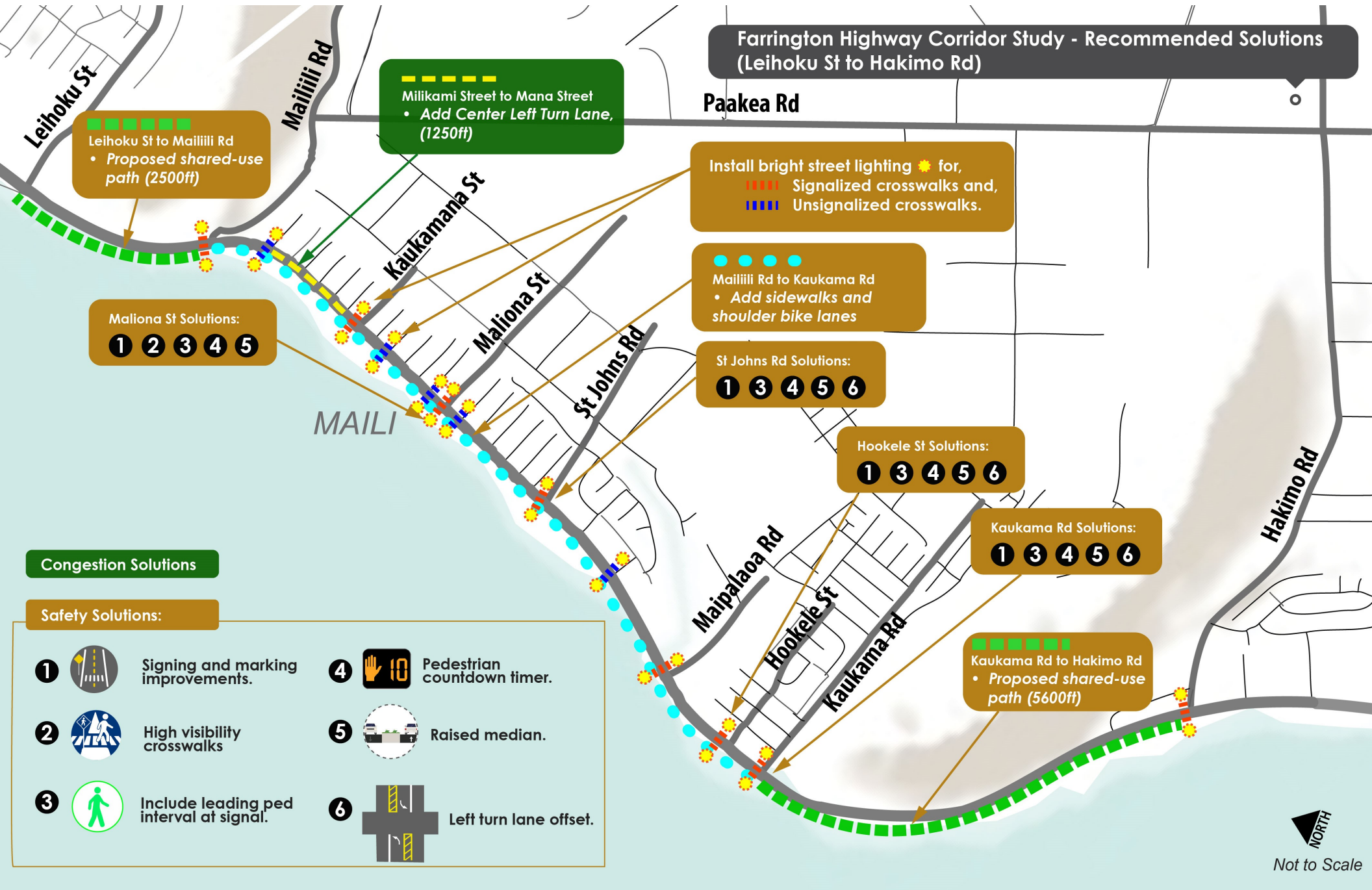
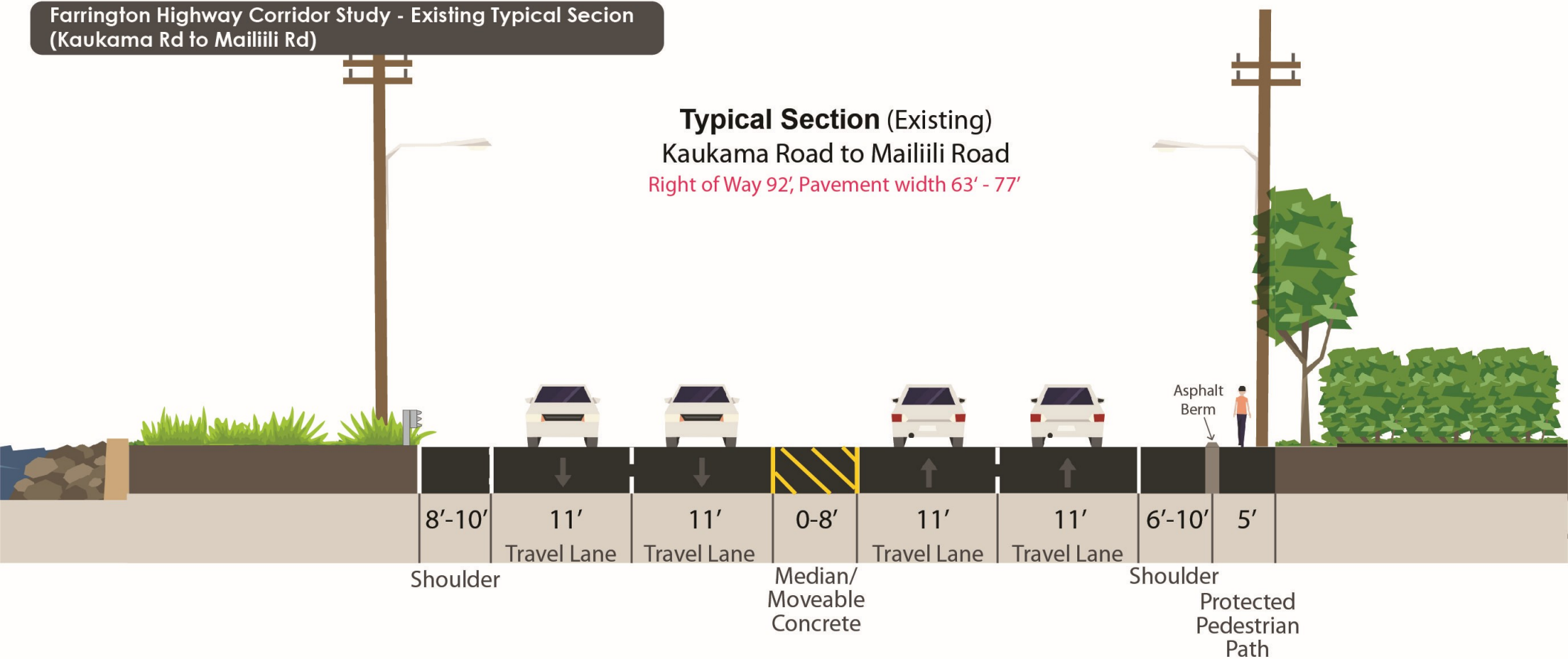


Farrington Highway Corridor Study - Recommended Solutions (Leihoku St to Hakimo Rd)



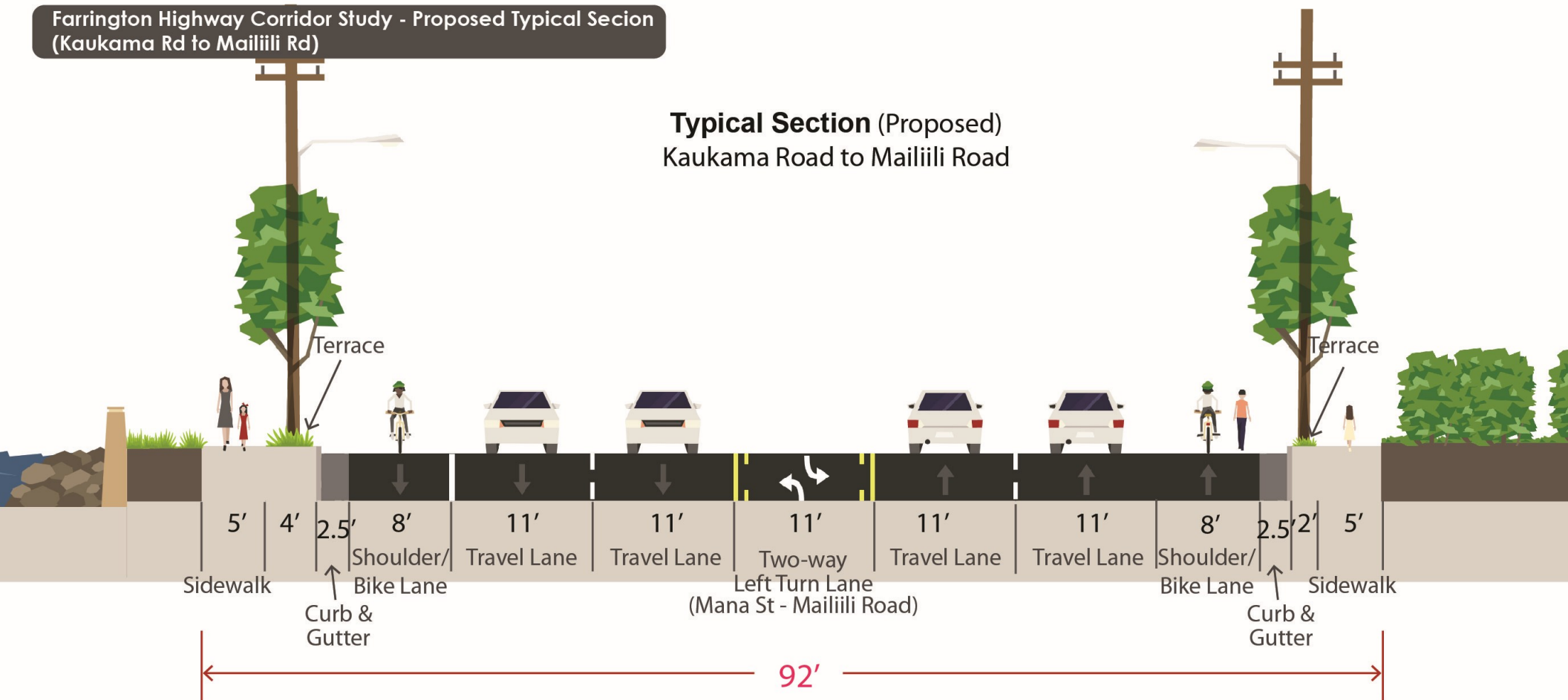
Farrington Highway Corridor Study - Existing Typical Section
(Kaukama Rd to Mailili Rd)

Typical Section (Existing)
Kaukama Road to Mailili Road
Right of Way 92', Pavement width 63' - 77'



Farrington Highway Corridor Study - Proposed Typical Section
(Kaukama Rd to Mailiili Rd)

Typical Section (Proposed)
Kaukama Road to Mailiili Road



Farrington Highway Corridor Study - Recommended Solutions (Leihoku Street to Hakimo Road) - Maili June 2020

SAFETY

Implement Safe Routes to School Program at Maliona Street, incl raised median	\$	57,300
Install high-visibility yellow, continental type crosswalks at Maliona Street (incl in SRTS)	\$	-
Install pedestrian countdown timers at Maliona Street, Hookele Street and Kaukama Road	\$	31,400
Raised Median at St Johns Road, Hookele St and Kaukama Rd intersections	\$	128,700
Verify traffic signal yellow and red times meet ITE Recommended Practice		HDOT/C&C
Modify signal phasing (implement a leading pedestrian interval) at Maliona St, St Johns Rd, Hookele St, and Kaukama Rd	\$	1,500
Improve left-turn lane offset to create positive offset at St Johns Rd, Hookele St, and Kaukama Rd	\$	100,400
Implement systemic signing and visibility improvements at Maliona St, St Johns Rd, hookele St, and Kaukama Rd	\$	27,900
Increase illuminance from low (<0.2 fc) to Medium >0.2 fc and <1.1 fc @ 9 crosswalks	\$	321,100
Add sidewalk and shoulder bike lanes along both sides of Farrington Highway from Kaukama to Mailiili, 9,500 ft	\$	13,887,300
Build Shared Use Path from Mailili to Leihoku, 2,500 ft	\$	1,002,100
Build Shared Use Path from Kaukama to Hakimo, 5,600 ft	\$	2,245,000

CONGESTION

Add Center Left Turn Lane (Mano to Mailiili), 1,250 ft	\$	820,200
Computerized Traffic Control System - Maili, 7 signals	\$	3,800,000 City & County of Honolulu project
	\$	22,422,900 New improvements

Farrington Highway Corridor Study - Recommended Solutions (Leihoku Street to Hakimo Road) - Maili June 2020

MAILI PHASING

1 Short Term (6 mo - 2 years), within Right of Way, Low Cost

Implement Safe Routes to School Program at Maliona Street, incl raised median	\$	57,300
Install high-visibility yellow, continental type crosswalks at Maliona Street (incl in SRTS)	\$	-
Install pedestrian countdown timers at Maliona Street, Hookele Street and Kaukama Road	\$	31,400
Raised Median at St Johns Road, Hookele St and Kaukama Rd intersections	\$	128,700
Verify traffic signal yellow and red times meet ITE Recommended Practice		HDOT/C&C
Modify signal phasing (implement a leading pedestrian interval) at Maliona St, St Johns Rd, Hookele St, and Kaukama Rd	\$	1,500
Improve left-turn lane offset to create positive offset at St Johns Rd, Hookele St, and Kaukama Rd	\$	100,400
Implement systemic signing and visibility improvements at Maliona St, St Johns Rd, hookele St, and Kaukama Rd	\$	27,900
	\$	347,200

1 Short Term (6 mo - 2 years), within Right of Way, Medium Cost

Increase illuminance from low (<0.2 fc) to Medium >0.2 fc and <1.1 fc @ 9 crosswalks	\$	321,100
Add Center Left Turn Lane (Mano to Mailiili), 1,250 ft	\$	820,200
	\$	1,141,300

1 Short Term (6 mo - 2 years), within Right of Way, Medium to High Cost, combine with Waianae & Nanakuli upgrades

Computerized Traffic Control System - Maili, 7 signals	\$	3,800,000 City & County of Honolulu project
--	----	--

2 Intermediate Term (~2-5 years), Outside Right of Way, Medium to High Cost, Permitting needed, needs survey/design

Build Shared Use Path from Mailili to Leihoku, 2,500 ft	\$	1,002,100
Build Shared Use Path from Kaukama to Hakimo, 5,600 ft	\$	2,245,000
	\$	3,247,100

2 Intermediate Term (~2-5 years), Within Right of Way, High Cost, needs survey/design

Add sidewalk and shoulder bike lanes along both sides of Farrington Highway from Kaukama to Mailiili, 9,500 ft	\$	13,887,300
--	----	-------------------

NOTE: Estimated costs include 3-5% traffic control, 5-10% engineering/design, 10% mobilization and 30% contingency