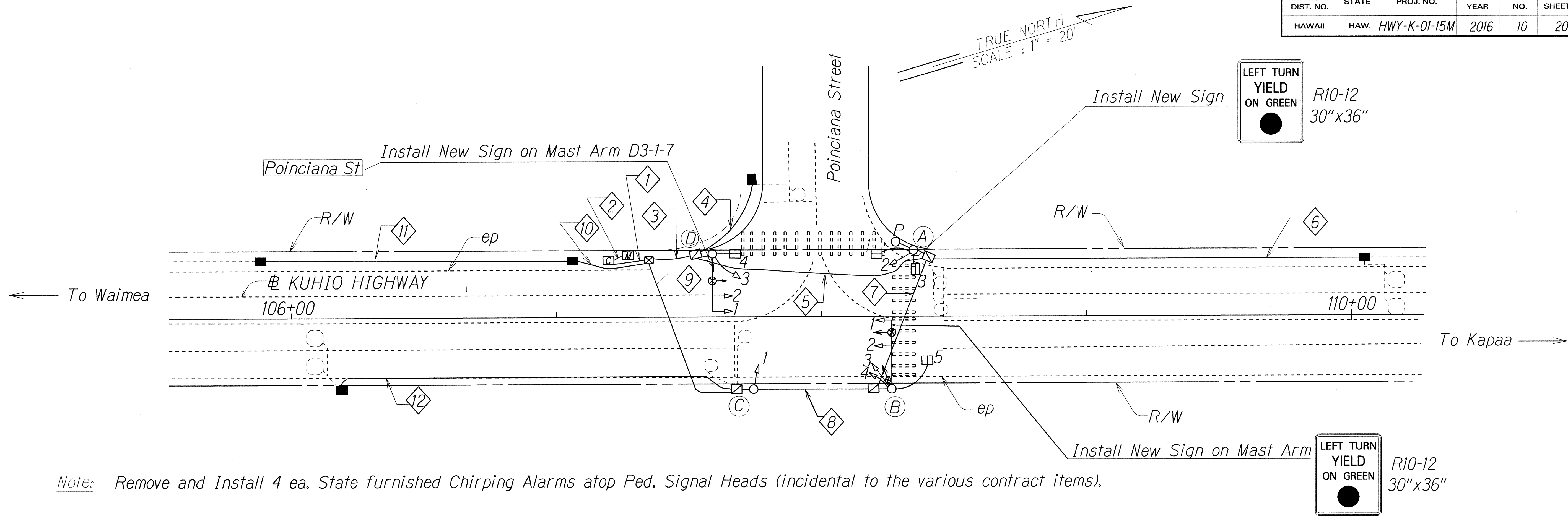
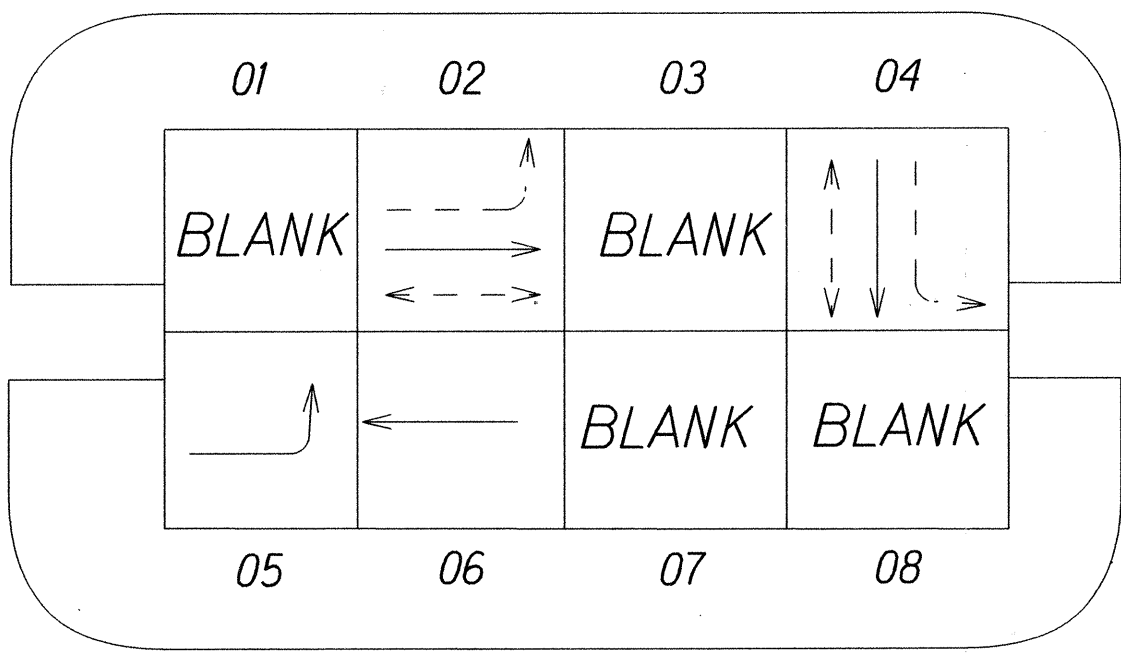


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-K-01-15M	2016	10	20



CABLE SCHEDULE																		
DESCRIPTION	DIAMOND ITEM NO. (◇)														POLE LETTER			
	◇1	◇2	◇3	◇4	◇5	◇6	◇7	◇8	◇9	◇10	◇11	◇12	◇13	◇14	Ⓐ	Ⓑ	Ⓒ	Ⓓ
Quantity of 26C #14 Traffic Control Cable	1 in 1 out		1		1		1	1	1									
Quantity of 2C #14 Loop Detector & Pedestrian Push Button Lead-in Cable	5		1	1	3	1	1				1	1						
Quantity of 6-Pairs #19 Conductor, Interconnect Cable *Existing to remain	*2		*1		*1	*1				*1	*1							
Quantity of 3C #6 Power Cable		1																
Quantity of Type 7 Cable EVP	3				2		2									2		1
Quantity of #6 Ground Copper	1	1			1		1	1	1	1					1	1	1	1
Quantity of 4C #14 Signal Cable															5	6	1	4
Quantity of Cat 5 4 Pair Camera Cable	2				1		1									1		1

TRAFFIC SIGNAL STANDARD & HEAD		
POLE LETTER	SIGNAL HEAD NO.	POLE TYPE
A	1 & 3 2	I-10'
B	1 & 2 3 & 4 5	II-20'
C	1	I-10'
D	1 & 2 3 4	II-30'



PHASING DIAGRAM

- PROTECTED VEHICLE MOVEMENT
- ← → PEDESTRIAN MOVEMENT
- ↑ PERMITTED VEHICLE MOVEMENT

TRAFFIC SIGNAL HEAD SCHEDULE				
Traffic Signal Head Type and Description				
Pole Letter Signal Head Number	B-2&4 C-1 D-3	D-1&2	B-3	A-2 B-1 A-1&3 B-5 D-4

DATE	____
DESIGNED BY	____
CHECKED BY	____
NOTED BY	____
QUANTITIES BY	____
PLANNED BY	____
ORIGINAL PLAN	____

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

TRAFFIC SIGNAL PLAN

Traffic Signal Rehabilitation

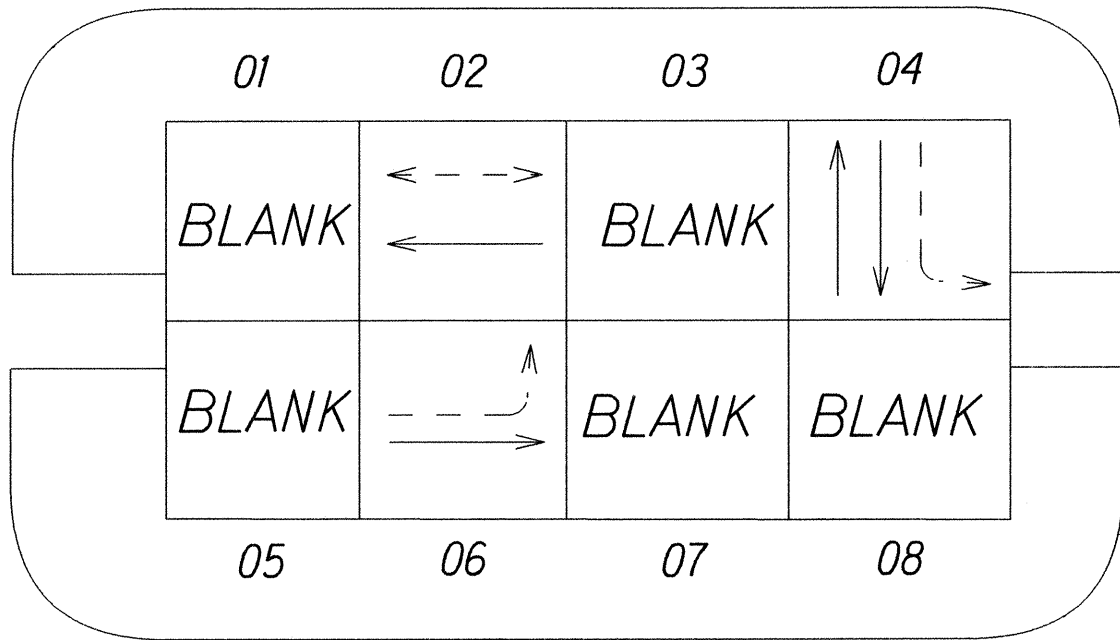
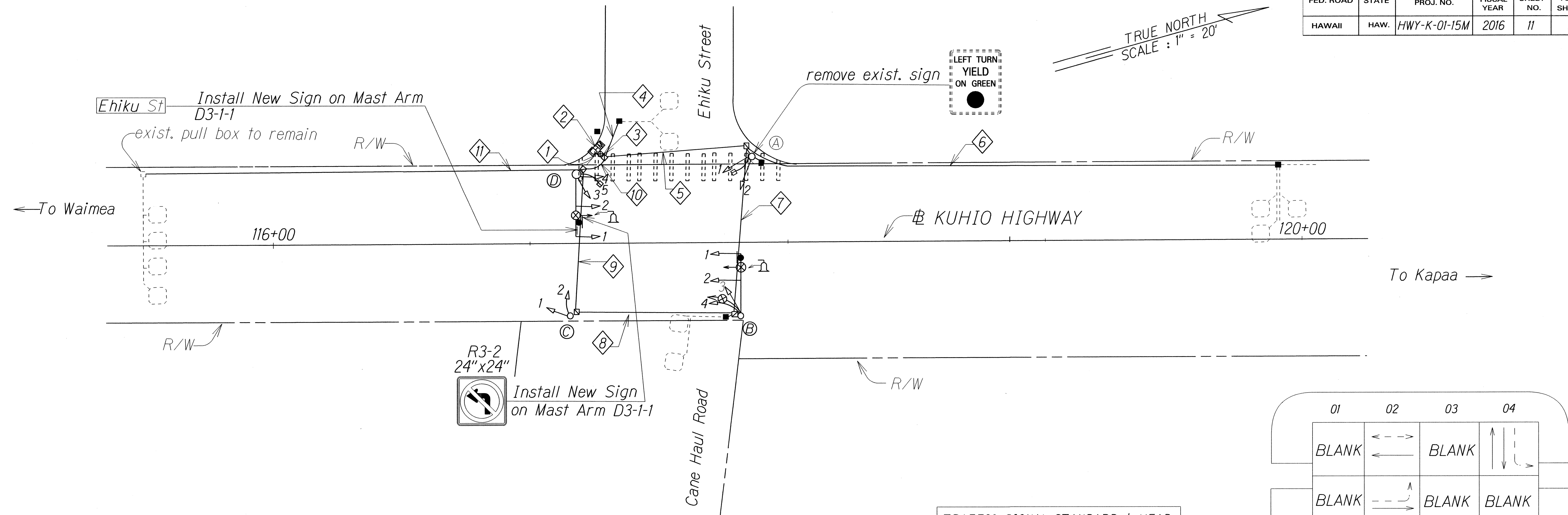
At Various Locations, Kauai

Project No. HWY-K-01-15M

Scale: 1" = 20'

Date: Feb. 2016

FED. ROAD	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-K-01-15M	2016	11	20



TRAFFIC SIGNAL STANDARD & HEAD		
POLE LETTER	SIGNAL HEAD NO.	STANDARD TYPE
A	1 & 3 2	I-10'
B	1 & 2 3 & 4	II-20'
C	1 & 2	I-10'
D	1 & 2 3 & 4	II-30'

CABLE SCHEDULE																																		
DIAMOND ITEM NO. (◇)														POLE LETTER																				
	◇1	◇2	◇3	◇4	◇5	◇6	◇7	◇8	◇9	◇10	◇11	◇12	◇13	◇14	(A)	(B)	(C)	(D)																
Quantity of 26C #14 Traffic Control Cable	1 in 1 out		1 in 1 out		1		1	1	1	1																								
Quantity of 2C #14 Loop Detector ⌘ Pedestrian Push Button Lead-in Cable	2		2		1	1					1				1				1									1						
Quantity of 6-Pairs #19 Conductor, Interconnect Cable *Existing to Remain	*2		*2		*1	*1					*1																							
Quantity of 3C #6 Power Cable		1																																
Quantity of Type 7 Cable EVP	2				2		2																											
Quantity of #6 Ground Copper	1	1	1		1		1	1	1	1					1	1	1	1																
Quantity of 4C #14 Signal Cable															3	4	2	5																
Quantity of Cat 5 4 Pair Camera Cable *Existing to Remain		*2	*2		*1		*1												*1										*1					

TRAFFIC SIGNAL HEAD SCHEDULE					
Traffic Signal Head Type and Description					
Pole Letter Signal Head Number	A-1&2 B-1,2,3&4 C-1&2 D-1,2,3&4				A - 3 D - 5 NEW

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC SIGNAL PLAN**

*Traffic Signal Rehabilitation at  
Various Locations, Kauai*

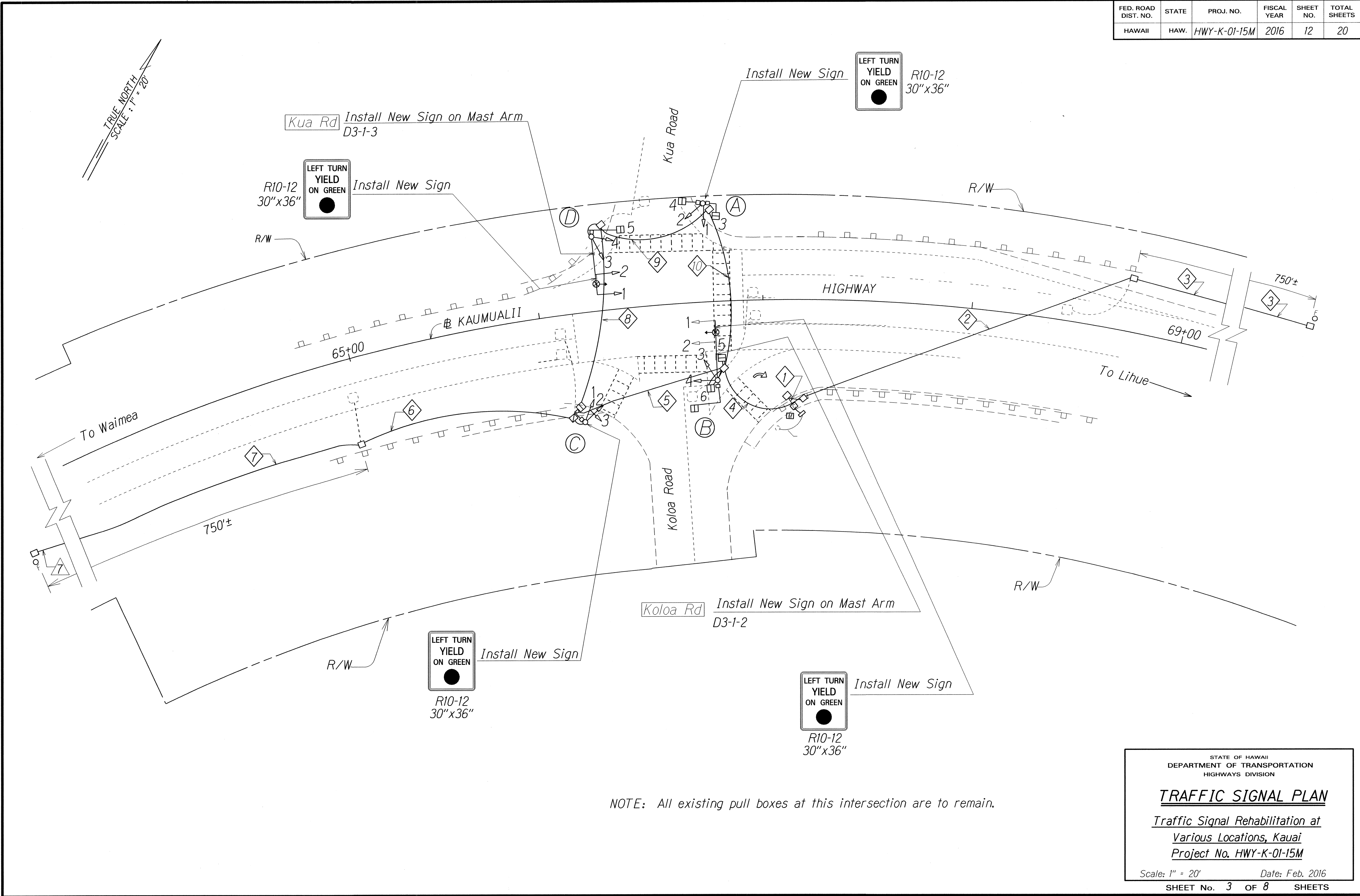
Project No. HWY-K-01-15M

Scale: 1" = 20' Date: Feb. 2016

SHEET No. 2 OF 8 SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
PLACED BY	_____
DATE	_____

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-K-01-15M	2016	12	20



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED	DRAWN BY	
DESIGNED BY		
QUANTITIES BY		
CHECKED BY		

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

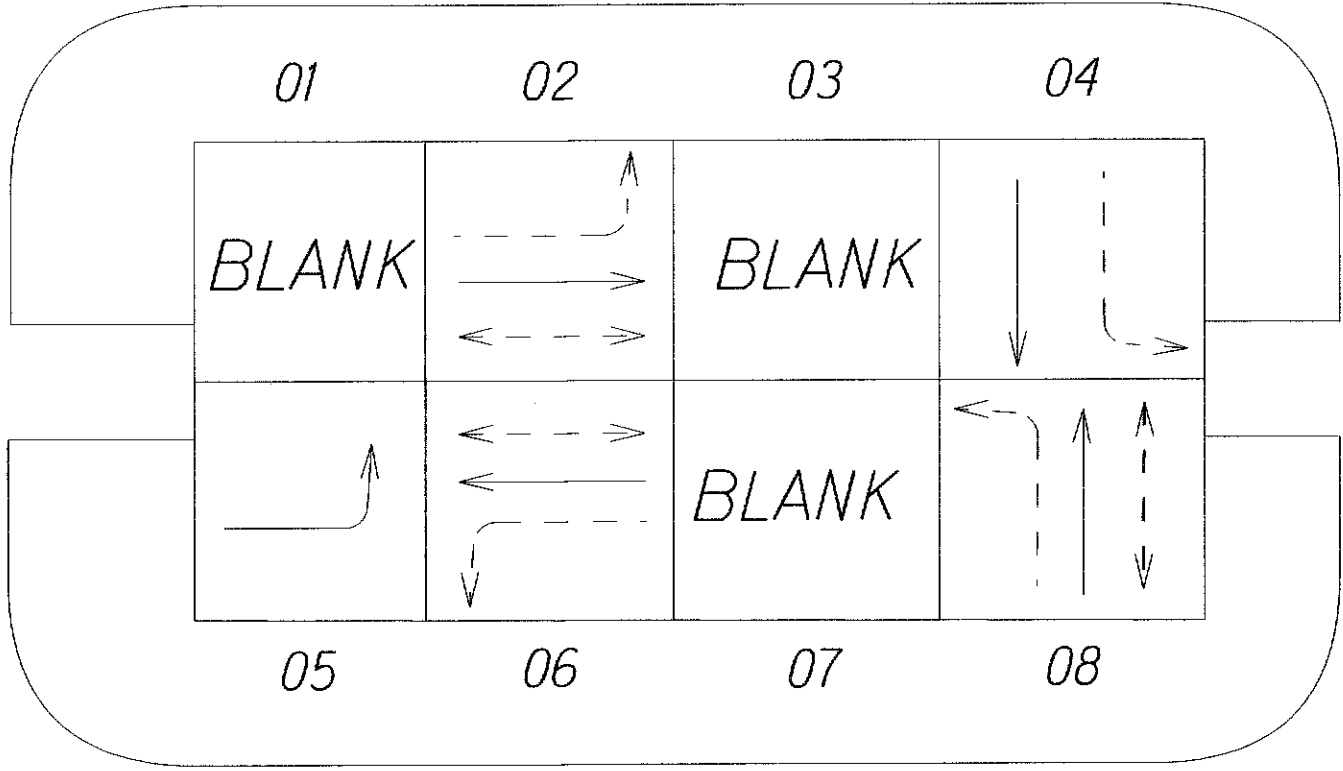
**TRAFFIC SIGNAL PLAN**  
Traffic Signal Rehabilitation at  
Various Locations, Kauai  
Project No. HWY-K-01-15M  
Scale: 1" = 20'      Date: Feb. 2016  
SHEET No. 3 OF 8 SHEETS



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-K-01-15M	2016	ADD. 13	20

CABLE SCHEDULE																					
DESCRIPTION	DIAMOND ITEM NO. (◊)														POLE LETTER						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	A	B	C	D	E	F	
																			△	△	
Quantity of 26C #14 Traffic Control Cable				2 In 2 out	2	2		2	2	2											
Quantity of 2C #14 Loop Detector & Pedestrian Push Button Lead-in Cable		1		8	4	2		2		2					2	2	1	1			
Quantity of 6-Pairs #19 Conductor, Interconnect Cable																					
Quantity of 3C #6 Power Cable	1																				
Quantity of 3C #12 Power Cable		1	1				1												1	1	
Quantity of Type 7 Cable EVP				4	2	1		1		1					1	1	1	1			
Quantity of #6 Ground Copper	1			1	1	1		1	1	1					1	1	1	1			
Quantity of 4C #14 Signal Cable		1													5	7	5	5			
Quantity of Cat 5 4 Pair Camera Existing to remain				2	1	1		1								1		1			

TRAFFIC SIGNAL STANDARD & HEAD		
POLE LETTER	SIGNAL HEAD NO.	POLE TYPE
A	1, 2, 3 & 4	I
B	1, 2, 3, 4, 5 & 6	II
C	1, 2, 3 & 4	I
D	1, 2, 3, 4 & 5	II
△ E	1	I
△ F	1	I



PHASING DIAGRAM

- PROTECTED VEHICLE MOVEMENT  
← - - - - - PEDESTRIAN MOVEMENT  
- - - - - PERMITTED VEHICLE MOVEMENT

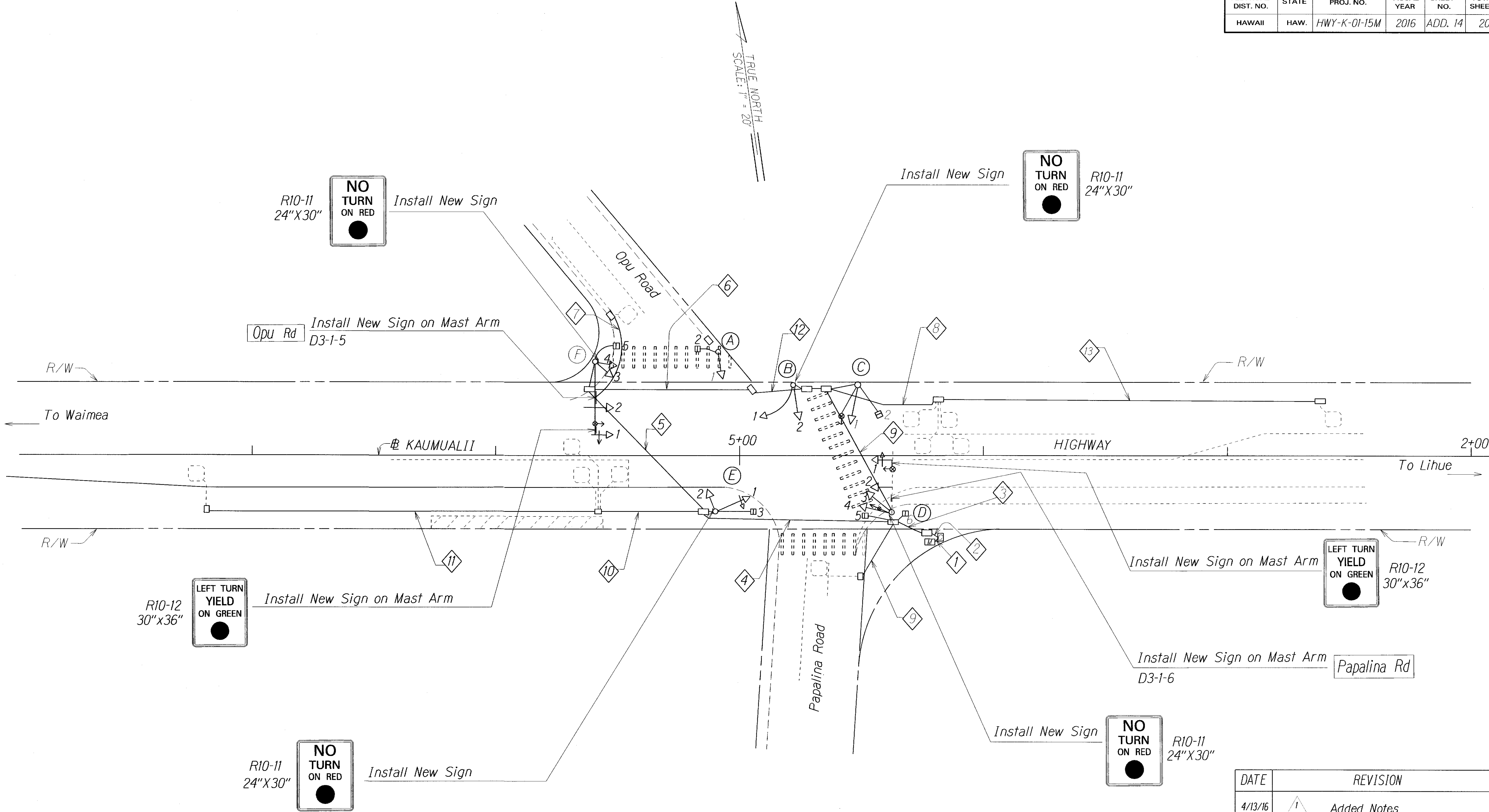
TRAFFIC SIGNAL HEAD SCHEDULE					
Traffic Signal Head Type and Description					
Pole Letter Signal Head Number	A - 1 B - 2, 3, 4 C - 1 D - 2, 3, 4			A - 2 B - 1 C - 2 D - 1	A - 3, 4 B - 5, 6 C - 3 E - 1 F - 1

Koloa Road

DATE	REVISION
4/13/16	△ Added E & F Flashing Beacon
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>TRAFFIC SIGNAL PLAN</b> Traffic Signal Rehabilitation at Various Locations, Kauai Project No. HWY-K-01-15M Scale: None' Date: Feb. 2016 SHEET No. 4 OF 8 SHEETS	

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-K-01-15M	2016	ADD. 14	20



- NOTES:**
1. All existing pull boxes at this intersection are to remain.
  2. Install new video detection system at this intersection.
  3. Remove existing, and replace with new back-plates for all signal heads mounted on mast arms at this intersection.

DATE	REVISION
4/13/16	Added Notes

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC SIGNAL PLAN**  
  
Traffic Signal Rehabilitation at  
Various Locations, Kauai  
Project No. HWY-K-01-15M

Scale: 1" = 20'  
SHEET No. 5 OF 8 SHEETS

Date: Feb. 2016

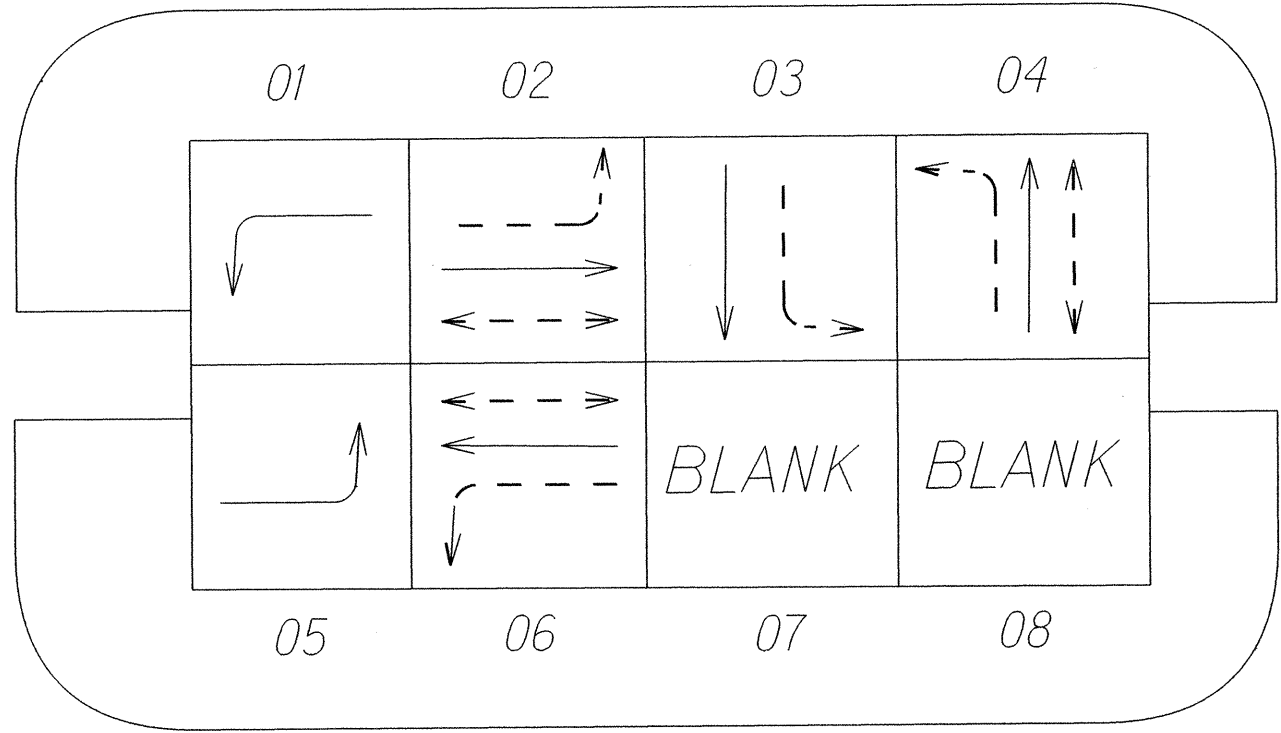
ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-K-01-15M	2016	15	20

CABLE SCHEDULE																						
DESCRIPTION	DIAMOND ITEM NO. (◇)														POLE LETTER							
	◇1	◇2	◇3	◇4	◇5	◇6	◇7	◇8	◇9	◇10	◇11	◇12	◇13	◇14	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ		
Quantity of 26C #14 Traffic Control Cable		2 in 2 out	2 in 2 out	2	2	2	2		2			2										
Quantity of 2C #14 Loop Detector & Pedestrian Push Button Lead-in Cable		11	6	4		2	6	3	2	2	1	2	2		1		1	2	1	1		
Quantity of 6-Pairs #19 Conductor, Interconnect Cable																						
Quantity of 3C #6 Power Cable	1																					
Quantity of Type 7 Cable EVP		4	4			1	1		1	1		1	1				1	2	1	1		
Quantity of #6 Ground Copper	1	1	1	1	1	1	1		1	1		1	1		1	1	1	1	1	1		
Quantity of 4C #14 Signal Cable															1	3	2	7	4	6		

TRAFFIC SIGNAL STANDARD & HEAD

POLE LETTER	SIGNAL HEAD NO.	STANDARD TYPE
A	1, 2, 3 & 4	I-10'
B	1, 2, 3, 4 & 5	II-20'
C	1	I-10'
D	1, 2, 3 & 4	II-30'



PHASING DIAGRAM

- PROTECTED VEHICLE MOVEMENT
- ← - - - → PEDESTRIAN MOVEMENT
- - - PERMITTED VEHICLE MOVEMENT

TRAFFIC SIGNAL HEAD SCHEDULE					
Traffic Signal Head Type and Description	LED 	LED 	LED 	LED 	LED 
	12" RYG Traffic Signal Head	12" RY↑ Traffic Signal Head	12" RY← Traffic Signal Head	12" RYG← Traffic Signal Head	Countdown Pedestrian Signal Head
Pole Letter Signal Head Number	A-1 B-2&4 C-1 D-2, 3, 4 E-2 F-2, 3, 4			B-1 D-1 E-5 F-1	A-2 C-2 D-5&6 E-3 F-5

Papalina Road

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	
QUANTITIES BY	
REVISIONS	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

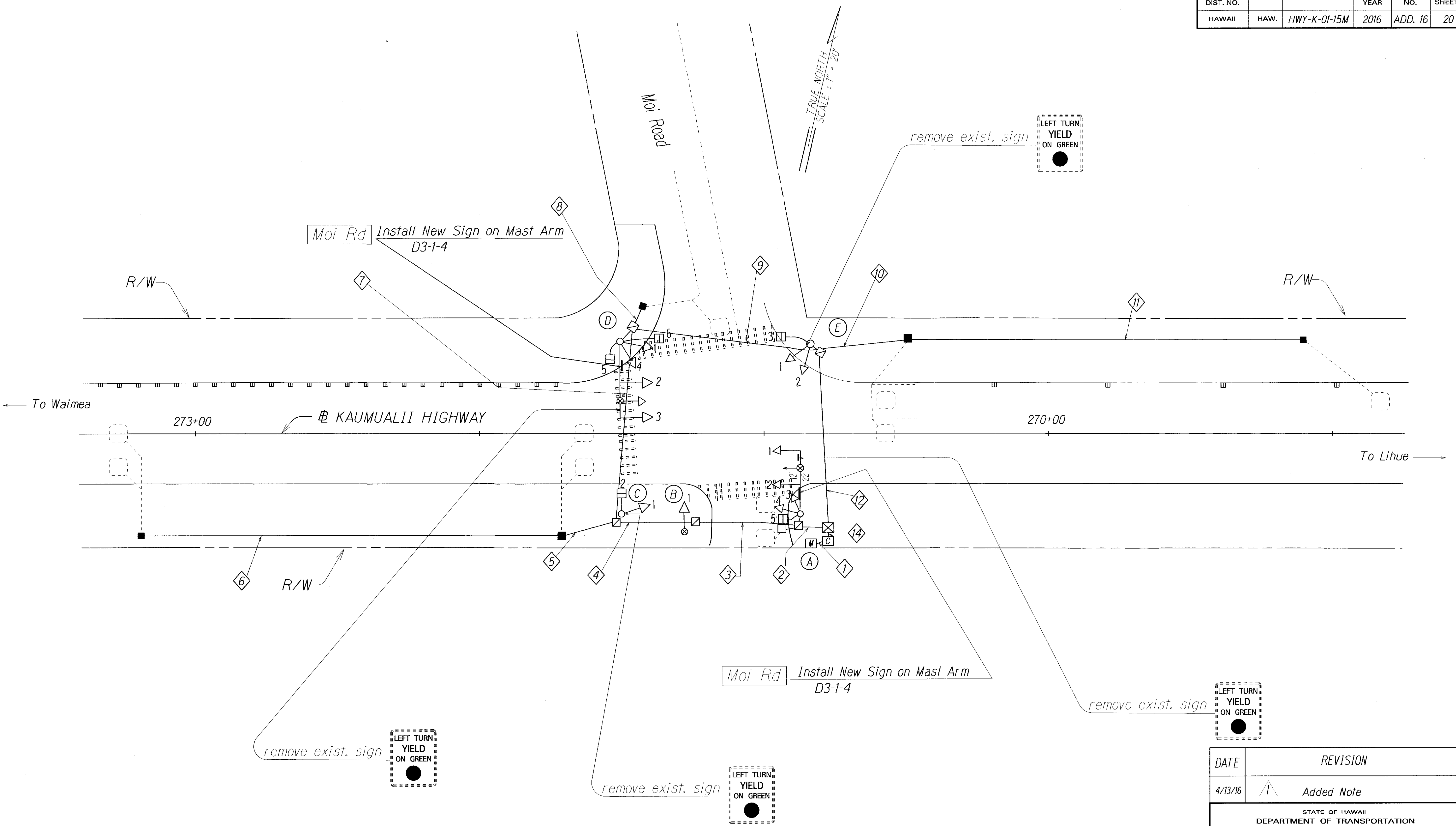
TRAFFIC SIGNAL PLAN

Traffic Signal Rehabilitation at  
Various Locations, Kauai  
Project No. HWY-K-01-15M

Scale: None      Date: Feb. 2016

SHEET No. 6 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-K-01-15M	2016	ADD. 16	20



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BY	DRAWN BY	
QUANTITIES BY	TRACED BY	
CHECKED BY	NOTED BY	

NOTE:  
1. Install new video detection system at this intersection.

DATE	REVISION
4/13/16	Added Note

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC SIGNAL PLAN**

*Traffic Signal Rehabilitation at  
Various Locations, Kauai*

Project No. HWY-K-01-15M





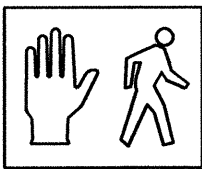
Scale: 1" = 20'      Date: Feb. 2016

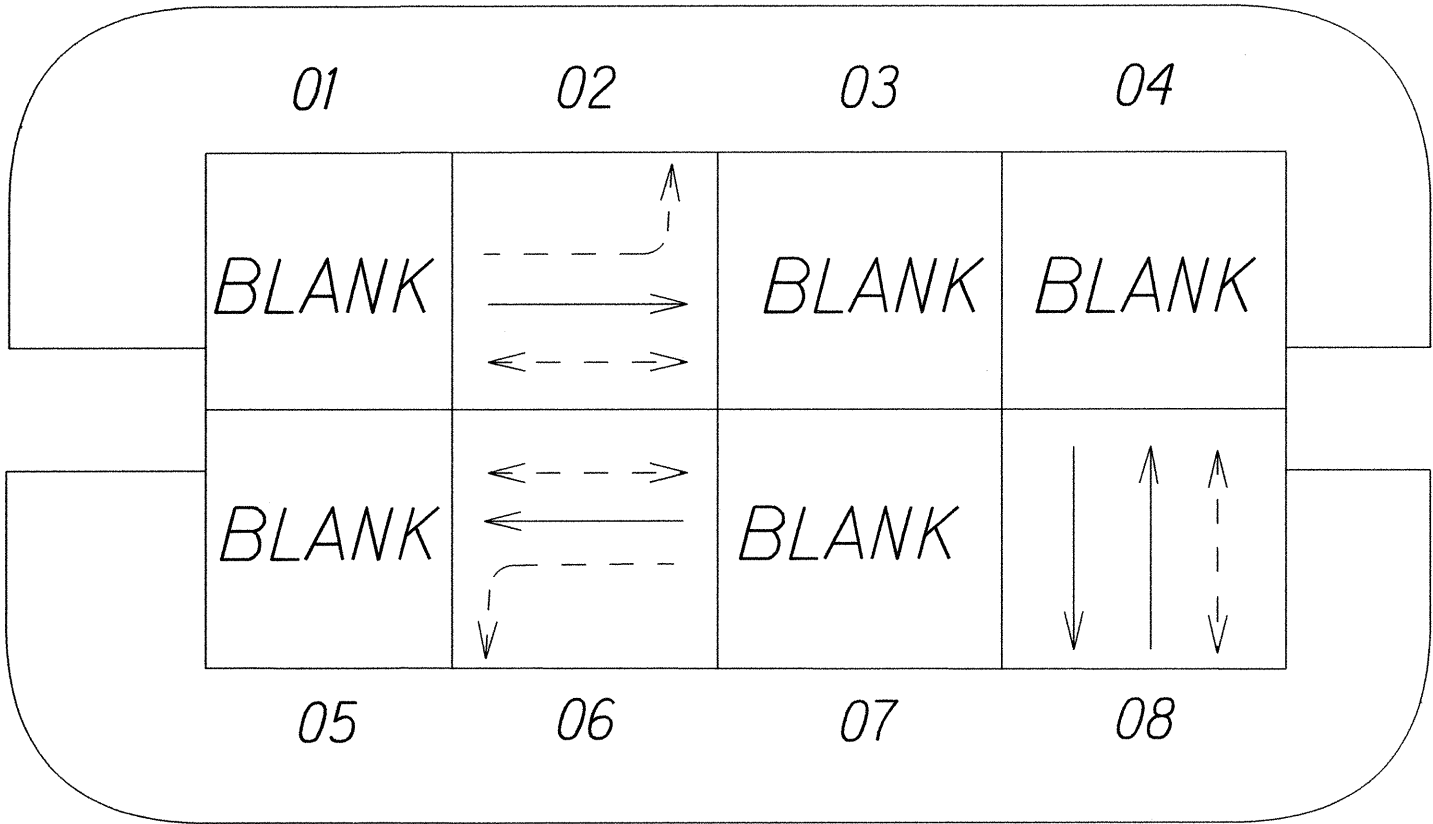
SHEET No. 3 OF 8 SHEETS



CABLE SCHEDULE																			
DESCRIPTION	DIAMOND ITEM NO. ( ◊ )														POLE LETTER				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	A	B	C	D	E
Quantity of 26C #14 Traffic Control Cable		1	1	1			1		1			1	1	2					
Quantity of 2C #14 Loop Detector & Pedestrian Push Button Lead-in Cable		6	4	4	2	1		1	2	2	1	6	6	12	1	2		2	1
Quantity of 6-Pairs #19 Conductor, Interconnect Cable																			
Quantity of 3C #6 Power Cable	1																		
Quantity of Type 7 Cable EVP		2	1	1					1			2	2	3	1	1		1	
Quantity of #6 Ground Copper	1	1	1	1			1		1			1	1	1	1	1	1	1	1
Quantity of 4C #14 Signal Cable															4	2	2	6	3

TRAFFIC SIGNAL STANDARD & HEAD		
POLE LETTER	SIGNAL HEAD NO.	STANDARD TYPE
A	1, 2, 3 & 4	II-22
B	1	I-10
C	1	I-10
D	1, 2, 3 & 4	II-26
E	1, 2 & 3	I-10

TRAFFIC SIGNAL HEAD SCHEDULE					
Traffic Signal Head Type and Description					
	12" RYG Traffic Signal Head	12" RY↑ Traffic Signal Head	12" RY← Traffic Signal Head	12" RYG← Traffic Signal Head	Pedestrian Signal Head
Pole Letter Signal Head Number	A-1,2,3&4 B-1 C-1 D-1,2,3&4 E-1, 2				A-5 B-2 C-2 D-5,6 E-3



PHASING DIAGRAM



Moi Road

ORIGINAL PLAN  
DESIGNED BY  
CHECKED BY  
DATE  
NOTED BY  
QUANTITIES BY  
CITY OF HONOLULU

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**TRAFFIC SIGNAL PLAN**  
Traffic Signal Rehabilitation at  
Various Locations, Kauai  
Project No. HWY-K-01-15M  
Scale: None Date: Feb. 2016  
SHEET No. 8 OF 8 SHEETS