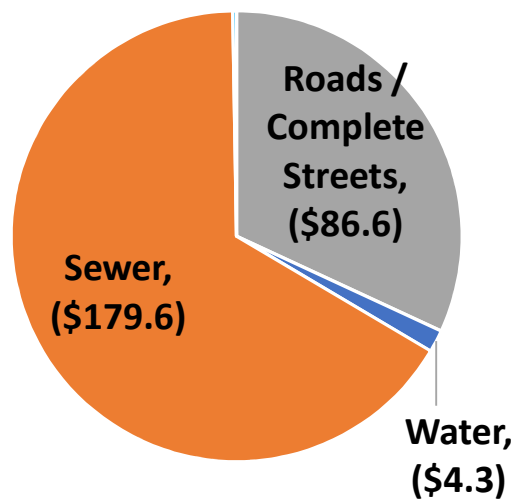
Source: RM Towill Corporation. Figures in 2019 dollars. Rough order of magnitude estimates based on preferred plans as identified by agency and other stakeholders; all figures subject to change.

Current Phase 1 Funding by Project Type and TOD Area: Estimated \$1.24 billion (2019 dollars, in millions)

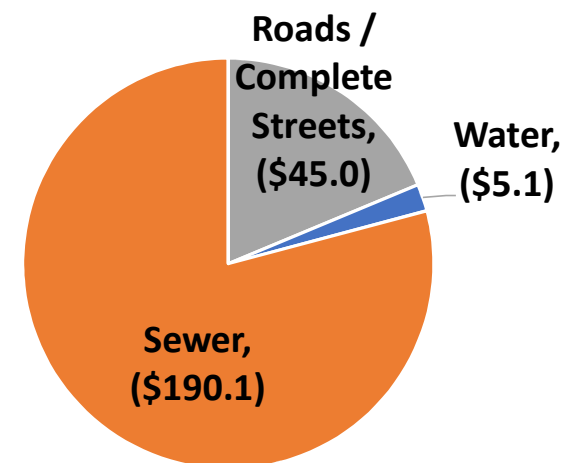
East Kapolei
(\$729.5 million)



Hālawā-Stadium
(\$271.3 million)



Iwilei-Kapālama
(\$240.2 million)

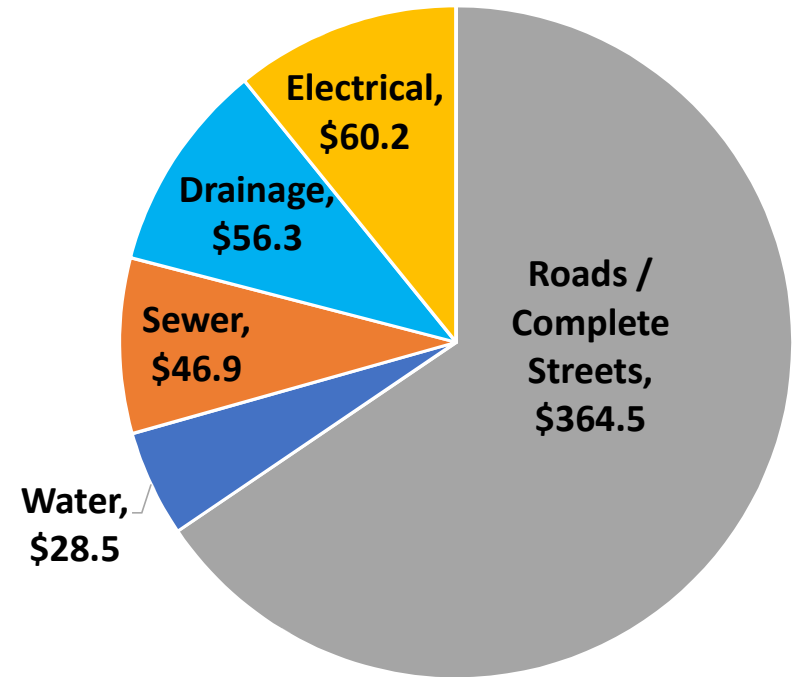


Source: RM Towill Corporation. Figures in 2019 dollars. Rough order of magnitude estimates based on preferred plans as identified by agency and other stakeholders; all figures subject to change.

Phase 1 Remainder to be Funded: Estimated \$0.56 billion (2019 dollars)

In millions:

	New	Deficit	Total
Roads / Complete Streets	\$251.7	\$112.8	\$364.5
Water	\$5.3	\$23.2	\$28.5
Sewer	\$42.0	\$4.9	\$46.9
Drainage	\$40.1	\$16.2	\$56.3
Electrical	\$47.0	\$13.2	\$60.2
Schools	\$0.0	\$0.0	\$0.0
Total	\$386.1	\$170.3	\$556.4



Source: RM Towill Corporation. Figures in 2019 dollars. Rough order of magnitude estimates based on preferred plans as identified by agency and other stakeholders; all figures subject to change.

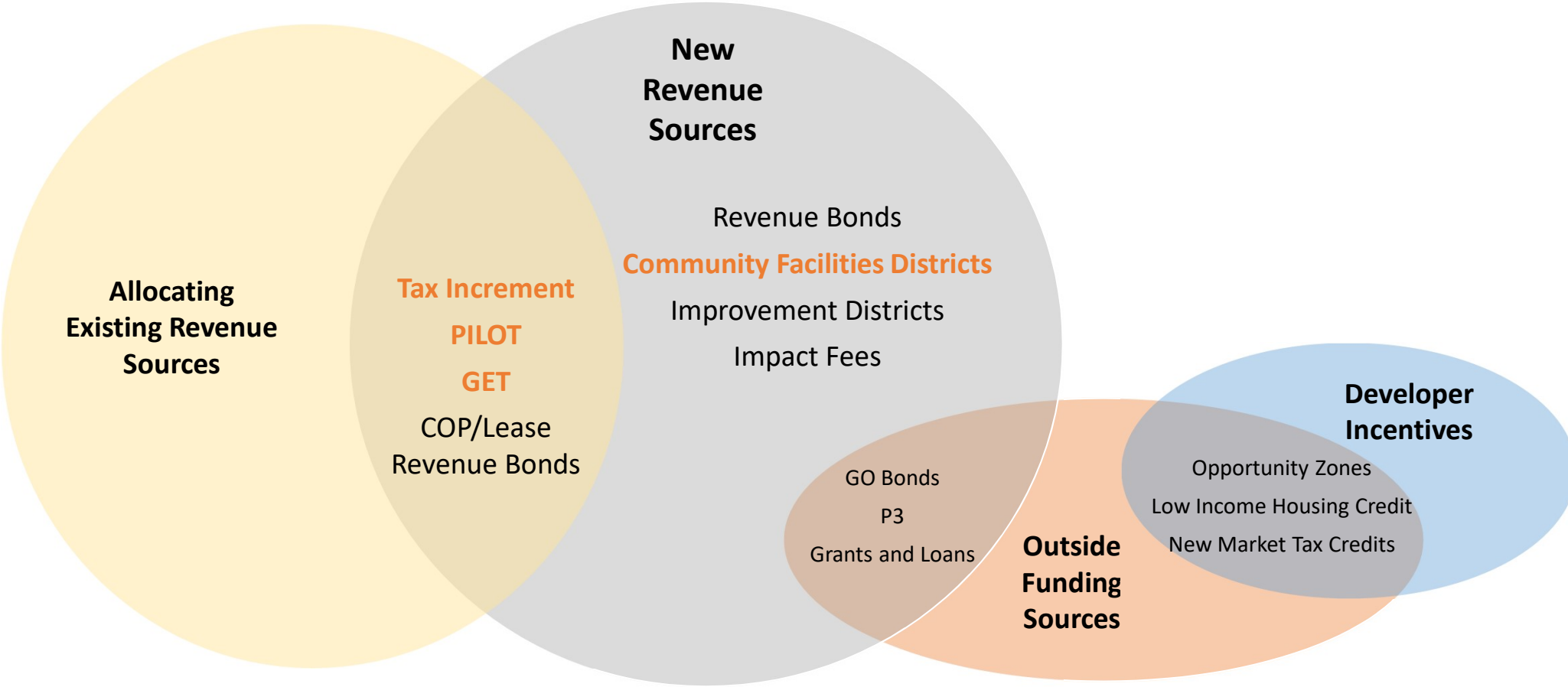


Financing / Funding Tools

Review of Public Finance Alternatives: Funding vs. Financing

- For a project to be financeable now, it needs a clear revenue stream in the future
- **Financing** is the raising of this upfront capital to expedite the process
- **Funding** is the revenue stream in the future to repay the financing

Review of Public Finance Alternatives: Potential Funding Sources



Public Finance Alternatives Modeled: No Reduction to Existing Public Revenues

	Brief Description
Value capture: One-time State GET on construction *	Allocation of existing GET resulting from new development in TOD areas
Value capture: Recurring State GET on operations *	Allocation of incremental amount of GET resulting from new expenditures or sales. Modeled for: <ul style="list-style-type: none"> • Retail sales • Commercial and industrial space rents • Hotel room revenues
Value capture: County real property taxes (RPT) *	Capture share of incremental increase in RPT revenue as a result of the new developments in TOD areas
Community Facilities Districts (CFDs)	District authorized by property owners and County to levy special taxes to fund public improvements

Similar tools have been successfully implemented elsewhere, implementation in Hawaii would require further investigation and legal counsel to determine how to structure.

* Most value capture methods may be structured for administrative purposes as a Payment in Lieu of Taxes, or PILOT.



Financing / Funding Scenarios

Framework of the Financing Model*

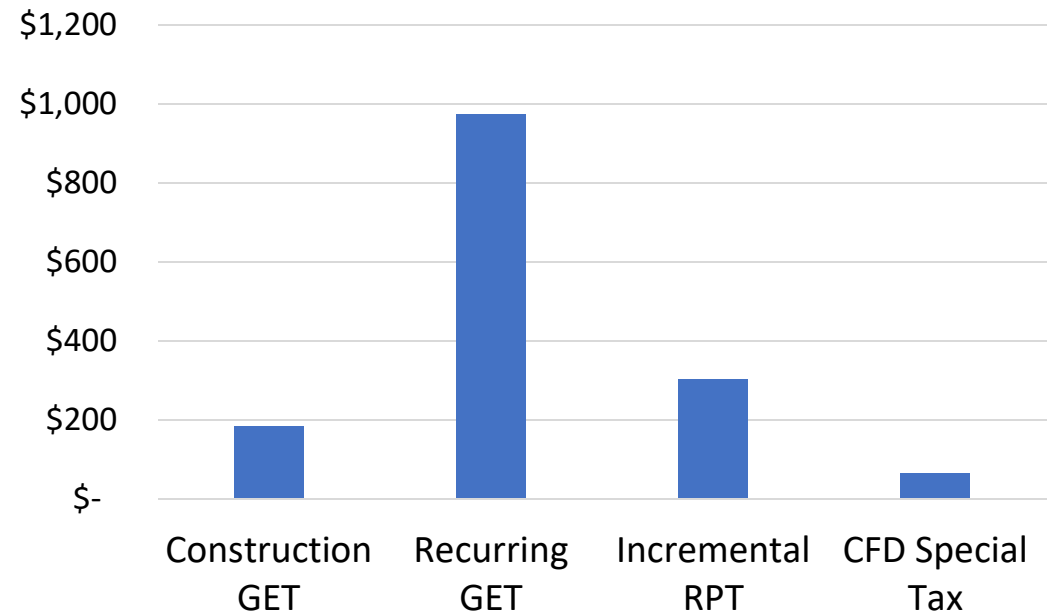
- Corridor approach, Phase 1 only (2020-2029)
- Goal is to fund the unfunded portion - \$0.56 B
- Constant 2019 dollars
- Model tested combinations of various alternative mechanisms

*Subject to change based on assumptions related to costs and timing of TOD infrastructure, development projections, and other input parameters

Alternative Financing Tools Evaluated*

- Value Capture – share of future new revenues:
 - GET on new construction
 - GET on new operations
 - RPT on new/redeveloped properties
- CFD - Special Tax

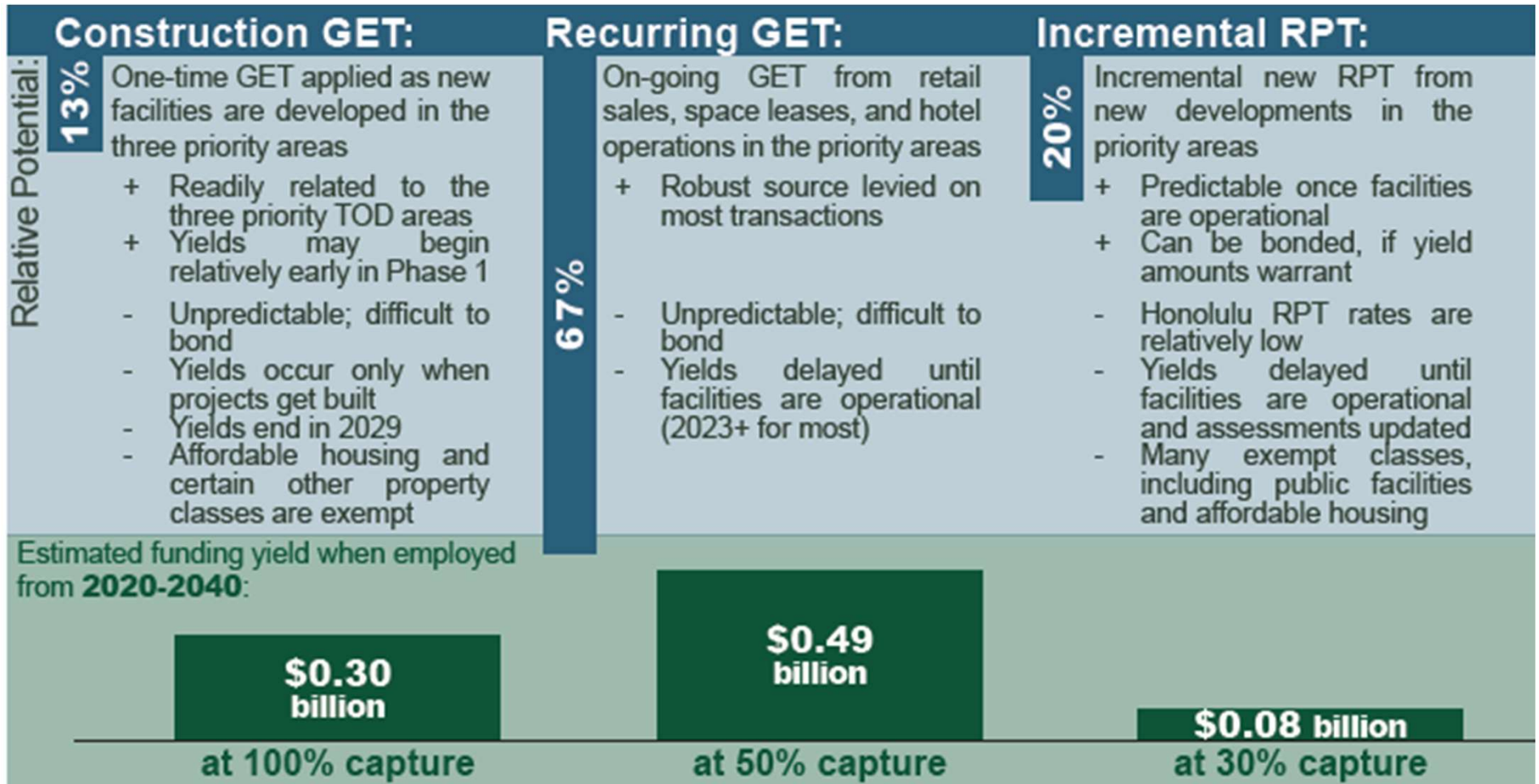
**Benchmark capacity of VC tools:
2019 dollars, in millions**



*Subject to change based on development scenarios and timing, tax policy changes and other; does not represent recommended funding approach. Based on Phase 1 development yields from 2021 through 2040.

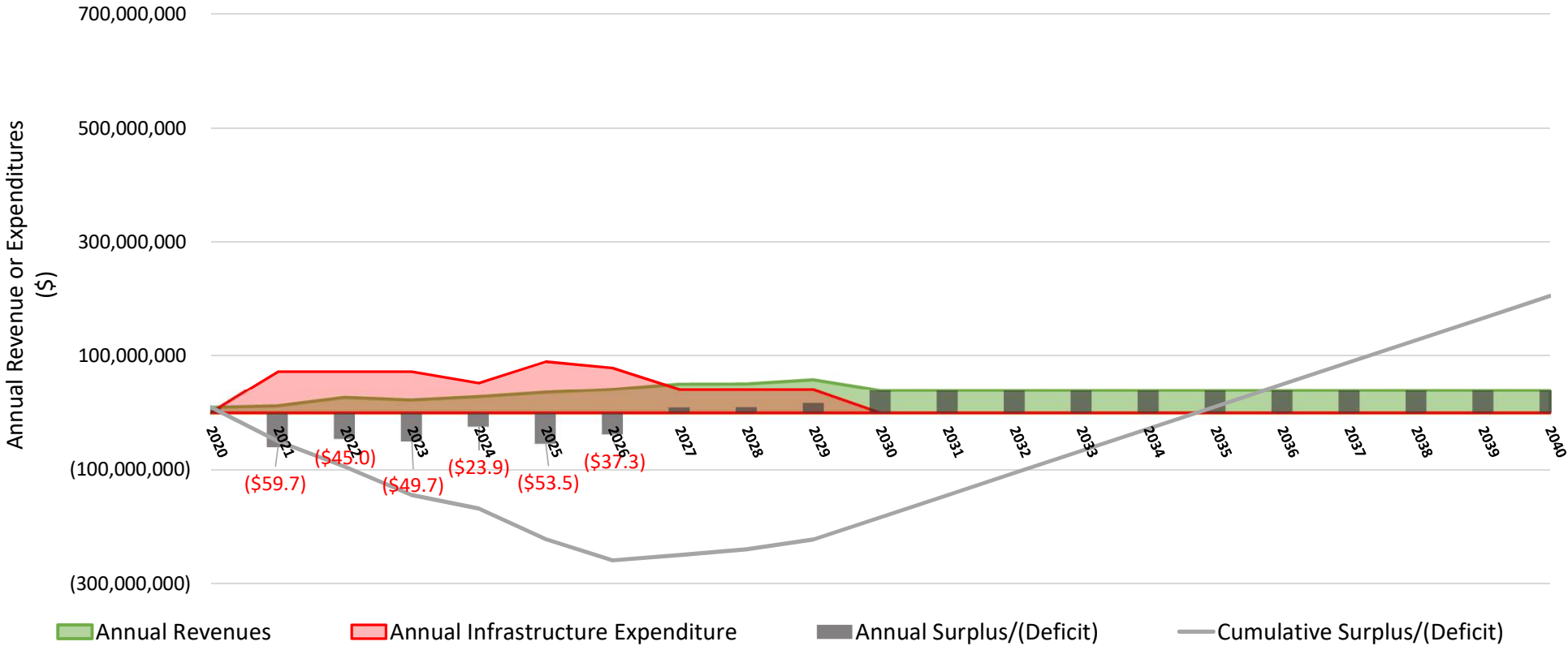
Scenario 1: Preferred Value Capture Tools

Applied to new facilities in TOD Priority Areas only (2019 dollars, in billions)



Scenario 1: Selected Value Capture Tools

OP TOD Project and Financing Summary for Phase 1 Infrastructure
Three Priority TOD Areas



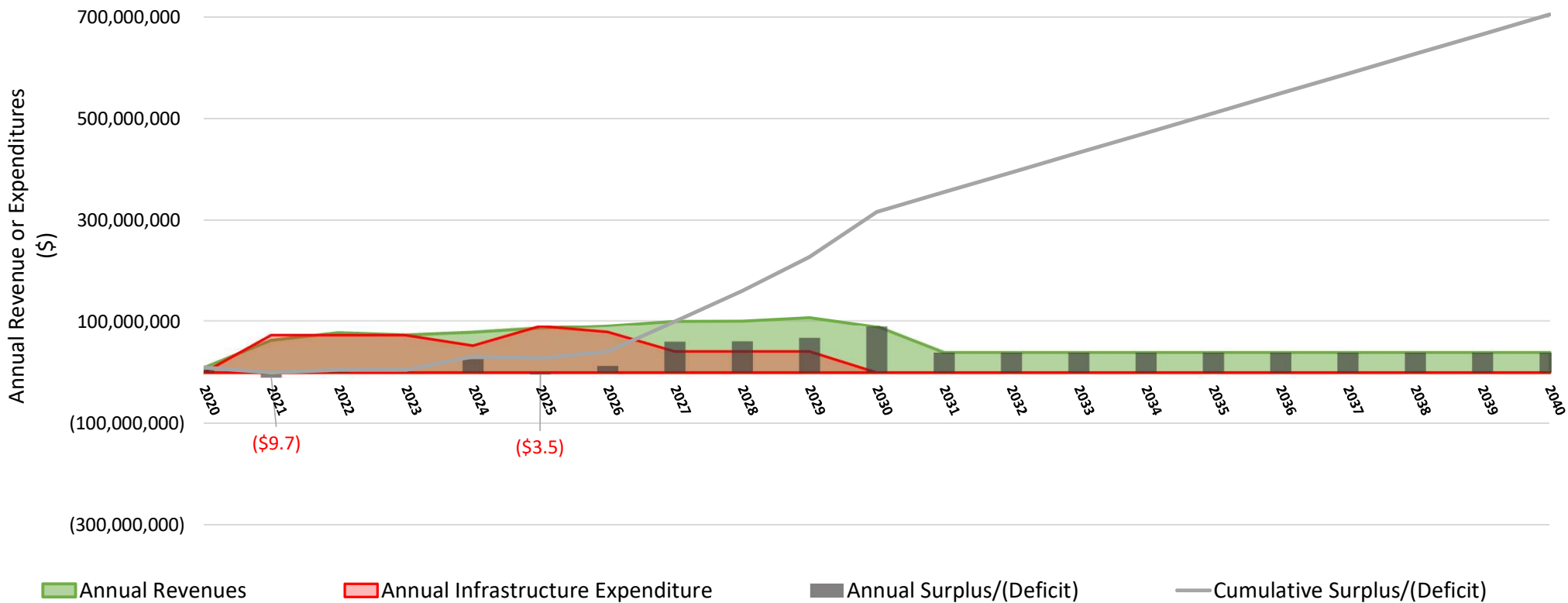
Figures in 2019 dollars. Numbers based on current maximum funding scenario as shown; all figures subject to change.

Scenario 2: Enhance Scenario 1 for Gap and Long-Term Funding

- GET surcharge was suggested by stakeholders as “gap” solution
- Allocate these monies to public/regional infrastructure needs of the TOD Priority Areas
- 0.10% of State GET revenues on O‘ahu for 10 years meets goals
- If implemented as a surcharge, will not impact revenues available to State General Fund or other uses, but will represent a rate increase to taxpayers
- Surcharge could sunset once initial gap funding needs are met

Scenario 2: Enhance Scenario 1 for Gap and Long-Term Funding

OP TOD Project and Financing Summary for Phase 1 Infrastructure
Three Priority TOD Areas



Figures in 2019 dollars. Numbers based on current maximum funding scenario as shown; all figures subject to change.



Review of Policy Considerations

Policy Considerations: Value Capture

State GET

- Unpredictable, so difficult to bond – likely to require full faith and credit and/or general obligations
- GET on construction occurs relatively early, is short-term
- GET on operations is delayed but has biggest & long-term potential

County RPT

- Some share must be retained to address operations and maintenance of new infrastructure
- Low County RPT generally
- TOD goals include many exempt uses
- More readily bondable once established

How to structure new value capture methods??

- PILOTs (to a public or a P3 fund) or allocations from general fund?
- Implementation would require further investigation and legal counsel.

Policy Considerations: CFDs

Benchmark based on maximum revenue potential as defined:

- **\$65 million potential from Phase 1 developments through 2040, at 15% surcharge to RPT (with bonding)**
- **How would CFD affect marketability of properties on State lands?**
 - **Is a CFD more appropriate for amenities that enhance value?**
- **What should it apply to? (All new housing; commercial; industrial; hotels; public facilities; etc.)**
- **Greater yield if do not bond**

Figures in 2019 dollars. Numbers based on current maximum funding benchmark as presented; does not represent recommended funding approach; all figures subject to change.

Policy Considerations: Other Potential Funding Sources

Change laws to permit new revenue sources – options identified by PIG members:

- **Legalize and tax recreational marijuana**
- **Legalize and tax lotteries and/or gambling**
- **Other**


New taxes or fees:

- **Increase in GET or GET surcharge**
- **Special user fees for stadium or other facilities**
- **Expand application of impact or user fees**

Potential other funding sources; does not represent recommended scenario.

An aerial photograph of a city area, possibly a river valley, with several large, semi-transparent yellow circles highlighting specific locations. A thin red line connects the centers of these circles, forming a path. The bottom-left corner of the image is overlaid with a solid brown diagonal shape.

Next Steps / Q&A

The background of the slide is an aerial photograph of a city area, possibly Honolulu, Hawaii. It features a brown diagonal overlay on the left side and several semi-transparent yellow circles scattered across the map. A semi-transparent white text box is positioned in the upper right quadrant.

For requests for materials and project-related questions, please contact dbedt.op.lud@hawaii.gov or Rodney Funakoshi at: rodney.y.funakoshi@hawaii.gov

If you have additional comments, thoughts, or materials to share, please e-mail Nathalie Razo at: nrazo@pbrhawaii.com

Mahalo!