

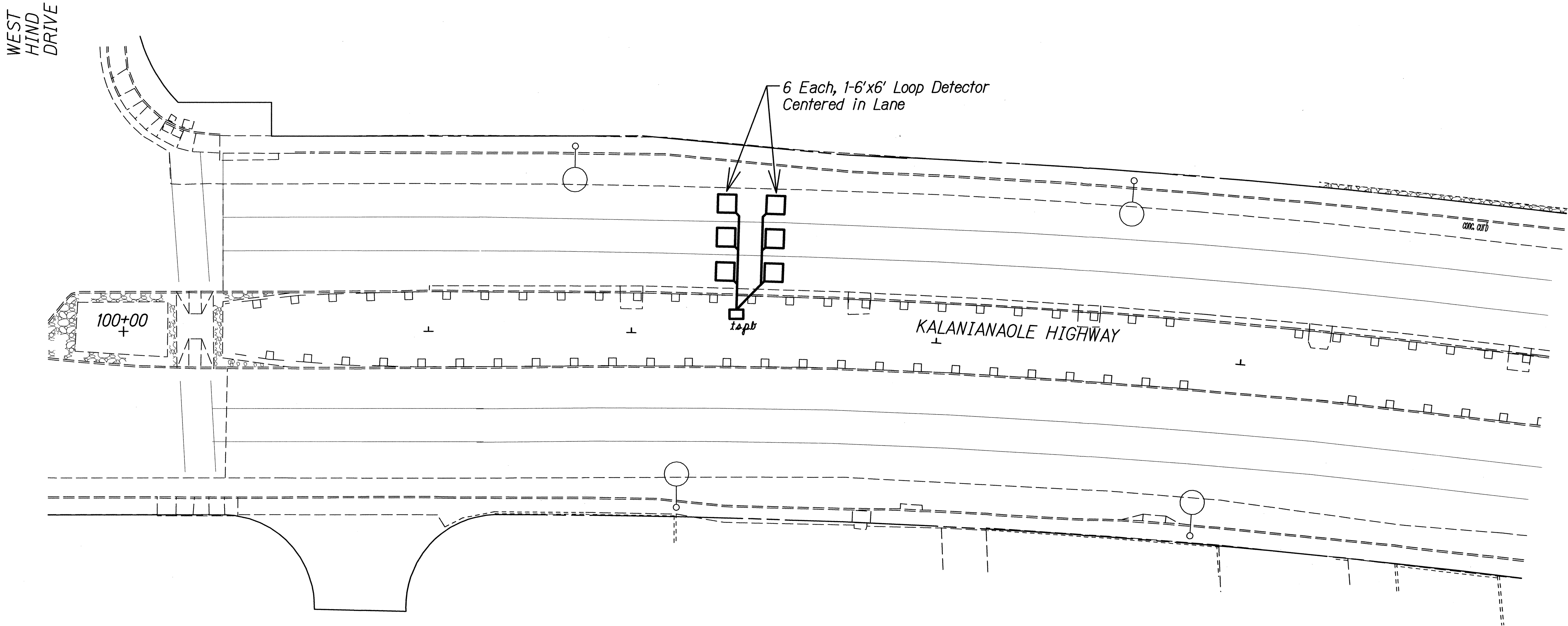
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(056)	2013	65	85

NOTES:

1. Loop detector location and quantity shown on this plan are only approximate. Contractor shall coordinate with C&C DTS Signal Shop (Supervisor Wally Nakihiro @ 564-6101) for all traffic signal-related work. Schedule with C&C DTS Signal Shop at least two weeks in advance of the actual work, including pavement cold planing removing the existing loop detector.
2. Contractor shall perform all traffic signal-related work following field instructions from DTS Signal Shop personnel. Such field instructions shall include, but not limited to, the final location and quantity of the temporary microwave sensors and permanent detector loops. DTS Signal Shop personnel will be responsible for traffic signal controller programming at the traffic signal cabinet to accommodate the temporary and permanent operations.
3. Contractor shall promptly take down and turnover the temporary microwave sensors to DTS when the permanent detector loops are in place and operational. Contractor shall perform all necessary work to restore traffic signal system back to a neat appearance of the electrical trade.

TRAFFIC SIGNAL LEGEND:

- *tsp* Existing Traffic Signal Pole
- (((□ Temporary Microwave Detector
- □ New Loop Detectors
- *tspb* Existing Traffic Signal Pullbox



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DRAWN BY	XXXX	XX
DESIGNED BY	XXXX	XX
NOTE BOOK	102m	
QUANTITIES BY	XXXX	
CHECKED BY	XXXX	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTOR PLAN
KALANIANAʻOLE HIGHWAY RESURFACING
West Hind Drive to
Vicinity of Hanauma Bay Drive
Federal Aid Project No. NH-072-1(056)
Scale: 1"=20' Date: July 2013

SHEET No. T23 OF 35 SHEETS

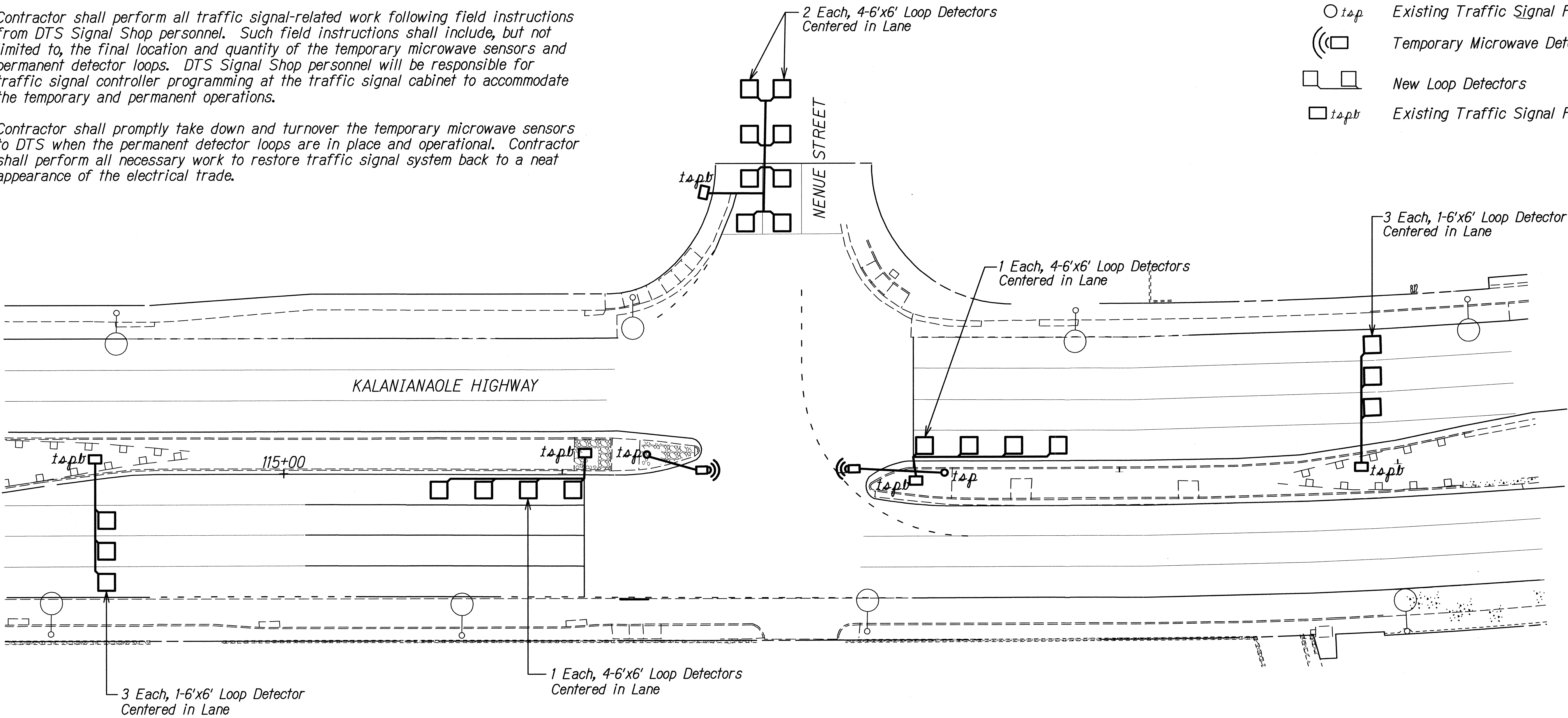
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(056)	2013	66	85

NOTES:

1. Loop detector location and quantity shown on this plan are only approximate. Contractor shall coordinate with C&C DTS Signal Shop (Supervisor Wally Nakihira @ 564-6101) for all traffic signal-related work. Schedule with C&C DTS Signal Shop at least two weeks in advance of the actual work, including pavement cold planing removing the existing loop detector.
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TRAFFIC SIGNAL LEGEND:

- *tsp* Existing Traffic Signal Pole
- (((□ Temporary Microwave Detector
- New Loop Detectors
- *tspb* Existing Traffic Signal Pullbox



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
142m	TRACED BY	
No. 142m	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTOR PLAN

KALANIANAʻOLE HIGHWAY RESURFACING

West Hind Drive to
Vicinity of Hanauma Bay Drive

Federal Aid Project No. NH-072-1(056)

Scale: 1"=20' Date: July 2013

SHEET No. T24 OF 35 SHEETS

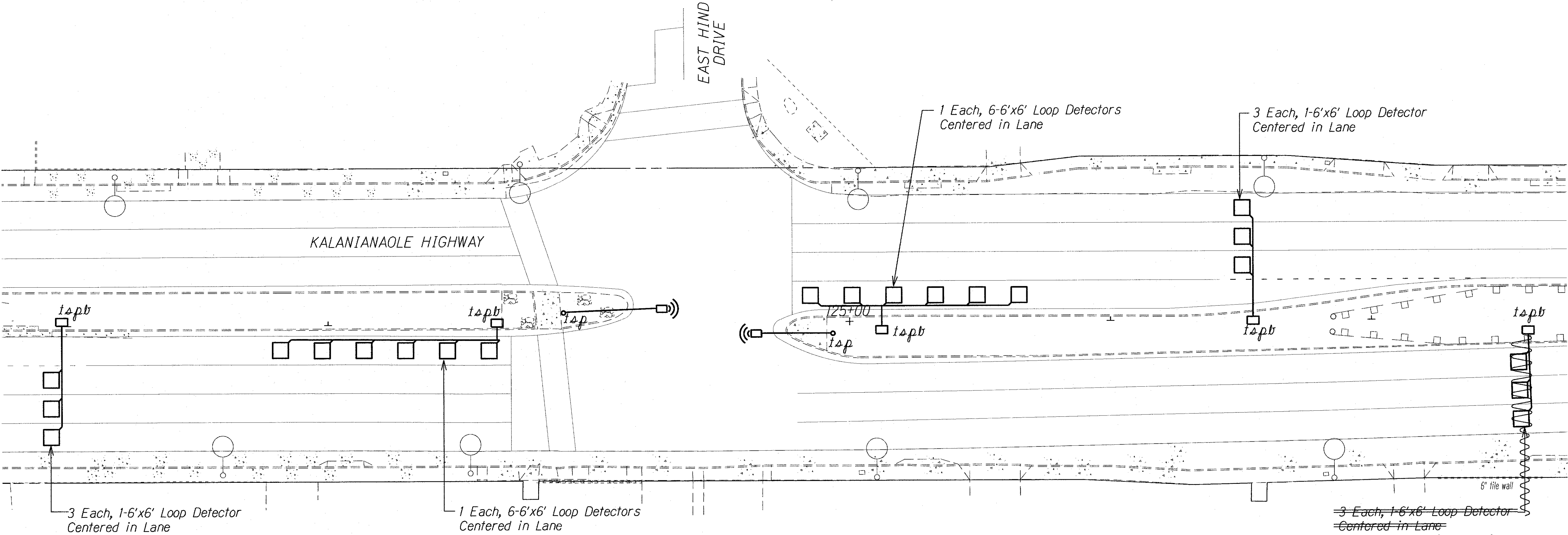
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(056)	2013	67	85

NOTES:

1. Loop detector location and quantity shown on this plan are only approximate. Contractor shall coordinate with C#C DTS Signal Shop (Supervisor Wally Nakihira @ 564-6101) for all traffic signal-related work. Schedule with C#C DTS Signal Shop at least two weeks in advance of the actual work, including pavement cold planing removing the existing loop detector.
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TRAFFIC SIGNAL LEGEND:

- *tsp* Existing Traffic Signal Pole
- (((□ Temporary Microwave Detector
- □ New Loop Detectors
- *tspb* Existing Traffic Signal Pullbox



LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTOR PLAN
KALANIANAʻOLE HIGHWAY RESURFACING
West Hind Drive to
Vicinity of Hanauma Bay Drive
Federal Aid Project No. NH-072-1(056)
Scale: 1"=20' Date: July 2013
SHEET No. T25 OF 35 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
TRACED BY	DRAWN BY	
NOTE BOOK	QUANTITIES BY	
102m	CHECKED BY	
N. Nakihira		

"AS-BUILT"

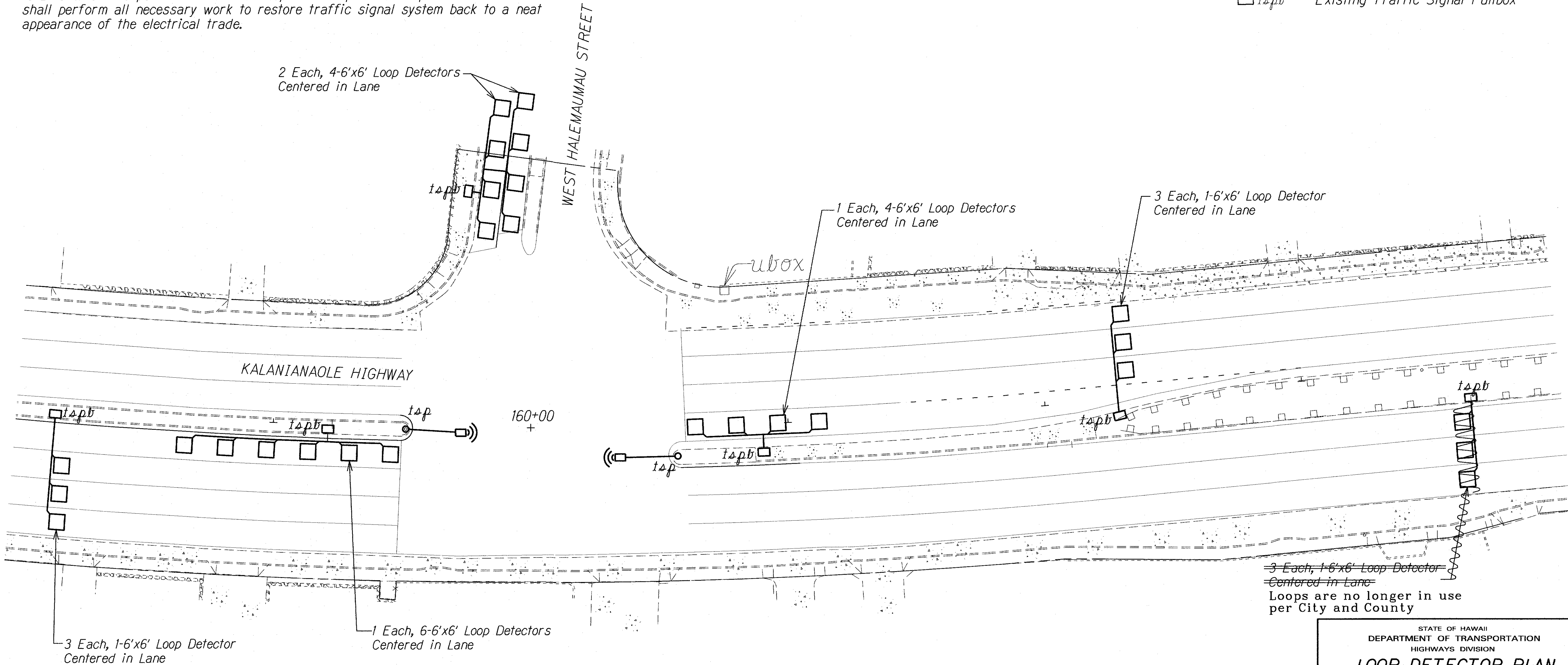
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-11(056)	2013	69	85

NOTES:

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3. Contractor shall promptly take down and turnover the temporary microwave sensors to DTS when the permanent detector loops are in place and operational. Contractor shall perform all necessary work to restore traffic signal system back to a neat appearance of the electrical trade.

TRAFFIC SIGNAL LEGEND:

- t4p Existing Traffic Signal Pole
- (((□ Temporary Microwave Detector
- □ New Loop Detectors
- t4pb Existing Traffic Signal Pullbox



ORIGINAL PLAN	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION


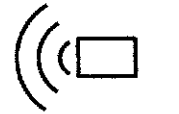
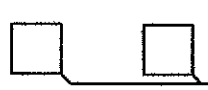
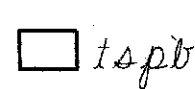
LOOP DETECTOR PLAN
KALANIANAʻOLE HIGHWAY RESURFACING
West Hind Drive to
Vicinity of Hanauma Bay Drive
Federal Aid Project No. NH-072-11(056)
Scale: 1"=20' Date: July 2013
SHEET No. T27 OF 35 SHEETS

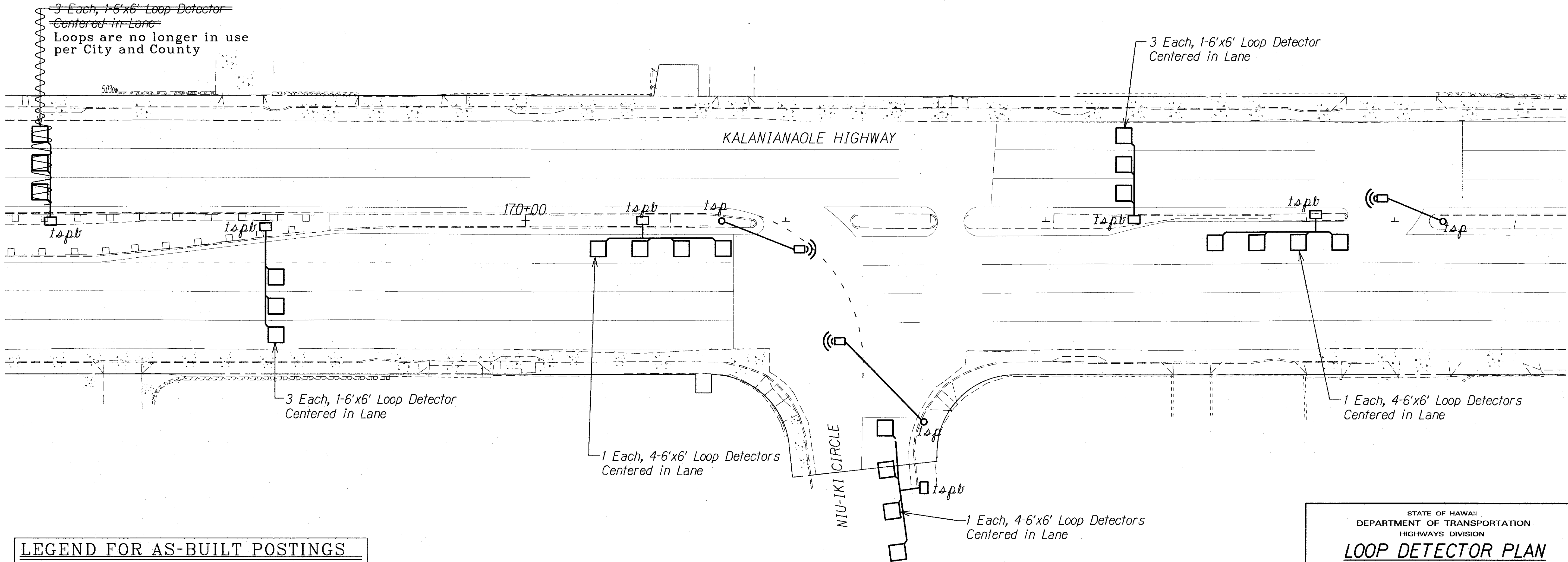
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(056)	2013	70	85

NOTES:

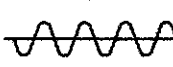
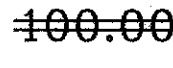
1. Loop detector location and quantity shown on this plan are only approximate. Contractor shall coordinate with C&C DTS Signal Shop (Supervisor Wally Nakihiro @ 564-6101) for all traffic signal-related work. Schedule with C&C DTS Signal Shop at least two weeks in advance of the actual work, including pavement cold planing removing the existing loop detector.
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3. Contractor shall promptly take down and turnover the temporary microwave sensors to DTS when the permanent detector loops are in place and operational. Contractor shall perform all necessary work to restore traffic signal system back to a neat appearance of the electrical trade.

TRAFFIC SIGNAL LEGEND:

-  Existing Traffic Signal Pole
-  Temporary Microwave Detector
-  New Loop Detectors
-  Existing Traffic Signal Pullbox



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

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTOR PLAN
KALANIANA'OLE HIGHWAY RESURFACING
West Hind Drive to
Vicinity of Hanauma Bay Drive
Federal Aid Project No. NH-072-1(056)
Scale: 1"=20' Date: July 2013
SHEET No. 728 OF 35 SHEETS

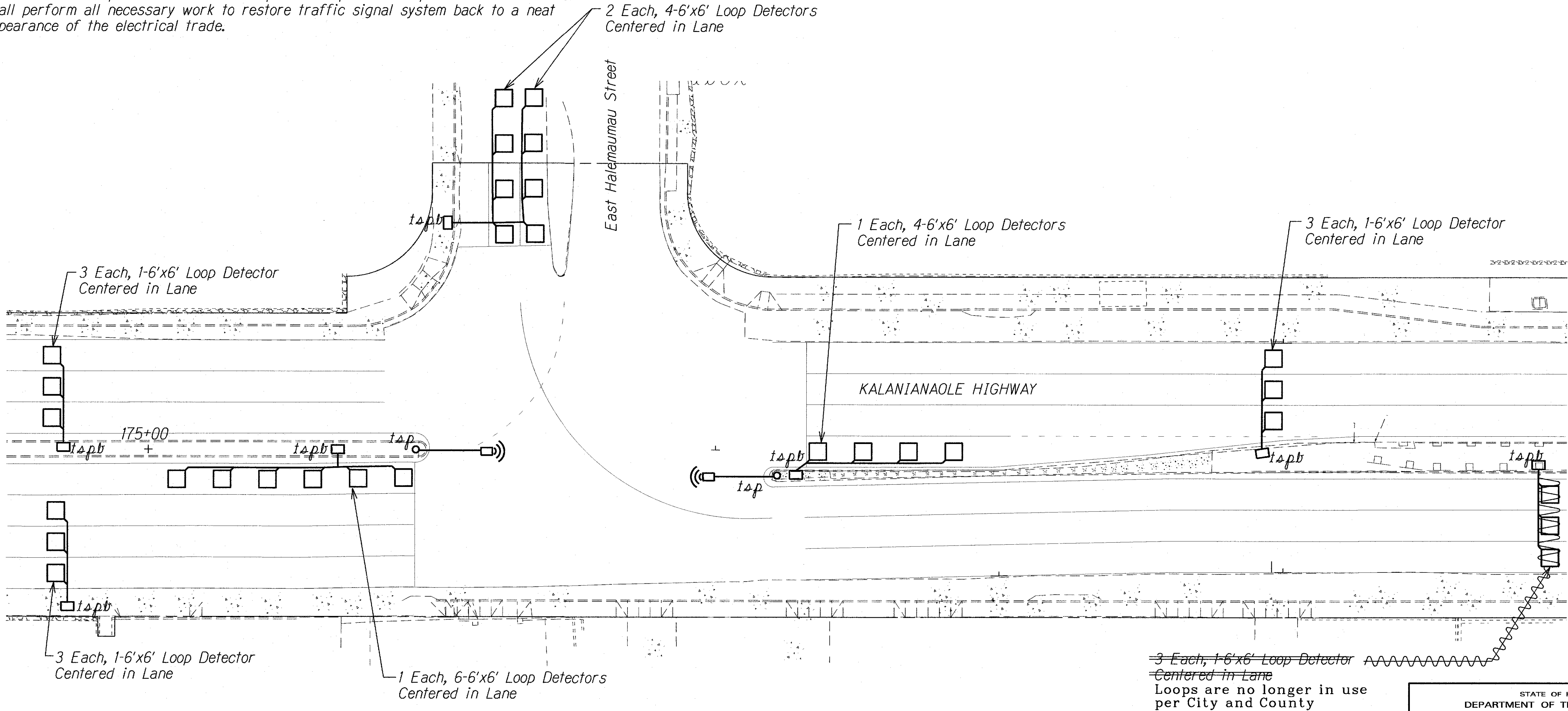
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(056)	2013	71	85

NOTES:

1. Loop detector location and quantity shown on this plan are only approximate. Contractor shall coordinate with C&C DTS Signal Shop (Supervisor Wally Nakihiro @ 564-6101) for all traffic signal-related work. Schedule with C&C DTS Signal Shop at least two weeks in advance of the actual work, including pavement cold planing removing the existing loop detector.
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TRAFFIC SIGNAL LEGEND:

- *tsp* Existing Traffic Signal Pole
- ⌋⌋⌋ Temporary Microwave Detector
- New Loop Detectors
- *tspb* Existing Traffic Signal Pullbox



LEGEND FOR AS-BUILT POSTINGS	
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	Double line for as-built deletion
Roadway	Text for as-built posting

~~3 Each, 1-6'x6' Loop Detector Centered in Lane~~
 Loops are no longer in use per City and County

ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

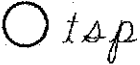
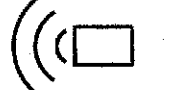

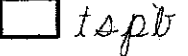
LOOP DETECTOR PLAN
KALANIANAʻOLE HIGHWAY RESURFACING
West Hind Drive to
Vicinity of Hanauma Bay Drive
Federal Aid Project No. NH-072-1(056)
Scale: 1"=20' Date: July 2013
SHEET No. 729 OF 35 SHEETS

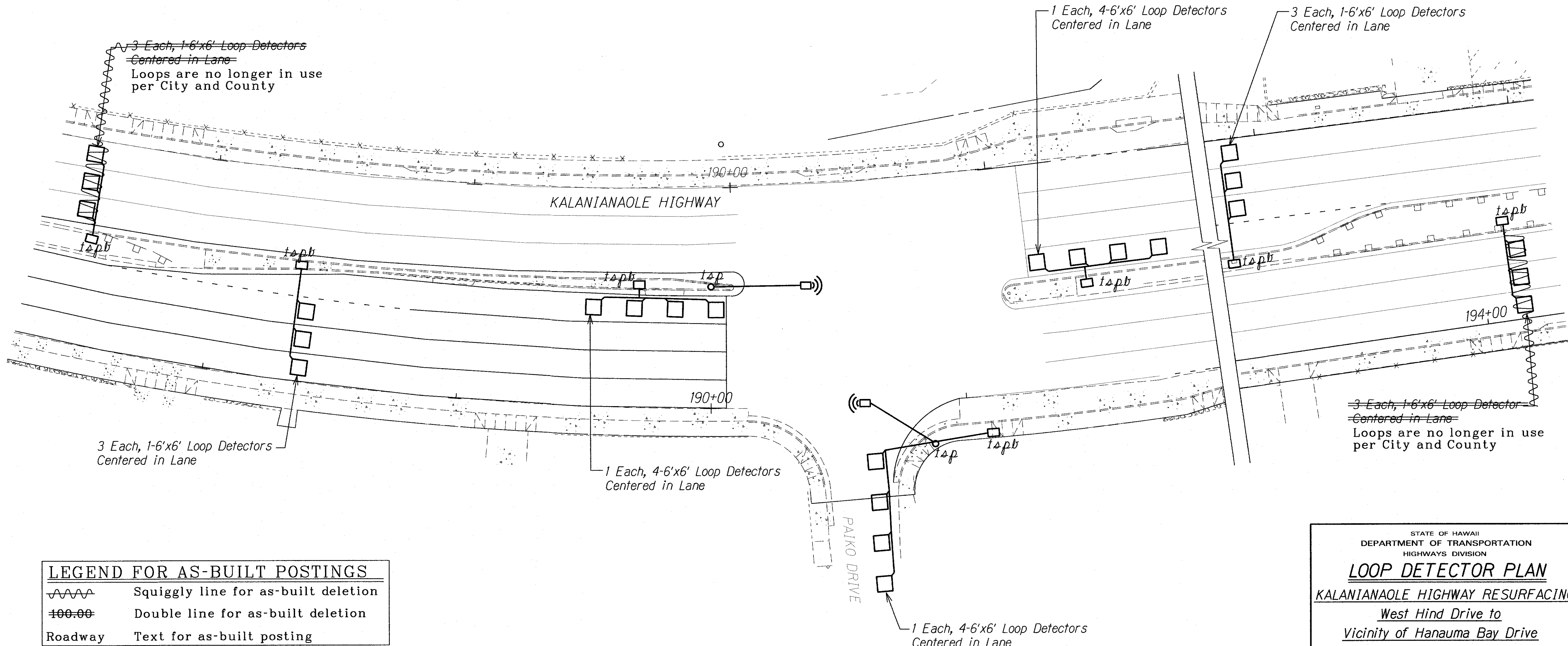
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(056)	2013	72	85

NOTES:

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3. Contractor shall promptly take down and turnover the temporary microwave sensors to DTS when the permanent detector loops are in place and operational. Contractor shall perform all necessary work to restore traffic signal system back to a neat appearance of the electrical trade.

TRAFFIC SIGNAL LEGEND:

-  Existing Traffic Signal Pole
-  Temporary Microwave Detector
-  New Loop Detectors
-  Existing Traffic Signal Pullbox



DESIGNED BY	DATE
DRAWN BY	
NOTED BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

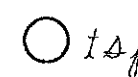
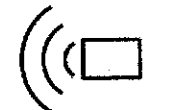

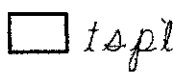
LOOP DETECTOR PLAN
KALANIANA'OLE HIGHWAY RESURFACING
West Hind Drive to
Vicinity of Hanauma Bay Drive
Federal Aid Project No. NH-072-1(056)
Scale: 1"=20' Date: July 2013
SHEET No. T30 OF 35 SHEETS

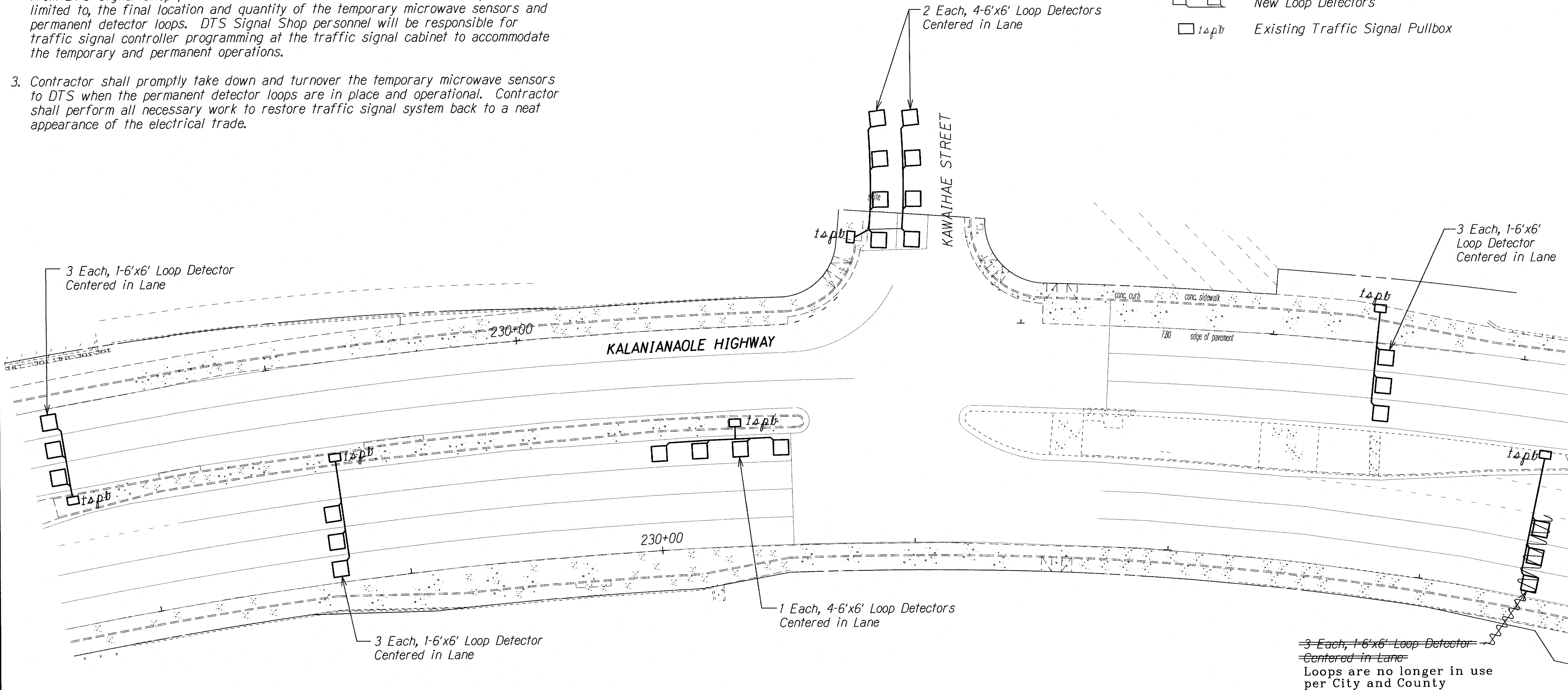
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-K056	2013	74	85

NOTES:


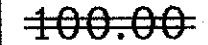
1. Loop detector location and quantity shown on this plan are only approximate. Contractor shall coordinate with C&C DTS Signal Shop (Supervisor Wally Nakihiro @ 564-6101) for all traffic signal-related work. Schedule with C&C DTS Signal Shop at least two weeks in advance of the actual work, including pavement cold planing removing the existing loop detector.
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3. Contractor shall promptly take down and turnover the temporary microwave sensors to DTS when the permanent detector loops are in place and operational. Contractor shall perform all necessary work to restore traffic signal system back to a neat appearance of the electrical trade.

TRAFFIC SIGNAL LEGEND:

-  Existing Traffic Signal Pole
-  Temporary Microwave Detector
-  New Loop Detectors
-  Existing Traffic Signal Pullbox



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
TRACED BY		
DESIGNED BY		
CHECKED BY		
NOTED BY		
DATE		
BY		

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTOR PLAN

KALANIANA'OLE HIGHWAY RESURFACING

West Hind Drive to

Vicinity of Hanauma Bay Drive

Federal Aid Project No. NH-072-K056

Scale: 1"=20'

Date: July 2013

SHEET No. T32 OF 35 SHEETS

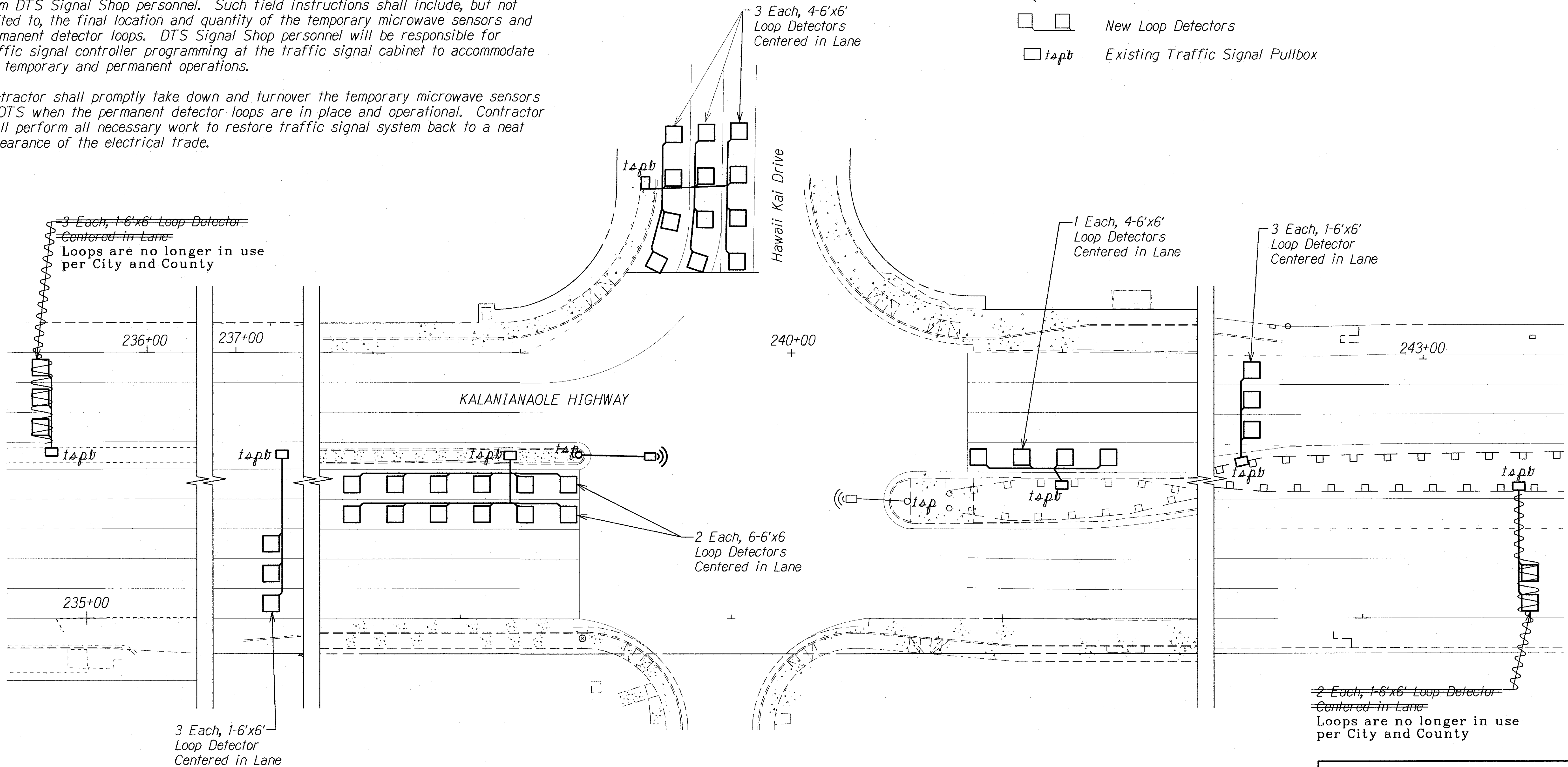
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-K(056)	2013	75	85

NOTES:

1. Loop detector location and quantity shown on this plan are only approximate. Contractor shall coordinate with C&C DTS Signal Shop (Supervisor Wally Nakihiro @ 564-6101) for all traffic signal-related work. Schedule with C&C DTS Signal Shop at least two weeks in advance of the actual work, including pavement cold planing removing the existing loop detector.
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TRAFFIC SIGNAL LEGEND:

- *tsp* Existing Traffic Signal Pole
((□ Temporary Microwave Detector
□ New Loop Detectors
□ *tspb* Existing Traffic Signal Pullbox



LEGEND FOR AS-BUILT POSTINGS

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=00.00 Double line for as-built deletion
Roadway Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTOR PLAN

KALANIANAʻOLE HIGHWAY RESURFACING

West Hind Drive to
Vicinity of Hanauma Bay Drive

Federal Aid Project No. NH-072-K(056)

Scale: 1"=20' Date: July 2013

SHEET No. T33 OF 35 SHEETS

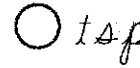


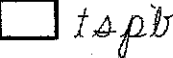
"AS-BUILT"

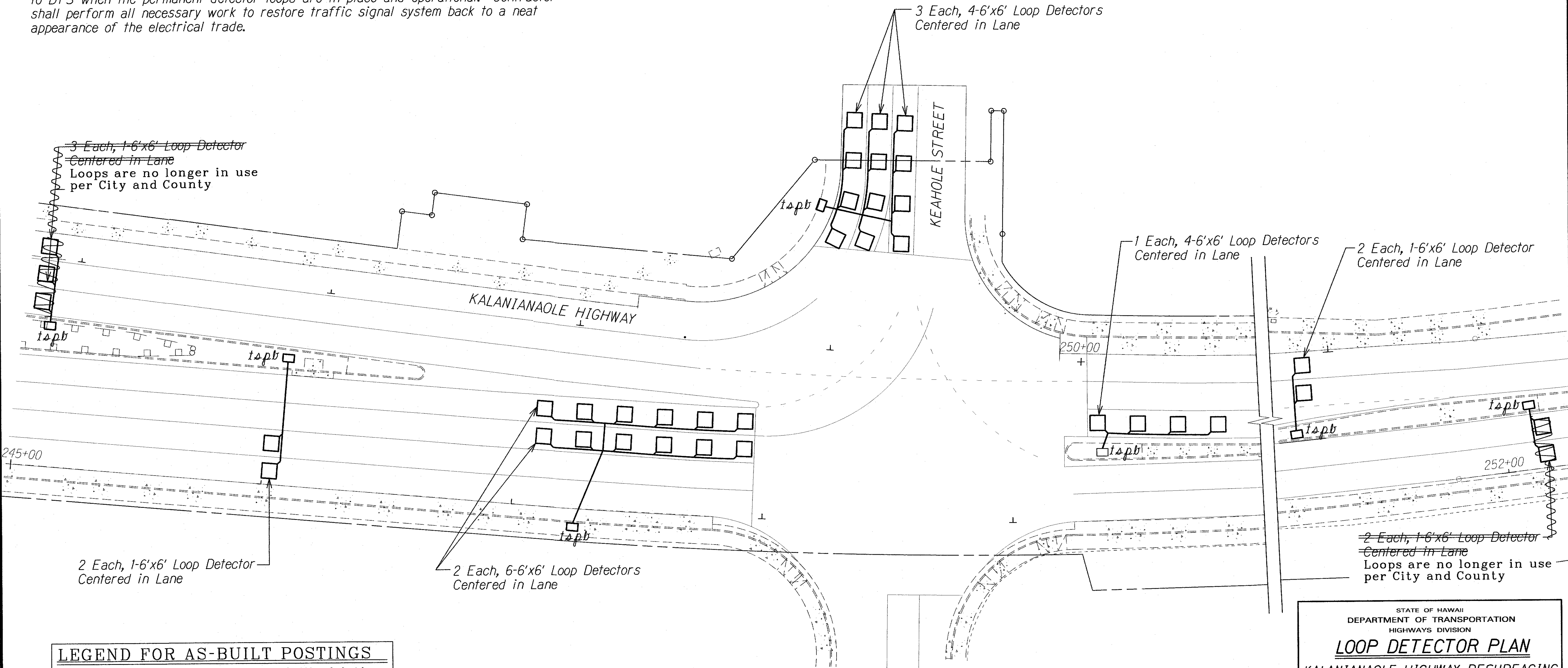
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(056)	2013	76	85

NOTES:

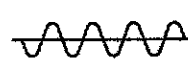
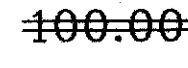
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TRAFFIC SIGNAL LEGEND:

-  Existing Traffic Signal Pole
-  Temporary Microwave Detector
-  New Loop Detectors
-  Existing Traffic Signal Pullbox



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

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTOR PLAN

KALANIANA'OLE HIGHWAY RESURFACING

West Hind Drive to

Vicinity of Hanauma Bay Drive

Federal Aid Project No. NH-072-1(056)

Scale: 1"=20'

Date: July 2013

SHEET No. 734 OF 35 SHEETS

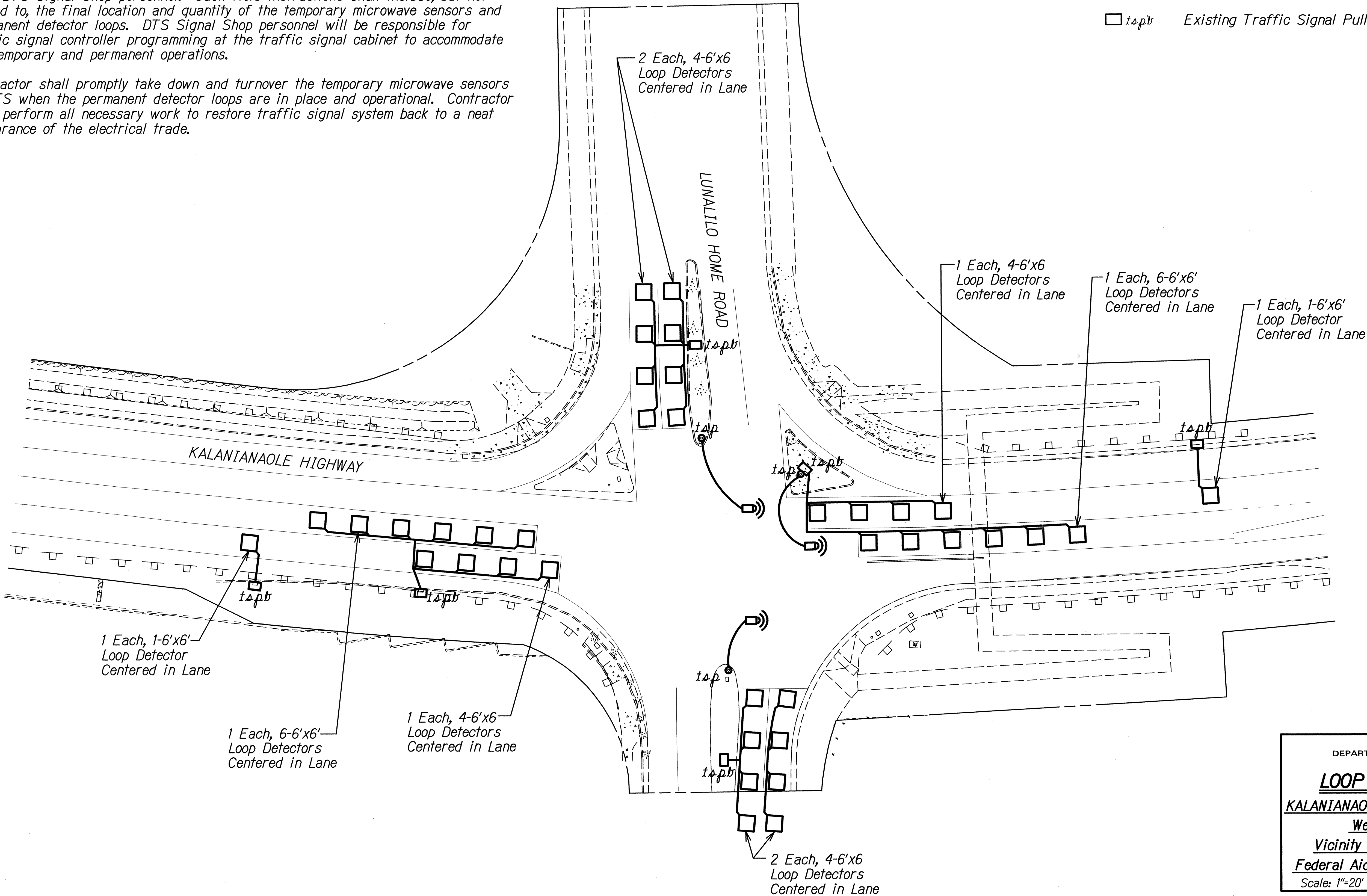
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(056)	2013	77	85

NOTES:

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TRAFFIC SIGNAL LEGEND:

- *tsp* Existing Traffic Signal Pole
- (((□ Temporary Microwave Detector
- □ New Loop Detectors
- *tspb* Existing Traffic Signal Pullbox



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
102m	DESIGNED BY	
Sa. Kalidp3	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTOR PLAN

KALANIANAʻOLE HIGHWAY RESURFACING

West Hind Drive to
Vicinity of Hanauma Bay Drive

Federal Aid Project No. NH-072-1(056)

Scale: 1"=20' Date: July 2013

SHEET No. 735 OF 35 SHEETS