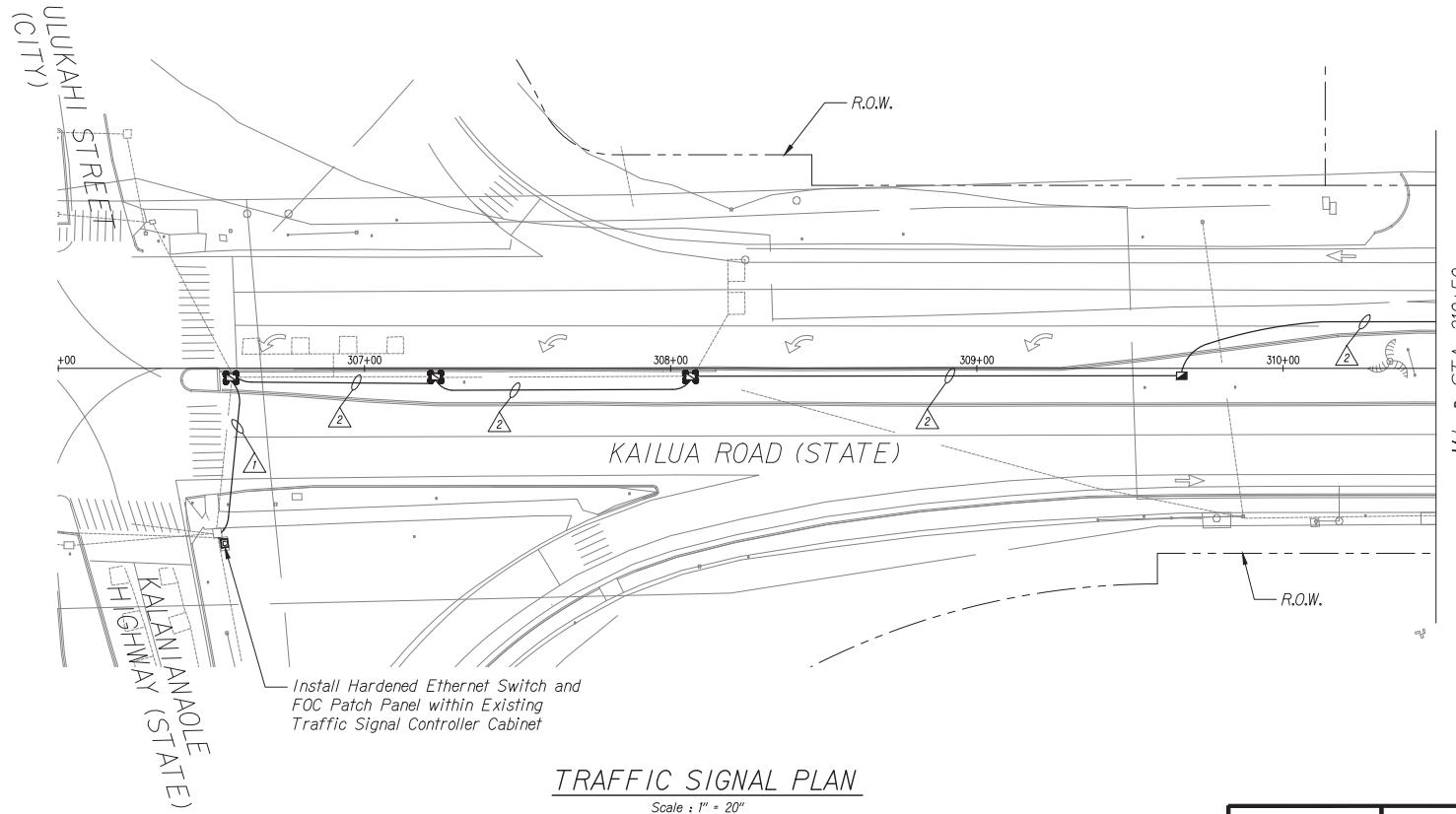


Conduit and Cable Schedule		
Symbol	Cond.	Description
▲	2" Conc. 2" Conc. 2" Conc. 2" Conc.	1 - 6SM FOC* Spare Spare Spare
▲	2" Conc. 2" Conc.	1 - 6SM FOC* Spare

* With Fabric Inner Duct

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	61D-01-23	2023	70	87



TRAFFIC SIGNAL PLAN

Scale : 1" = 20"

DATE:
SURVEY PLOTTED BY:
TRANSIT USED BY:
THIMBLED BY:
DETERMINED BY:
NOTES:
CHARTERED BY:
RECORDED BY:



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNAL PLAN - 1

KAILUA ROAD INTERSECTION IMPROVEMENTS
Vicinity of Uluka Street and Ulumeru Drive
Project No. 61D-01-23

Scale: 1" = 20"

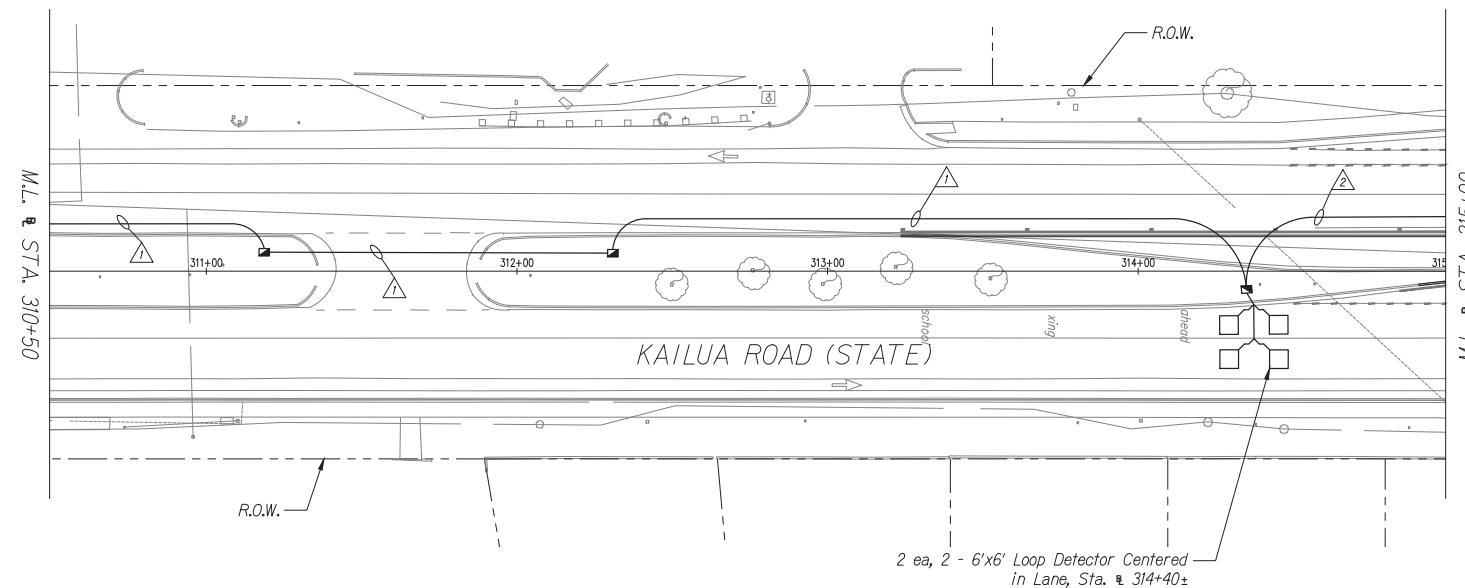
SHEET No. 1 OF 6 SHEETS

Date: Dec, 2023

Conduit and Cable Schedule		
Symbol	Cond.	Description
▲	2" Conc. 2" Conc.	1 - 6SM FOC* Spare
△	2" Conc. 2" Conc.	1 - 6SM FOC* 2 - 2C [#] 14

* With Fabric Inner Duct

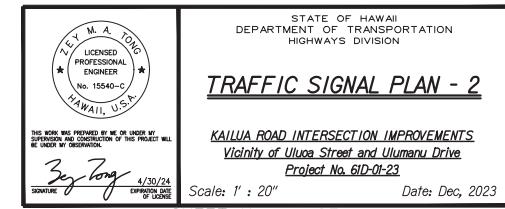
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	61D-01-23	2023	71	87



DATE:
SURVEY PLANNED BY:
REVIEWED BY:
APPROVED BY:
NOTES:
CHANGES:

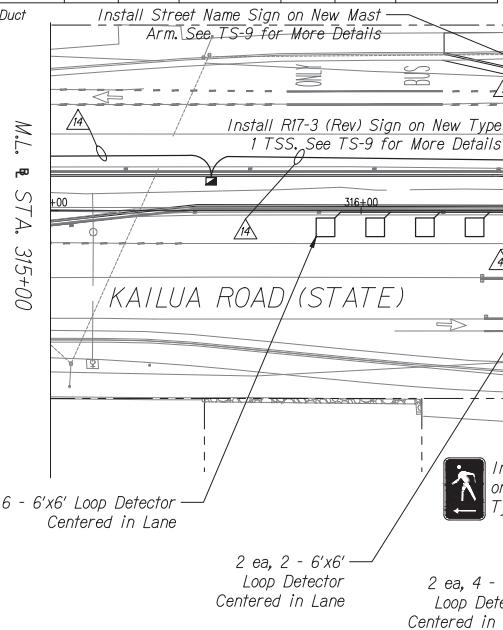
TRAFFIC SIGNAL PLAN

Scale : 1" = 20"



Conduit and Cable Schedule								
Symbol	Cond.	Description	Symbol	Cond.	Description	Symbol	Cond.	Description
⚠	3"	2 - 26G#14	⚠	2"	Conc. 1 - 26G#14	⚠	2"	Conc. 1 - 26G#14
	3"	Conc. 2 - 26G#14		2"	Conc. 1 - 26G#14		2"	Conc. 1 - 26G#14
	3"	Conc. 23 - 2C#14		2"	Conc. 5 - 2C#14		2"	Conc. 4 - 2C#14
	2"	Conc. 4 - EVP		2"	Conc. 2 - EVP		2"	Conc. 3 - 2C#14
	2"	Conc. 1 - 3C#8		2"	Conc. Spare		2"	Conc. 1 - 72SM FOC*
	2"	Conc. 1 - CAT6					2"	Conc. Spare
	2"	Conc. Spare					2"	Conc. 1 - 72SM FOC*
⚠	2"	Conc. 1 - 6SM FOC*	⚠	2"	Conc. 1 - 26G#14	⚠	2"	Conc. 1 - 26G#14
	2"	Conc. 1 - 72SM FOC*		2"	Conc. 5 - 2C#14		2"	Conc. 1 - 26G#14
	2"	Conc. 1 - 3C#8		2"	Conc. 1 - EVP		2"	Conc. 4 - 2C#14
	2"	Conc. 3 - CAT6		2"	Conc. Spare		2"	Conc. 3 - 2C#14
⚠	2"	Conc. 1 - 26G#14	⚠	2"	Conc. 4 - 2C#14		2"	Conc. 1 - EVP
	2"	Conc. 1 - 26G#14					2"	Conc. 2 - CAT6
	2"	Conc. 6 - 2C#14					2"	Conc. 1 - 72SM FOC*
	2"	Conc. 5 - 2C#14					2"	Conc. Spare
	2"	Conc. 2 - EVP					2"	Conc. 1 - 26G#14
	2"	Conc. 1 - 6SM FOC*					2"	Conc. 1 - 26G#14
	2"	Conc. Spare					2"	Conc. 6 - 2C#14
⚠	2"	Conc. 1 - 26G#14	⚠	2"	Conc. 1 - 26G#14	⚠	2"	Conc. 1 - 26G#14
	2"	Conc. 1 - 26G#14		2"	Conc. 1 - 26G#14		2"	Conc. 1 - 26G#14
	2"	Conc. 5 - 2C#14		2"	Conc. 1 - 2C#14		2"	Conc. 6 - 2C#14
	2"	Conc. 2 - EVP		2"	Conc. 1 - EVP		2"	Conc. 6 - 2C#14
	2"	Conc. 1 - 6SM FOC*		2"	Conc. Spare		2"	Conc. 1 - EVP
	2"	Conc. Spare					2"	Conc. 2 - CAT6
⚠	2"	Conc. 1 - 26G#14	⚠	2"	Conc. 1 - 26G#14	⚠	2"	Conc. 1 - 6SM FOC*
	2"	Conc. 1 - 26G#14		2"	Conc. 1 - 26G#14		2"	Conc. 2 - 2C#14
	2"	Conc. 5 - 2C#14		2"	Conc. Spare		2"	Conc. 1 - 72SM FOC*
	2"	Conc. 5 - 2C#14					2"	Conc. Spare
	2"	Conc. 2 - EVP					2"	Conc. 2 - 2C#14
	2"	Conc. 1 - 6SM FOC*					2"	Conc. 1 - 72SM FOC*
	2"	Conc. Spare					2"	Conc. 2 - 2C#14

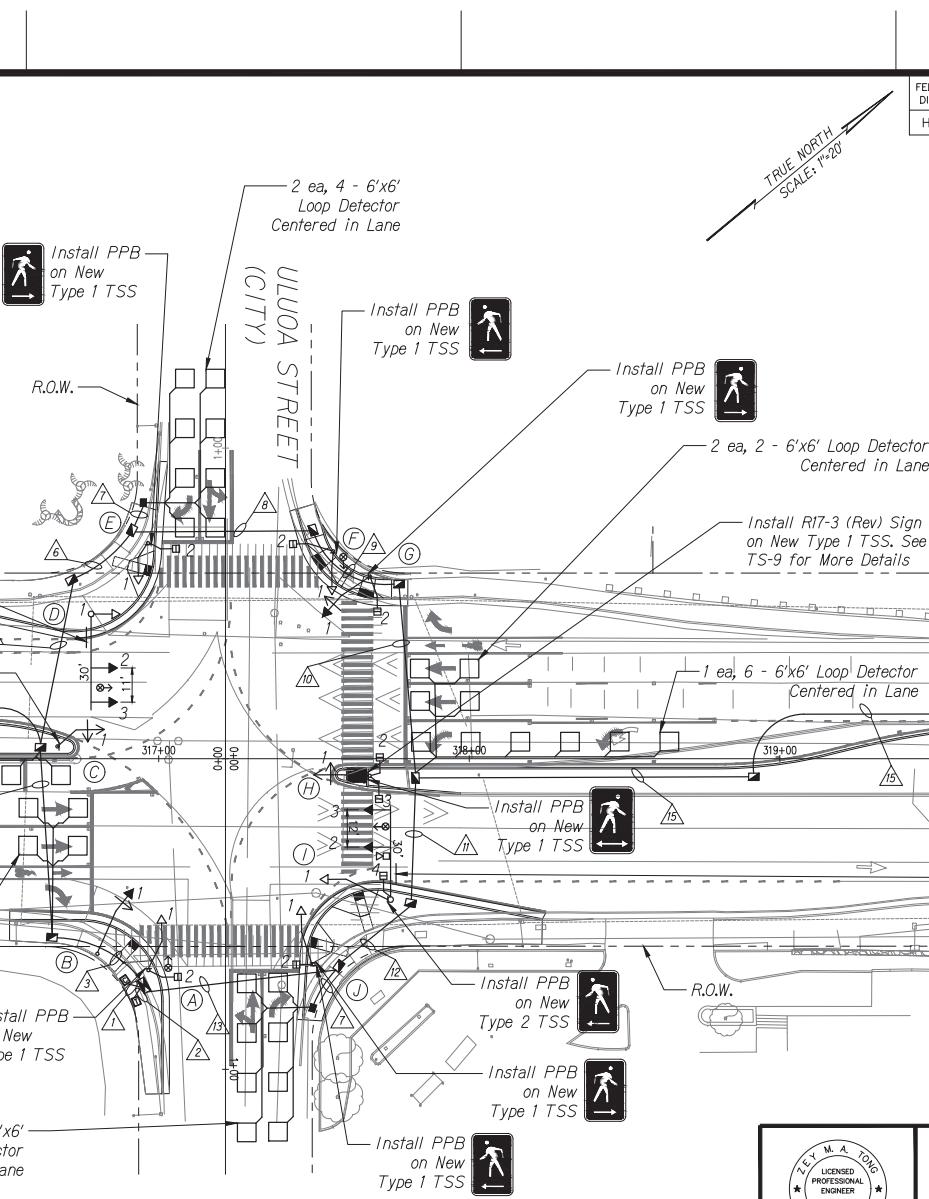
* With Fabric Inner Duct



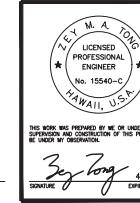
TRAFFIC SIGNAL PLAN -
ULUOA STREET

Scale : 1" = 20"

Note: See S-XX for New Mast Arm Foundation Details



APPROVED



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNAL PLAN - 3

KAILUA ROAD INTERSECTION IMPROVEMENTS
Vicinity of Uluoa Street and Ulumau Drive
Project No. 61D-01-23

Scale: 1' : 20" Date: Dec, 2023

72

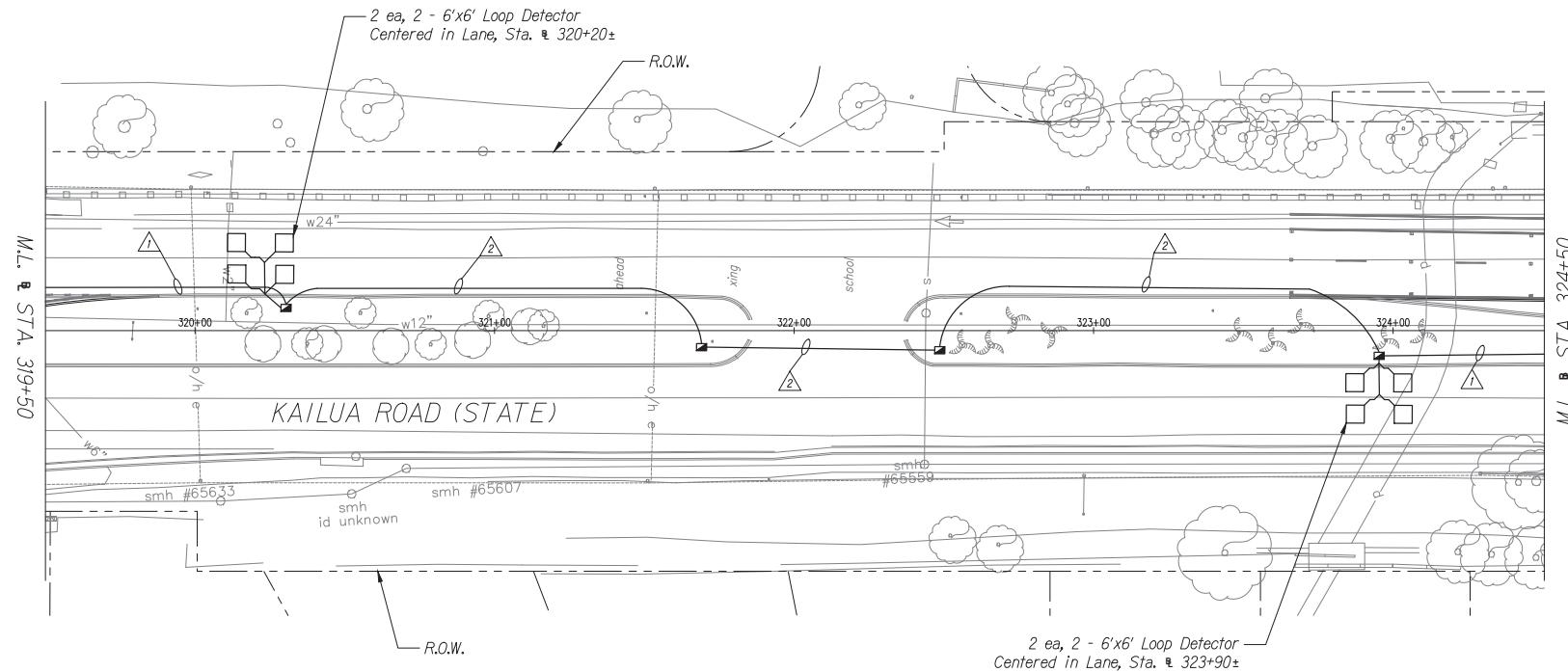
Conduit and Cable Schedule		
Symbol	Cond.	Description
▲	2" Conc.	1 - 72SM FOC*
	2" Conc.	2 - 2C ¹⁴

Symbol	Cond.	Description
▲	2" Conc.	1 - 72SM FOC*
	2" Conc.	Spare

* With Fabric Inner Duct

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	HEET NO.	TOTAL SHEETS
HAWAII	HAW.	61D-01-23	2023	73	87

TRUE NORTH
SCALE: 1"=20'



TRAFFIC SIGNAL PLAN

Scale : 1" = 20'

DATE:
SURVEY PLOTTED BY:
PLAN DRAWN BY:
THAI AND TONG	BY:
DESIGNED BY:
CHIEF CHECKED BY:
RE-CHECKED BY:
APPROVED BY:

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNAL PLAN - 4

KAILUA ROAD INTERSECTION IMPROVEMENTS
Vicinity of Ulumelu Street and Kailua Street
Project No. 61D-01-23

Scale: 1" : 20"

SHEET No. 4 OF 6 SHEETS

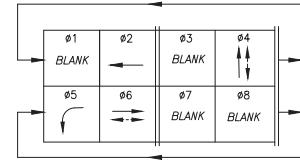
ZEY M. A. TONG
LICENSED PROFESSIONAL ENGINEER
No. 15540-C
HAWAII, U.S.A.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. THE PROPRIETARY RIGHTS TO THIS PROJECT WILL BE OWNED BY THE STATE OF HAWAII.
I CERTIFY THAT THIS DRAWING HAS BEEN MADE FROM MY PERSONAL SURVEY AND IS IN ACCORDANCE WITH THE STANDARDS OF THE PROFESSIONAL ENGINEER.
Signature: Zey Tong
4/30/24
EXPIRATION DATE USELESS

Conduit and Cable Schedule					
Symbol	Cond.	Description	Symbol	Cond.	Description
▲	3" Conc.	2 - 26C#14	▲	2" Conc.	1 - 26C#14
	3" Conc.	15 - 2C#14		2" Conc.	2 - 2C#14
	2" Conc.	3 - EVP		2" Conc.	1 - EVP
	2" Conc.	1 - 3C#8		2" Conc.	2 - CAT6
	2" Conc.	1 - CAT6		2" Conc.	1 - 72SM FOC*
	2" Conc.	Spare		2" Conc.	Spare
▲	2" Conc.	1 - 72SM FOC*	▲	2" Conc.	1 - 26C#14
	2" Conc.	1 - 3C#8		2" Conc.	Spare
	2" Conc.	3 - CAT6		2" Conc.	2 - EVP
▲	2" Conc.	4 - 2C#14	▲	2" Conc.	2 - 2C#14
▲	2" Conc.	1 - 26C#14	▲	2" Conc.	1 - 72SM FOC*
	2" Conc.	4 - 2C#14		2" Conc.	Spare
	2" Conc.	1 - EVP		2" Conc.	2 - 2C#14
	2" Conc.	2 - CAT6		2" Conc.	1 - EVP
	2" Conc.	1 - 72SM FOC*		2" Conc.	Spare
	2" Conc.	Spare		2" Conc.	Spare

* With Fabric Inner Duct

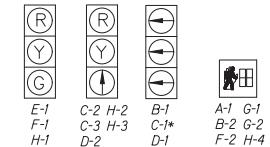
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	HEET NO.	TOTAL SHEETS
HAWAII	HAW.	61D-01-23	2023	74	87

TRUE NORTH
SCALE: 1"=20'



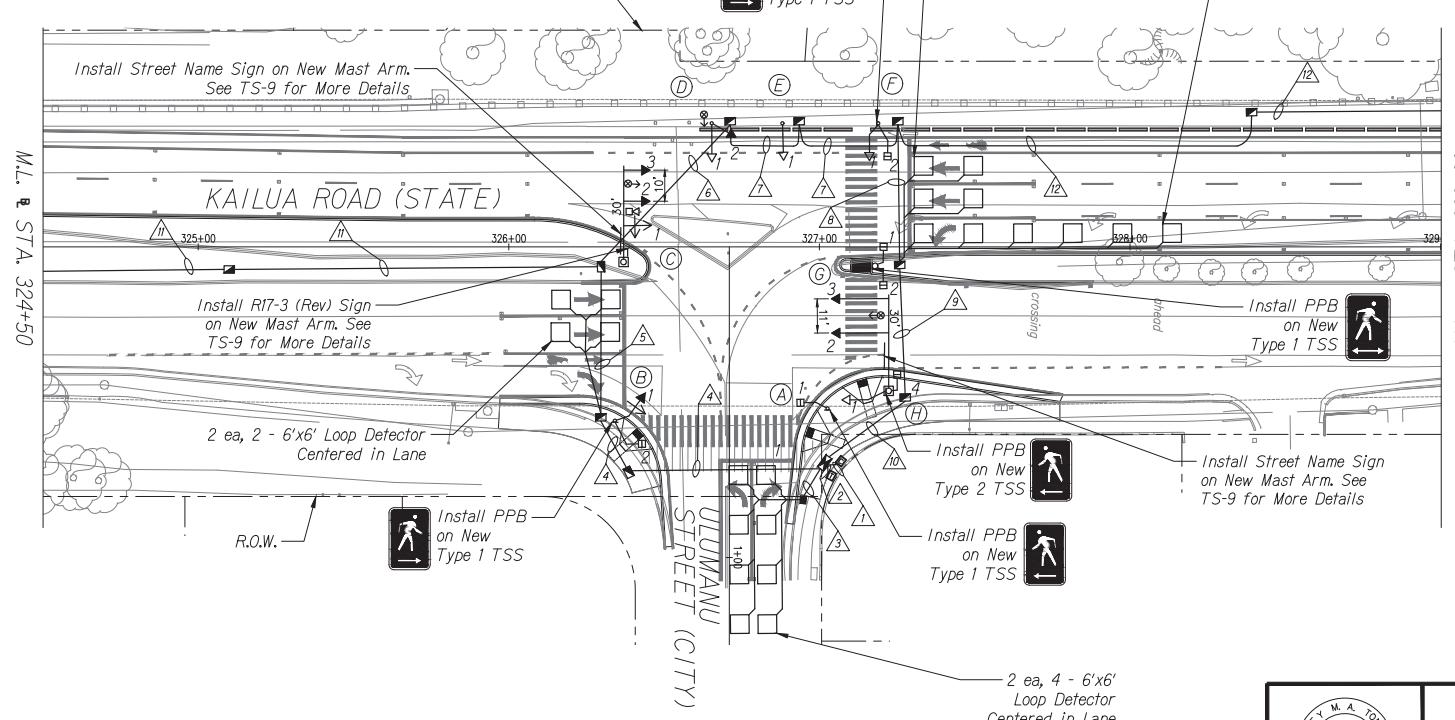
PHASE DIAGRAM

New Model 2070 Controller
New Model 332 Cabinet



SIGNAL INDICATIONS

*Programmable Visibility Head

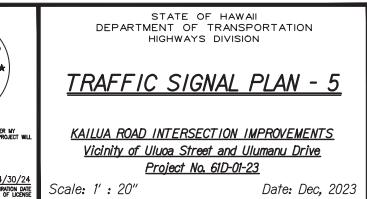


TRAFFIC SIGNAL PLAN - ULUMANU STREET

Scale : 1" = 20"

APPROVED:

CHIEF CIV. ENGINEERING BRANCH, D.P.A.
(FOR CONSTRUCTION WITHIN CITY RIGHT-OF-WAY ONLY)



Note: See S-XX for New Mast Arm Foundation Details

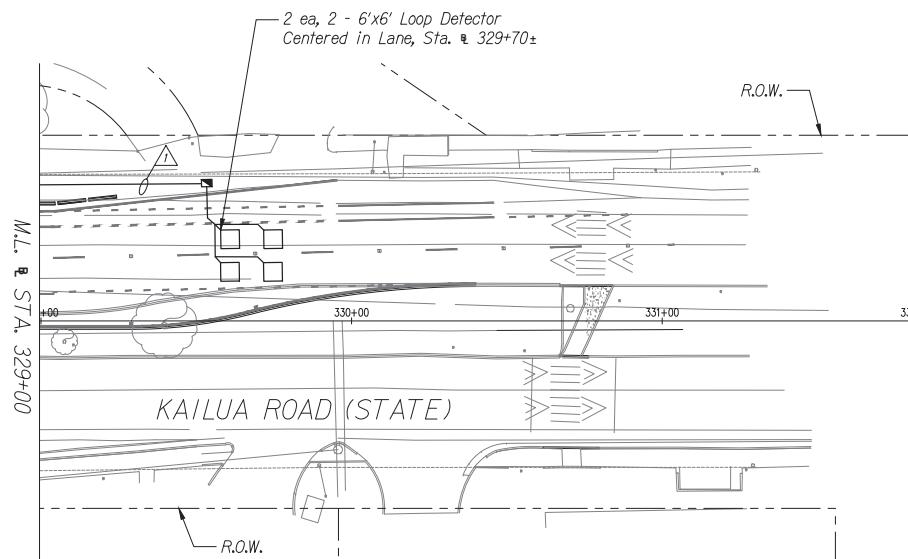
SHEET No. 5 OF 6 SHEETS

Conduit and Cable Schedule		
Symbol	Cond.	Description
▲	2"	Conc. 2 - 2C#14
	2"	Conc. Spare

* With Fabric Inner Duct

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	HEET NO.	TOTAL SHEETS
HAWAII	HAW.	61D-01-23	2023	75	87

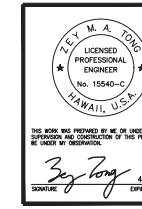
TRUE NORTH
SCALE: 1"=20'



TRAFFIC SIGNAL PLAN

Scale : 1" = 20'

DATE:	
SURVEY	PLOTTED
REVIEWED	BY
APPROVED	BY
MAILED	BY
NOTES	RECORDED
REMARKS	CHANGED
INITIALS	NAME



STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TRAFFIC SIGNAL PLAN - 6	
KAILUA ROAD INTERSECTION IMPROVEMENTS Vicinity of Uluka Street and Ulumeru Drive Project No. 61D-01-23	
Scale: 1" = 20'	
Date: Dec, 2023	

SHEET No. 6 OF 6 SHEETS