

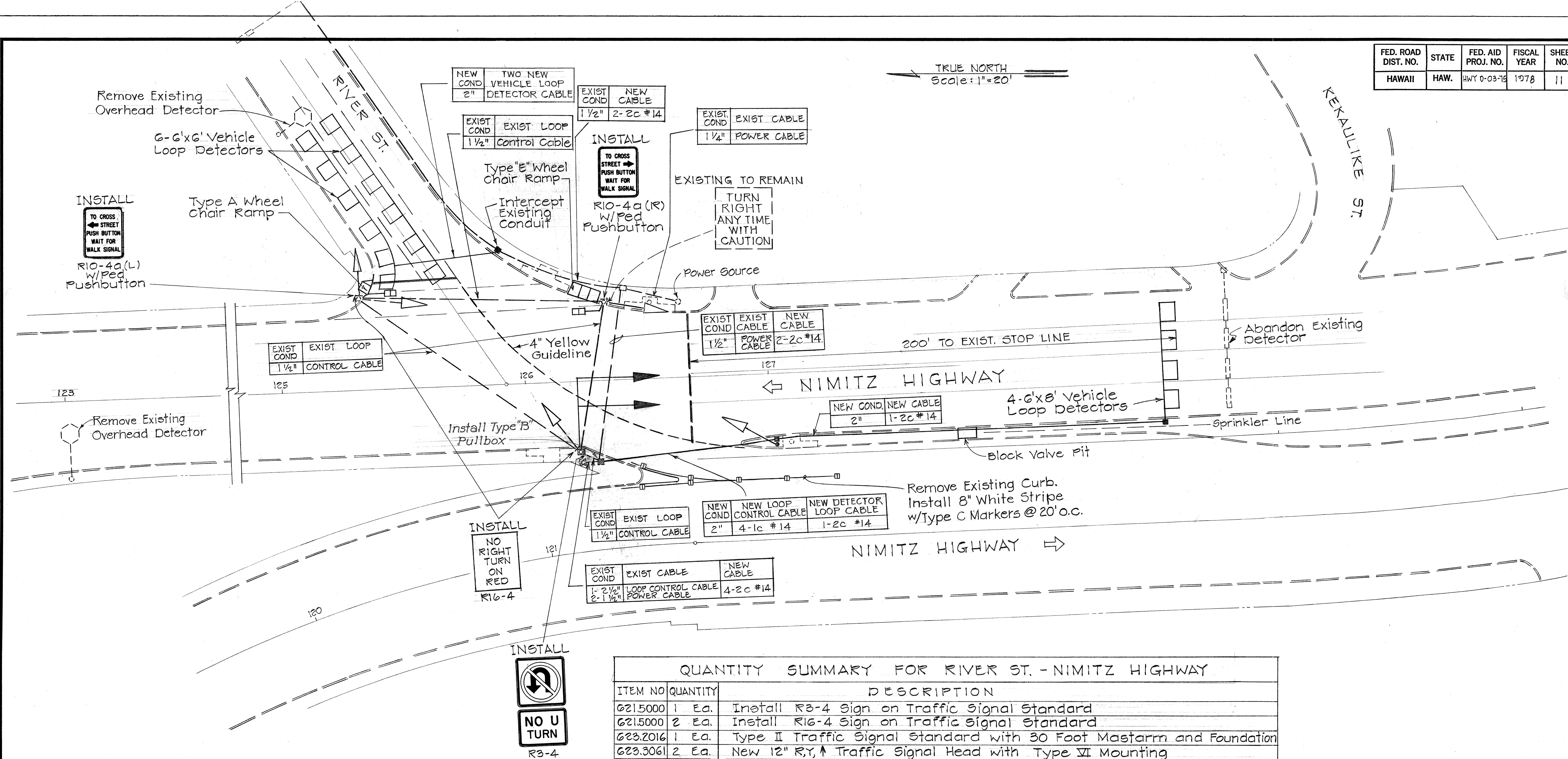








| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY 0-03-75        | 1978        | 11        | 79           |



NOTE:  
1. Removal of Existing Curb to be incidental to Pavement Striping.

| QUANTITY SUMMARY FOR RIVER ST. - NIMITZ HIGHWAY |          |                                                                                                            |
|-------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------|
| ITEM NO                                         | QUANTITY | DESCRIPTION                                                                                                |
| 621.5000                                        | 1 Ea.    | Install R3-4 Sign on Traffic Signal Standard                                                               |
| 621.5000                                        | 2 Ea.    | Install R16-4 Sign on Traffic Signal Standard                                                              |
| 623.2016                                        | 1 Ea.    | Type II Traffic Signal Standard with 30 Foot Mastarm and Foundation                                        |
| 623.3061                                        | 2 Ea.    | New 12" R,Y,G Traffic Signal Head with Type VI Mounting                                                    |
| 623.2011                                        | 1 Ea.    | Type I Traffic Signal Standard and Foundation                                                              |
| 623.3001                                        | 2 Ea.    | New 12" R,Y,G Traffic Signal Head with Type I Mounting                                                     |
| 623.8100                                        | 2 Ea.    | Removal of Overhead Detector, Pole and Foundation                                                          |
| 623.3043                                        | 1 Ea.    | One New 12" R,Y,G Traffic Signal Head and one Relocated 12" R,Y,G Traffic Signal Head with Type V Mounting |
| 623.4300                                        | 2 Ea.    | New Pedestrian Signal Head with Type IV Mounting                                                           |
| 623.3035                                        | 1 Ea.    | Relocated 12" R,Y,G Traffic Signal Head with Type IV Mounting                                              |
| 623.6010                                        | 3 Ea.    | Type "B" Pullbox                                                                                           |
| 623.8050                                        | 2 Ea.    | Loop Detector Sensing Unit (6 Ft. x 6 Ft.) 6 Loops                                                         |
| 623.8080                                        | 1 Ea.    | Loop Detector Sensing Unit (6 Ft. x 8 Ft.) 4 Loops                                                         |
| 623.4600                                        | 2 Ea.    | Pedestrian Pushbutton with RIO-4a Sign                                                                     |
| 623.5000                                        | 245 L.F. | 1 - 2 Inch Conduit                                                                                         |
| 623.7020                                        | 380 L.F. | No. 14 2-Conductor Loop Detector Cable                                                                     |
| 629.1010                                        | 300 L.F. | Pavement Striping                                                                                          |
| 650.0010                                        | 1 Ea.    | Type "A" Wheel Chair Ramp                                                                                  |
| 650.0050                                        | 1 Ea.    | Type "E" Wheel Chair Ramp                                                                                  |
| 629.2030                                        | 7 Ea.    | Type "C" Pavement Marker                                                                                   |
|                                                 | 244 L.F. | Pedestrian Pushbutton Control Cable (1-2C #14)                                                             |

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

UPGRADE TRAFFIC SIGNALS

AT VARIOUS INTERSECTIONS

RIVER ST. & NIMITZ HIGHWAY

PROJ. NO. HWY-0-03-75

Scale: 1"=20'      Date: April 1977

SHEET NO. 7 OF 49 SHEETS

|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| TRACED BY         |      |
| NOTED BY          |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |
| ORIGINAL PLAN     |      |
| NOTE BOOK         |      |
| No.               |      |



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-0-03-75        | 1978        | 12        | 79           |

| QUANTITY SUMMARY FOR NIMITZ HIGHWAY - PACIFIC STREET (MAUKA) |                         |                                                                                                                                                     |
|--------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| ITEM NO                                                      | QUANTITY                | DESCRIPTION                                                                                                                                         |
| 623.2016                                                     | 1 Ea.                   | Type II Traffic Signal Standard with 30 Foot Mastarm and Foundation                                                                                 |
| 623.3061                                                     | 2 Ea.                   | New 12" R,Y,G Traffic Signal Head with Type VI Mounting                                                                                             |
| 623.3043                                                     | 1 Ea.                   | One new 12" R,Y,G Traffic Signal Head and one relocated 12" R,Y,G Traffic Signal Head with Type V Mounting                                          |
| 623.3023                                                     | 1 Ea.                   | One new 12" R,Y,G Traffic Signal Head, One new 12" R,Y,G Traffic Signal Head and one relocated 12" R,Y,G Traffic Signal Head with Type III Mounting |
| 623.3011                                                     | 1 Ea.                   | One new 12" R,Y,G Traffic Signal Head and one new 12" R,Y,G Traffic Signal Head with Type II Mounting                                               |
| 623.3021                                                     | 1 Ea.                   | Two new 12" R,Y,G Traffic Signal Head and one new 12" R,Y,G Traffic Signal Head with Type III Mounting                                              |
| 623.4300                                                     | 2 Ea.                   | New Pedestrian Signal Head with Type IV Mounting                                                                                                    |
| 623.4400                                                     | 2 Ea.                   | Two new Pedestrian Signal Head with Type V Mounting                                                                                                 |
| 623.4600                                                     | 3 Ea.                   | Pedestrian Pushbutton with R10-4a Sign                                                                                                              |
| 623.6010                                                     | 3 Ea.                   | Type "B" Pullbox                                                                                                                                    |
| 623.8040                                                     | 4 Ea.                   | Loop Detector Sensing Unit (6 Ft. x 6 Ft.) 4 Loops                                                                                                  |
| 623.8080                                                     | 1 Ea.                   | Loop Detector Sensing Unit (6 Ft. x 8 Ft.) 4 Loops                                                                                                  |
| 623.5000                                                     | 720 L.F.                | 1- 2 Inch Conduit                                                                                                                                   |
| 623.7020                                                     | See Pacific St. (Makai) | No. 14 2-Conductor Loop Detector Cable                                                                                                              |
| 623.1010                                                     | See Pacific St. (Makai) | Pavement Striping                                                                                                                                   |
| 623.8100                                                     | See Pacific St. (Makai) | Removal of Overhead Detector, Pole and Foundation                                                                                                   |
| 623.2009                                                     | 1 Ea.                   | Relocated Type I Standard                                                                                                                           |
| 623.7030                                                     | See Pacific St. (Makai) | No. 14 26-Conductor Loop Control Cable                                                                                                              |
| 650.0010                                                     | 3 Ea.                   | Type "A" Wheel Chair Ramp                                                                                                                           |
| 650.0050                                                     | 3 Ea.                   | Type "E" Wheel Chair Ramp                                                                                                                           |
|                                                              | 375 L.F.                | Pedestrian Pushbutton Control Cable (1-2C #14)                                                                                                      |

NOTE:  
1. Tie in existing conduit to new pullbox for traffic signal system as shown. Exact location of pullbox will be determined in the field.

|             |               |
|-------------|---------------|
| DATE        | 11/15/77      |
| DESIGNED BY | TRACED BY     |
| NOTED BY    | QUANTITIES BY |
| CHECKED BY  |               |

|               |      |
|---------------|------|
| ORIGINAL PLAN | DATE |
| NO.           |      |

|                                |
|--------------------------------|
| Quantity Summary               |
| 11/15/77 New Conduit and Cable |
| Date Revision                  |

|                                                                      |
|----------------------------------------------------------------------|
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION |
| UPGRADE TRAFFIC SIGNALS<br>AT VARIOUS INTERSECTIONS                  |
| NIMITZ HWY.-PACIFIC ST. (MAUKA)                                      |
| Proj. No. HWY-0-03-75                                                |
| Scale: As Shown Date: April, 1977                                    |
| SHEET No. 8 OF 49 SHEETS                                             |



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-0-03-75        | 1978        | 13        | 79           |

| 760 L.F. Pedestrian Pushbutton Control Cable (1-2C #14)    |             |                                                                                                             |
|------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|
| QUANTITY SUMMARY FOR NIMITZ HIGHWAY-PACIFIC STREET (MAKAI) |             |                                                                                                             |
| ITEM NO                                                    | QUANTITY    | DESCRIPTION                                                                                                 |
| 623.2016                                                   | 1 Ea.       | Type II Traffic Signal Standard with 30 Foot Mastarm and Foundation                                         |
| 623.3061                                                   | 2 Ea.       | New 12" R,Y,G Traffic Signal Head with Type VI Mounting                                                     |
| 623.3043                                                   | 1 Ea.       | One new 12" R,Y,G Traffic Signal Head and one relocated 12" R,Y,G Traffic Signal Head with Type V Mounting  |
| 623.3015                                                   | 1 Ea.       | One new 12" R,Y,G Traffic Signal Head and one relocated 12" R,Y,G Traffic Signal Head with Type II Mounting |
| 623.4400                                                   | 2 Ea.       | Two new Pedestrian Signal Head with Type V Mounting                                                         |
| 623.4600                                                   | 6 Ea.       | Pedestrian Pushbutton with R10-4a Sign                                                                      |
| 623.6010                                                   | 2 Ea.       | Type "B" Pullbox                                                                                            |
| 623.8040                                                   | 2 Ea.       | Loop Detector Sensing Unit (6 Ft. x 6 Ft.) 4 Loops                                                          |
| 623.8030                                                   | 1 Ea.       | Loop Detector Sensing Unit (6 Ft. x 6 Ft.) 3 Loops                                                          |
| 623.8020                                                   | 1 Ea.       | Loop Detector Sensing Unit (6 Ft. x 6 Ft.) 2 Loops                                                          |
| 623.8030                                                   | 1 Ea.       | Loop Detector Sensing Unit (6 Ft. x 8 Ft.) 4 Loops                                                          |
| 623.5000                                                   | 945 L.F.    | 1- 2 Inch Conduit                                                                                           |
| 623.7020                                                   | 2,100 L.F.* | No. 14 - 2 Conductor Loop Detector Cable                                                                    |
| 623.1010                                                   | 775 L.F.*   | Pavement Striping                                                                                           |
| 623.1020                                                   | 14 Lanes    | Crosswalk Marking                                                                                           |
| 623.8100                                                   | 4 Ea.*      | Remove Overhead Detector, Pole and Foundation                                                               |
| 623.4300                                                   | 2 Ea.       | New Pedestrian Signal Head with Type IV Mounting                                                            |
| 650.0040                                                   | 1 Ea.       | Type "D" Wheel Chair Ramp                                                                                   |
| 650.0050                                                   | 3 Ea.       | Type "E" Wheel Chair Ramp                                                                                   |
| 608.0200                                                   | 20 Sq.Yd.   | Sidewalk (Concrete)                                                                                         |
| 655.0010                                                   | 1 Ea.       | Flush Channelizing Islands                                                                                  |
| 629.2030                                                   | 56 Ea.      | Type "C" Pavement Marker                                                                                    |
| 623.7030                                                   | 735 L.F.*   | No. 14 - 26 Conductor Loop Control Cable                                                                    |

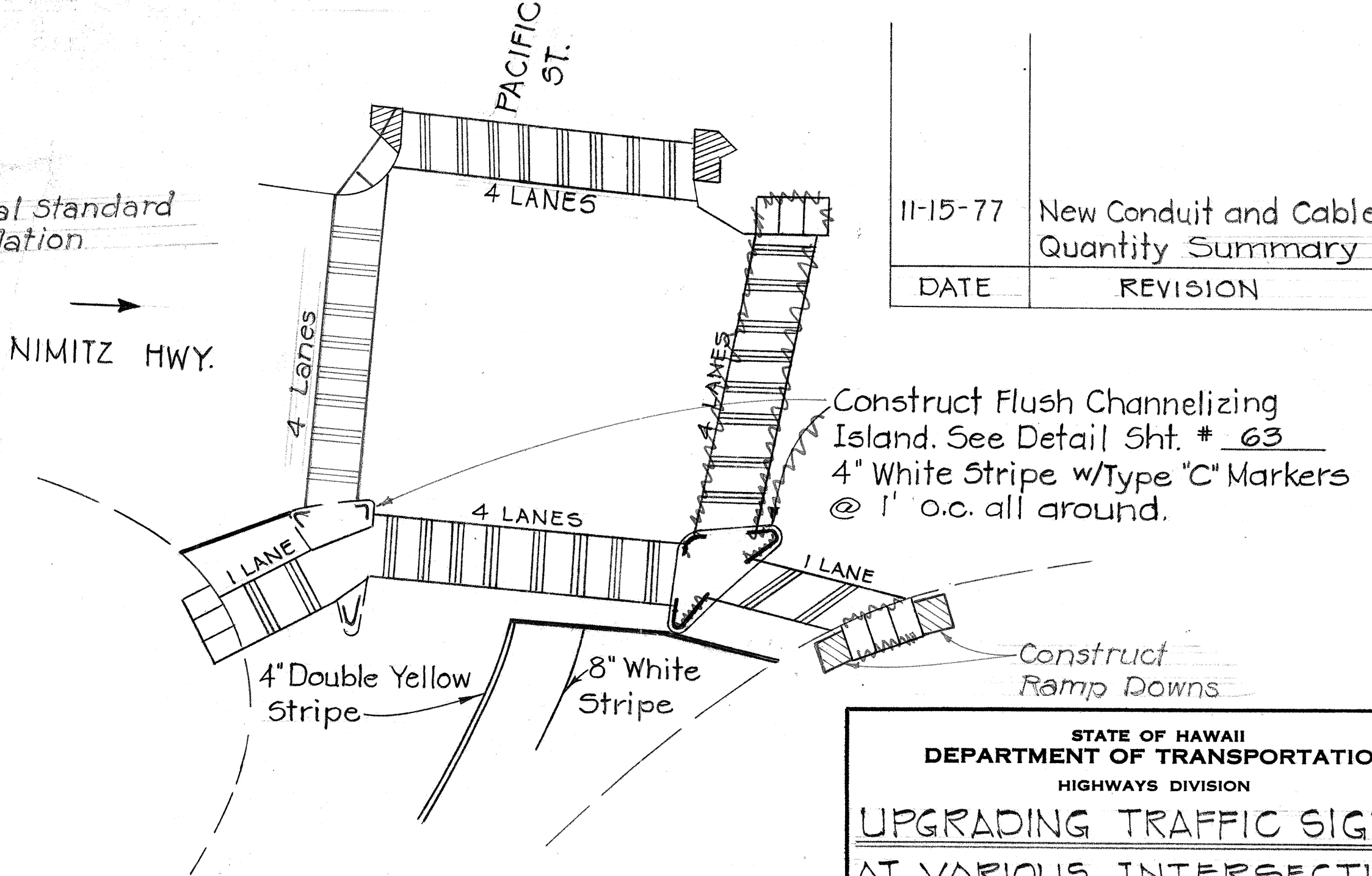
\* Quantity Includes Both (Maui and Makai) Nimitz Highway and Pacific Street Intersection.

NOTE:

Type II Standard w/30 ft. Mastarm from Southeast Island to Northeast Corner

Concrete rampdown (with minimum slope 12:1) to match existing finish grade of Asphalt Concrete Pavement. Concrete shall be paid under item, SIDEWALK.

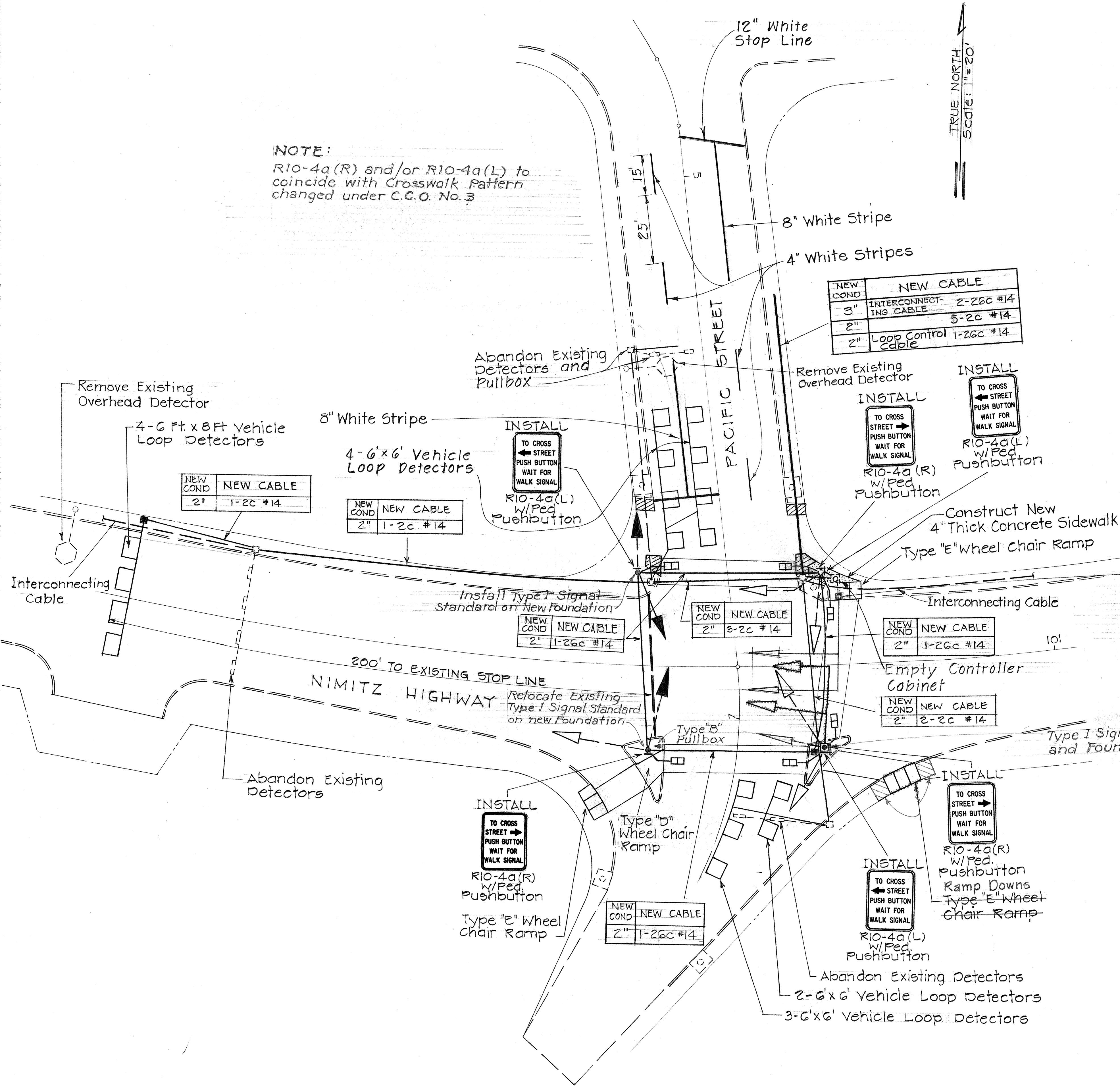
|          |                                        |
|----------|----------------------------------------|
| 11-15-77 | New Conduit and Cable Quantity Summary |
| DATE     | REVISION                               |



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
UPGRADING TRAFFIC SIGNALS  
AT VARIOUS INTERSECTIONS  
NIMITZ HWY-PACIFIC ST. (MAKAI)  
Proj No. HWY-0-03-75  
Scale: As Shown Date: April 1977  
SHEET No. 9 OF 49 SHEETS

NOTE:  
R10-4a(R) and/or R10-4a(L) to coincide with Crosswalk Pattern changed under C.C.O. No. 3

TRUE NORTH  
SCALE: 1"=20'

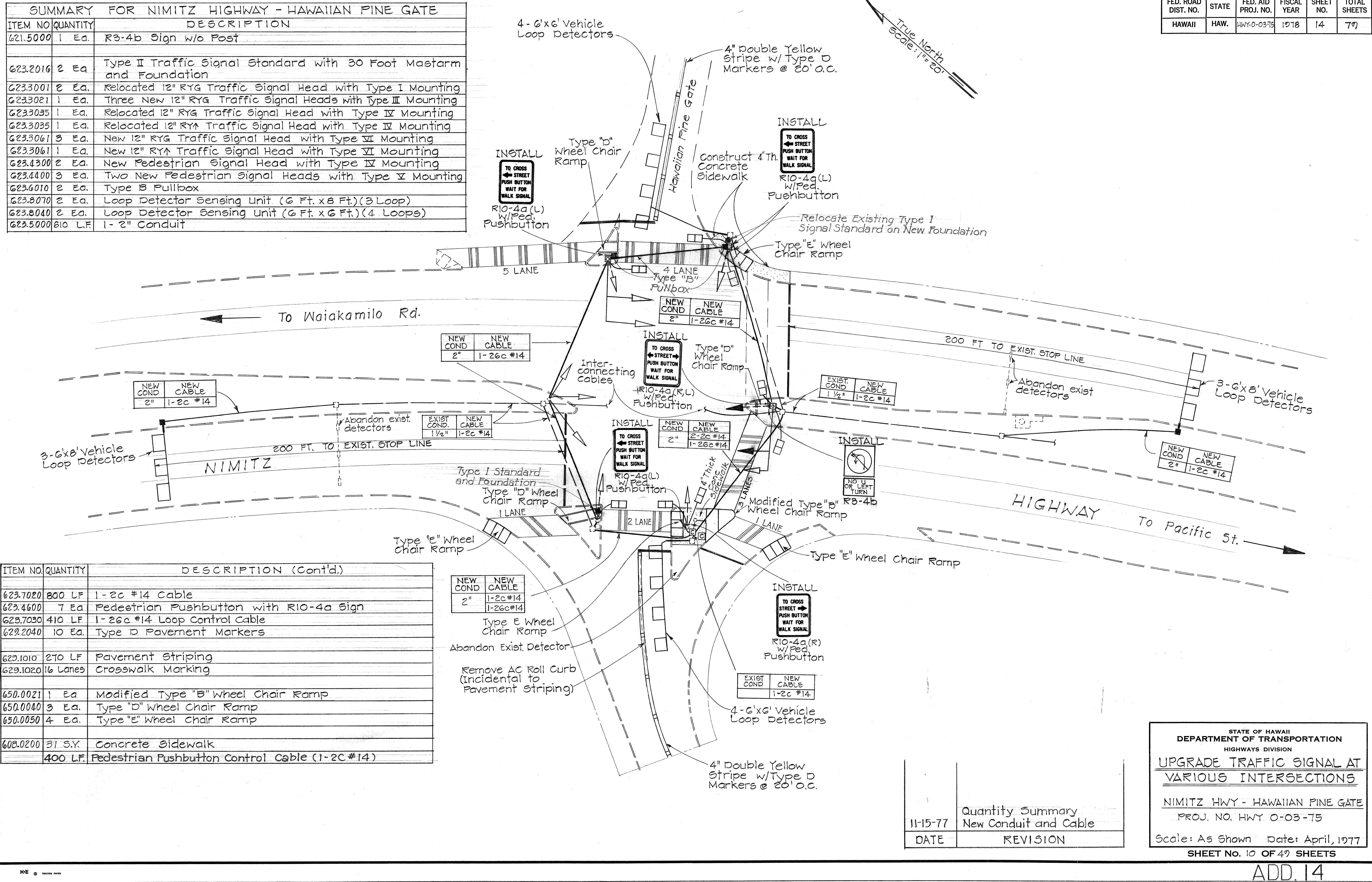


|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| DESIGNED BY       |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |
| ORIGINAL PLAN     |      |
| NOTE BOOK         |      |
| No.               |      |



| SUMMARY FOR NIMITZ HIGHWAY - HAWAIIAN PINE GATE |          |                                                                     |
|-------------------------------------------------|----------|---------------------------------------------------------------------|
| ITEM NO                                         | QUANTITY | DESCRIPTION                                                         |
| 621.5000                                        | 1 Ea.    | R3-4b Sign w/o Post                                                 |
| 623.2016                                        | 2 Ea.    | Type II Traffic Signal Standard with 30 Foot Mastarm and Foundation |
| 623.3001                                        | 2 Ea.    | Relocated 12" RYG Traffic Signal Head with Type I Mounting          |
| 623.3021                                        | 1 Ea.    | Three New 12" RYG Traffic Signal Heads with Type III Mounting       |
| 623.3035                                        | 1 Ea.    | Relocated 12" RYG Traffic Signal Head with Type IV Mounting         |
| 623.3035                                        | 1 Ea.    | Relocated 12" RYG Traffic Signal Head with Type IV Mounting         |
| 623.3061                                        | 3 Ea.    | New 12" RYG Traffic Signal Head with Type VI Mounting               |
| 623.3061                                        | 1 Ea.    | New 12" RYG Traffic Signal Head with Type VI Mounting               |
| 623.4300                                        | 2 Ea.    | New Pedestrian Signal Head with Type IV Mounting                    |
| 623.4400                                        | 3 Ea.    | Two New Pedestrian Signal Heads with Type V Mounting                |
| 623.6010                                        | 2 Ea.    | Type B Pullbox                                                      |
| 623.8070                                        | 2 Ea.    | Loop Detector Sensing Unit (6 Ft. x 8 Ft.)(3 Loop)                  |
| 623.8040                                        | 2 Ea.    | Loop Detector Sensing Unit (6 Ft. x 6 Ft.)(4 Loops)                 |
| 623.5000                                        | 610 L.F. | 1-2" Conduit                                                        |

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-0-0375         | 1978        | 14        | 77           |



| ITEM NO. | QUANTITY | DESCRIPTION (Cont'd.)                          |
|----------|----------|------------------------------------------------|
| 623.7020 | 800 LF   | 1-2c #14 Cable                                 |
| 623.4600 | 7 Ea.    | Pedestrian Pushbutton with R10-4a Sign         |
| 623.7030 | 410 LF   | 1-26c #14 Loop Control Cable                   |
| 629.2040 | 10 Ea.   | Type D Pavement Markers                        |
| 629.1010 | 270 LF   | Pavement Striping                              |
| 629.1020 | 16 Lanes | Crosswalk Marking                              |
| 650.0021 | 1 Ea.    | Modified Type "B" Wheel Chair Ramp             |
| 650.0040 | 3 Ea.    | Type "D" Wheel Chair Ramp                      |
| 650.0050 | 4 Ea.    | Type "E" Wheel Chair Ramp                      |
| 608.0200 | 31 S.Y.  | Concrete Sidewalk                              |
|          | 400 LF.  | Pedestrian Pushbutton Control Cable (1-2c #14) |

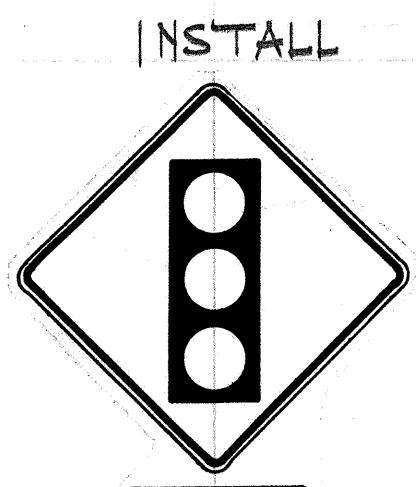
|          |                  |
|----------|------------------|
| 11-15-77 | Quantity Summary |
| DATE     | REVISION         |

|                                                                      |  |
|----------------------------------------------------------------------|--|
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION |  |
| UPGRADE TRAFFIC SIGNAL AT<br>VARIOUS INTERSECTIONS                   |  |
| NIMITZ HWY - HAWAIIAN PINE GATE                                      |  |
| PROJ. NO. HWY 0-03-75                                                |  |
| Scale: As Shown Date: April, 1977                                    |  |
| SHEET NO. 10 OF 49 SHEETS                                            |  |



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-0-0375         | 1978        | 15        | 79           |

TRUE NORTH  
SC 11 = 20'



SIGNAL AHEAD

W3-3

STA 58+71

59

WAIKIKI

11-15-77 NEW CONDUIT & CABLE

DATE REVISION

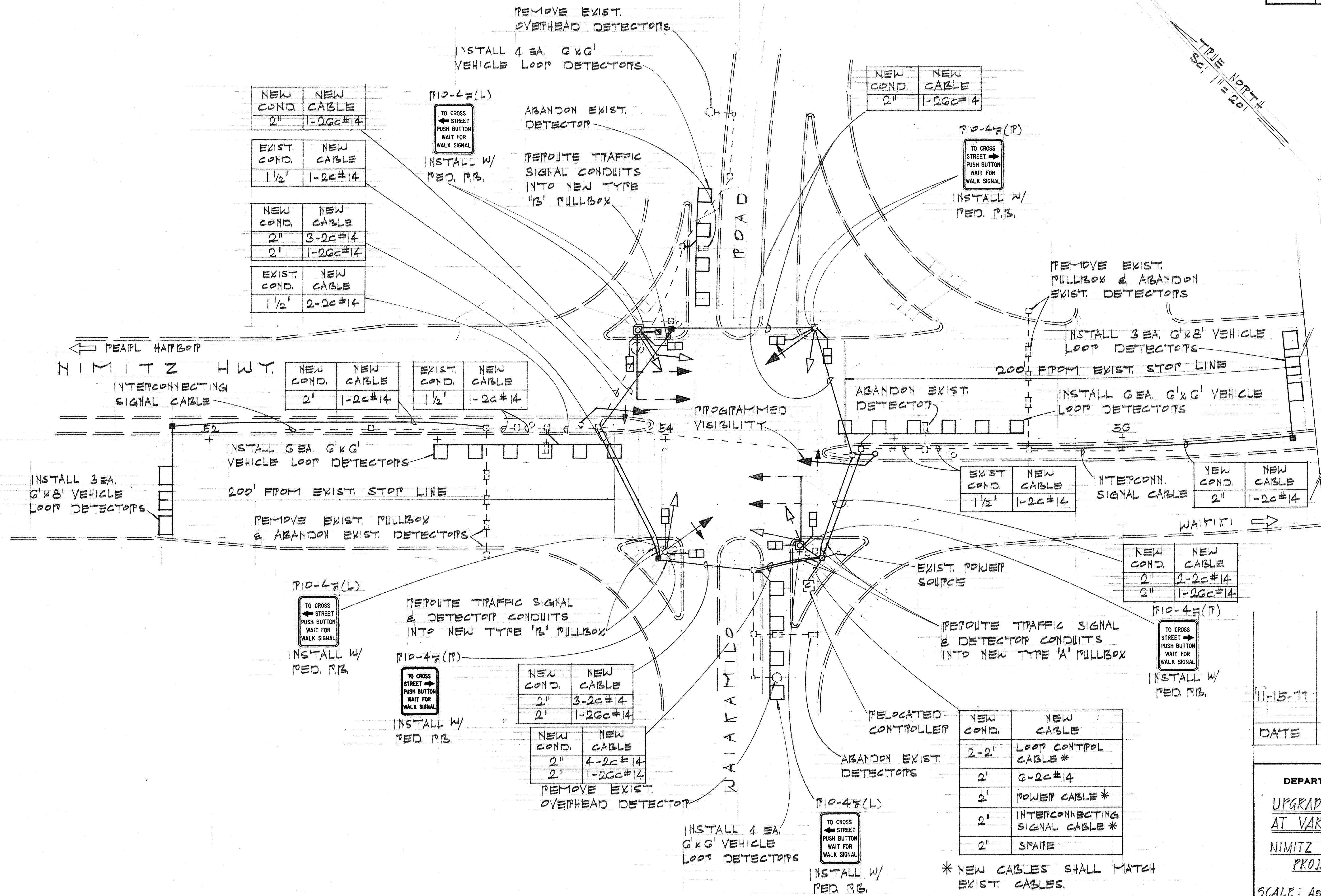
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

UPGRADE TRAFFIC SIGNALS  
AT VARIOUS INTERSECTIONS  
NIMITZ HWY-WAIKAMULO RD  
PROJ. NO. HWY-0-03-75

SCALE: As Shown DATE: April, 1977  
SHEET NO. 11 OF 49 SHEETS

ADD. 15

|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| DESIGNED BY       |      |
| NOTED BY          |      |
| CHECKED BY        |      |
| ORIGINAL PLAN     | No.  |



| NEW COND. | NEW CABLE                      |
|-----------|--------------------------------|
| 2-2"      | LOOP CONTROL CABLE *           |
| 2"        | G-2c#14                        |
| 2'        | POWER CABLE *                  |
| 2"        | INTERCONNECTING SIGNAL CABLE * |
| 2"        | SPARE                          |

\* NEW CABLES SHALL MATCH EXIST. CABLES.

| NEW COND. | NEW CABLE |
|-----------|-----------|
| 2"        | 3-2c#14   |
| 2"        | 1-2Gc#14  |

| NEW COND. | NEW CABLE |
|-----------|-----------|
| 2"        | 4-2c#14   |
| 2"        | 1-2Gc#14  |

| NEW COND. | NEW CABLE |
|-----------|-----------|
| 2"        | 1-2Gc#14  |

| EXIST. COND. | NEW CABLE |
|--------------|-----------|
| 1 1/2"       | 1-2c#14   |

| NEW COND. | NEW CABLE |
|-----------|-----------|
| 2"        | 3-2c#14   |
| 2"        | 1-2Gc#14  |

| EXIST. COND. | NEW CABLE |
|--------------|-----------|
| 1 1/2"       | 2-2c#14   |

| NEW COND. | NEW CABLE |
|-----------|-----------|
| 2"        | 1-2c#14   |

| EXIST. COND. | NEW CABLE |
|--------------|-----------|
| 1 1/2"       | 1-2c#14   |

| NEW COND. | NEW CABLE |
|-----------|-----------|
| 2"        | 1-2Gc#14  |

| EXIST. COND. | NEW CABLE |
|--------------|-----------|
| 1 1/2"       | 1-2c#14   |

| NEW COND. | NEW CABLE |
|-----------|-----------|
| 2"        | 2-2c#14   |
| 2"        | 1-2Gc#14  |

PEARL HARBOR

NIMITZ HWY.

INTERCONNECTING SIGNAL CABLE

INSTALL 3 EA. 6'x8' VEHICLE LOOP DETECTORS

INSTALL 6 EA. 6'x6' VEHICLE LOOP DETECTORS

200' FROM EXIST. STOP LINE

REMOVE EXIST. PULLBOX & ABANDON EXIST. DETECTORS

INSTALL 4 EA. 6'x6' VEHICLE LOOP DETECTORS

REMOVE EXIST. OVERHEAD DETECTORS

ABANDON EXIST. DETECTOR

REROUTE TRAFFIC SIGNAL CONDUITS INTO NEW TYPE "B" PULLBOX

REROUTE TRAFFIC SIGNAL & DETECTOR CONDUITS INTO NEW TYPE "B" PULLBOX

INSTALL W/ PED. P.B.

ABANDON EXIST. DETECTOR

PROGRAMMED VISIBILITY

REMOVE EXIST. PULLBOX & ABANDON EXIST. DETECTORS

INSTALL 3 EA. 6'x8' VEHICLE LOOP DETECTORS

200' FROM EXIST. STOP LINE

INSTALL 6 EA. 6'x6' VEHICLE LOOP DETECTORS

EXIST. POWER SOURCE

REROUTE TRAFFIC SIGNAL & DETECTOR CONDUITS INTO NEW TYPE "A" PULLBOX

RELOCATED CONTROLLER

ABANDON EXIST. DETECTORS

INSTALL 4 EA. 6'x6' VEHICLE LOOP DETECTORS

INSTALL W/ PED. P.B.

REMOVE EXIST. OVERHEAD DETECTOR

PI0-4H(L)

PI0-4H(P)

INSTALL W/ PED. P.B.

PI0-4H(L)

INSTALL W/ PED. P.B.

PI0-4H(P)

PI0-4H(P)

INSTALL W/ PED. P.B.









|                   |       |
|-------------------|-------|
| DATE              | _____ |
| SURVEY PLOTTED BY | _____ |
| DRAWN BY          | _____ |
| DESIGNED BY       | _____ |
| CHECKED BY        | _____ |
| ORIGINAL PLAN     | _____ |
| NOTE BOOK         | _____ |
| No.               | _____ |

QUANTITY SUMMARY  
NIMITZ HWY. - WAIAKAMILO RD.

| ITEM NO. | QUANTITY      | DESCRIPTION                                                                                        |
|----------|---------------|----------------------------------------------------------------------------------------------------|
| 621.5300 | 4 EA.         | P17-3 SIGN W/ POST                                                                                 |
| 621.5300 | 1 EA.         | W3-3 SIGN W/ POST                                                                                  |
| 621.5200 | 1 EA.         | W3-3 SIGN W/O POST                                                                                 |
| 622.7000 | 1 EA.         | TYPE "B" PULLBOX FOR HIGHWAY LIGHTING SYSTEM                                                       |
| 622.7010 | 1 EA.         | RESET EXIST. HWY. LIGHTING LUMINAIRE ON NEW TYPE III TRAFFIC SIGNAL STD.                           |
| 623.3003 | 2 EA.         | ONE NEW 12" PYC PROGRAMMED VISIBILITY TRAFFIC SIGNAL HEAD W/ TYPE IA MTE.                          |
| 623.2009 | 3 EA.         | RELOCATED 10'-0" TRAFFIC SIGNAL STANDARD W/ NEW FOUNDATION                                         |
| 623.3011 | 2 EA.         | ONE NEW 12" PYG TRAFFIC SIGNAL HEAD & ONE NEW 12" PYC TRAFFIC SIGNAL HEAD W/ TYPE II MOUNTINGS     |
| 623.3041 | 1 EA.         | TWO NEW 12" PYG TRAFFIC SIGNAL HEADS W/ TYPE V MOUNTINGS                                           |
| 623.3043 | 1 EA.         | ONE NEW 12" PYG TRAFFIC SIGNAL HEAD & ONE RELOCATED 12" PYG TRAFFIC SIGNAL HEAD ON TYPE V MOUNTING |
| 623.2016 | 1 EA.         | TYPE II TRAFFIC SIGNAL STANDARD W/ 30'-0" MAST ARM & FOUNDATION.                                   |
| 623.2023 | 1 EA.         | TYPE III TRAFFIC SIGNAL STANDARD W/ 30'-0" MAST ARM & FOUNDATION                                   |
| 623.3065 | 4 EA.         | ONE RELOCATED 12" PYC TRAFFIC SIGNAL HEAD W/ TYPE VI MOUNTING                                      |
| 623.6000 | 1 EA.         | TYPE "A" PULLBOX FOR TRAFFIC SIGNAL SYSTEM                                                         |
| 623.6010 | 4 EA.         | TYPE "B" PULLBOX FOR TRAFFIC SIGNAL SYSTEM                                                         |
| 623.8050 | 2 EA.         | LOOP DETECTOR SENSING UNIT (6'x6') 6 LOOPS                                                         |
| 623.8070 | 2 EA.         | LOOP DETECTOR SENSING UNIT (6'x8') 3 LOOPS                                                         |
| 623.4400 | 4 EA.         | TWO NEW PEDESTRIAN SIGNAL HEADS W/ TYPE V MOUNTINGS                                                |
| 623.4600 | 8 EA.         | PEDESTRIAN PUSH BUTTON W/ P10-47 SIGN                                                              |
| 623.5000 | 765 LIN. FT.  | 1-2" CONDUIT                                                                                       |
| 623.5090 | 15 LIN. FT.   | 6-2" CONDUIT                                                                                       |
| 623.7020 | 1150 LIN. FT. | 1-2C#14 CABLE                                                                                      |
| 623.8100 | 2 EA.         | REMOVE EXIST. OVERHEAD DETECTOR                                                                    |
| 623.2003 | 1 EA.         | RELOCATE EXIST. CONTROLLER ON NEW BASE                                                             |
| 623.8040 | 2 EA.         | LOOP DETECTOR SENSING UNIT (6'x6') 4 LOOPS                                                         |
| 629.1010 | 60 LIN. FT.   | PAVEMENT STRIPING                                                                                  |
| 629.1020 | 8 LANES       | CROSSWALK MARKING                                                                                  |
| 623.7030 | 370 LIN. FT.  | ONE 2G CONDUCTOR #14 LOOP CONTROL CABLE                                                            |
| 650.0030 | 3 EA.         | TYPE "C" WHEELCHAIR RAMP                                                                           |
| 650.0040 | 2 EA.         | TYPE "D" WHEELCHAIR RAMP                                                                           |
| 650.0050 | 10 EA.        | TYPE "E" WHEELCHAIR RAMP                                                                           |
| 608.0200 | 21 SQ. YD.    | CONCRETE SIDEWALK                                                                                  |
|          | 525 LF        | PEDESTRIAN PUSHBUTTON CONTROL CABLE (1-2C #14)                                                     |

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-0-03-75        | 1978        | 17        | 79           |

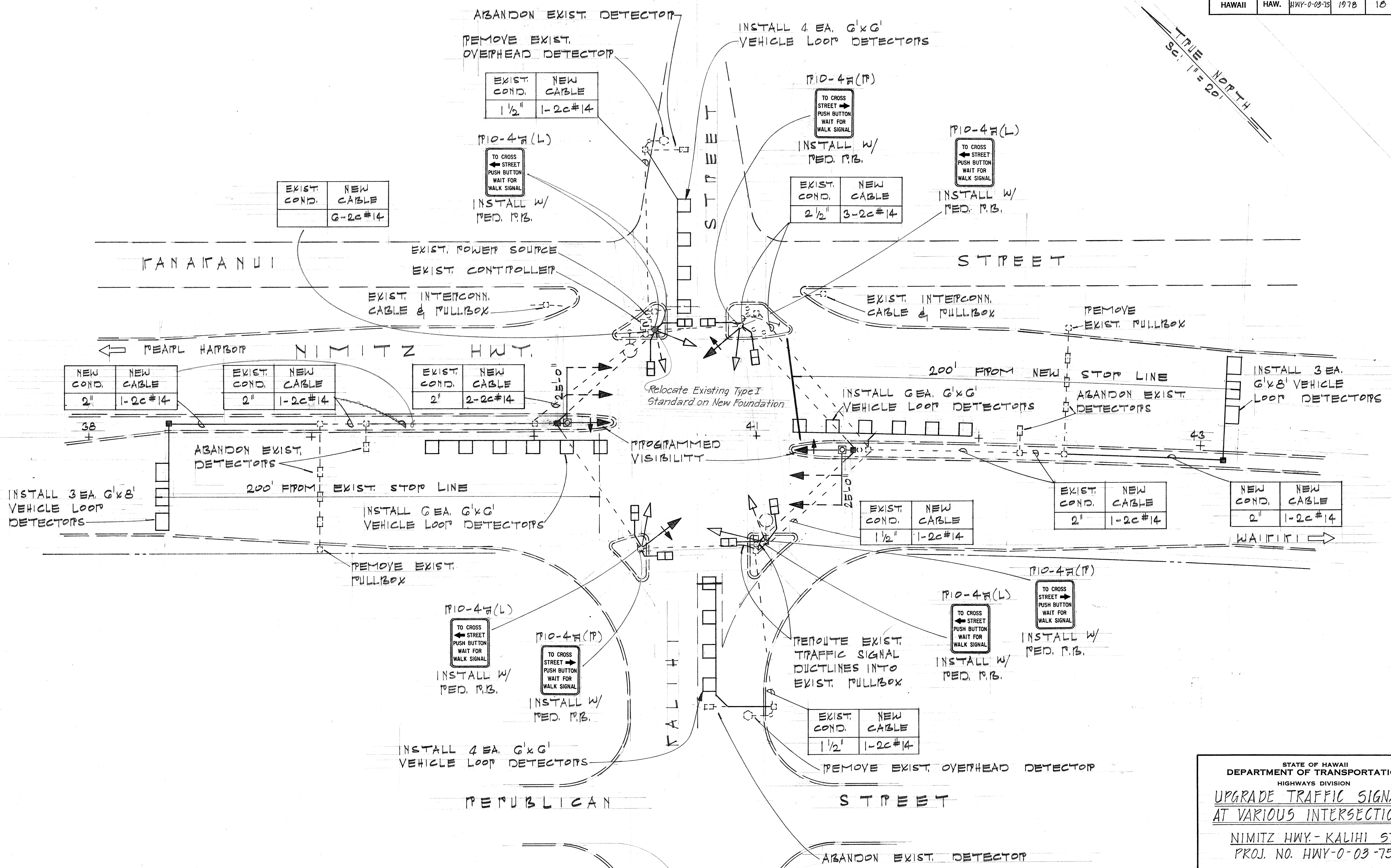
11-15-77 QUANTITY SUMMARY  
DATE REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
UPGRADE TRAFFIC SIGNALS  
AT VARIOUS INTERSECTIONS  
NIMITZ HWY.-WAIAKAMILO RD.  
PROJ. NO. HWY-0-03-75  
SCALE: As Shown DATE: April, 1977  
SHEET NO. 13 OF 49 SHEETS



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-0-03-75        | 1978        | 18        | 79           |

|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| DESIGNED BY       |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |
| ORIGINAL PLAN     |      |
| NOTE BOOK         |      |
| No.               |      |



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**UPGRADE TRAFFIC SIGNALS  
AT VARIOUS INTERSECTIONS**

NIMITZ HWY. - KALIHI ST.  
PROJ. NO. HWY-0-03-75

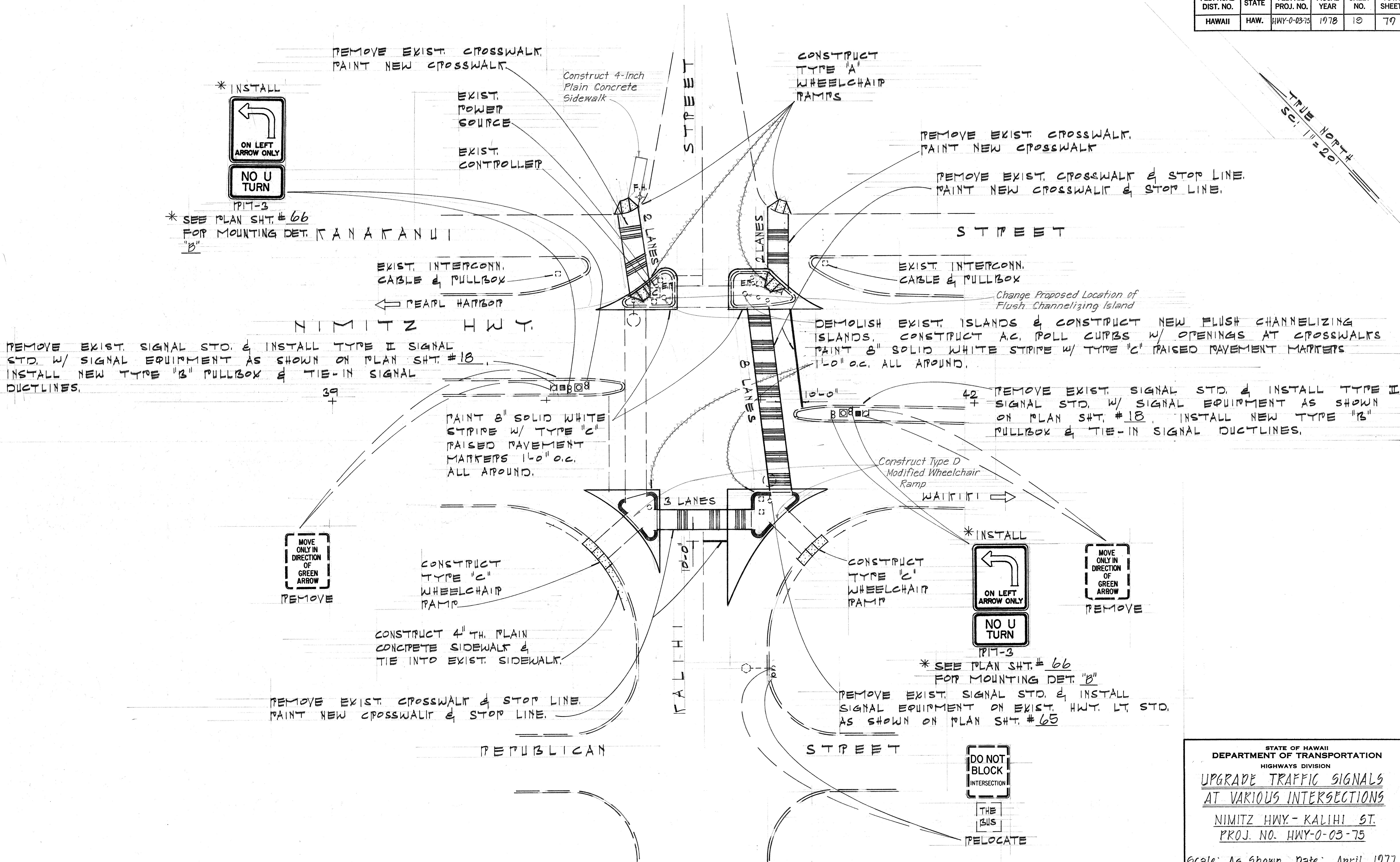
Scale: As Shown Date: April, 1977

SHEET No. 14 OF 49 SHEETS



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-0-03-75        | 1978        | 19        | 79           |

|                   |       |
|-------------------|-------|
| DATE              | _____ |
| SURVEY PLOTTED BY | _____ |
| DESIGNED BY       | _____ |
| NOTED BY          | _____ |
| CHECKED BY        | _____ |
| ORIGINAL PLAN     | _____ |
| NOTE BOOK         | _____ |
| QUANTITIES BY     | _____ |
| CHECKED BY        | _____ |



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
UPGRADE TRAFFIC SIGNALS  
AT VARIOUS INTERSECTIONS  
NIMITZ HWY. - KALIHI ST.  
PROJ. NO. HWY-0-03-75  
Scale: As Shown Date: April, 1977  
SHEET No. 19 OF 49 SHEETS



|                        |       |                       |                |              |                 |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
| HAWAII                 | HAW.  | HWY-0-03-75           | 1978           | 20           | 79              |

QUANTITY SUMMARY  
NIMITZ HWY. - KALIHI ST.

| ITEM NO  | QUANTITY      | DESCRIPTION                                                                                            |
|----------|---------------|--------------------------------------------------------------------------------------------------------|
| 621.5300 | 4 EA.         | P17-3 SIGN W/ POST                                                                                     |
| 621.5700 | 2 EA.         | RELOCATED SIGN                                                                                         |
| 623.3033 | 2 EA.         | ONE NEW 12" PY+ PROGRAMMED VISIBILITY TRAFFIC SIGNAL HEAD W/<br>TYPE V MOUNTING                        |
| 623.2014 | 2 EA.         | TYPE II TRAFFIC SIGNAL STANDARD W/ 25'-0" MAST ARM & FOUNDATION                                        |
| 623.3015 | 1 EA.         | ONE RELOCATED 12" PYG TRAFFIC SIGNAL HEAD & ONE NEW 12" PYG<br>TRAFFIC SIGNAL HEAD ON TYPE II MOUNTING |
| 623.3011 | 2 EA.         | ONE NEW 12" PYG TRAFFIC SIGNAL HEAD & ONE NEW 12" PY+<br>TRAFFIC SIGNAL HEAD ON TYPE II MOUNTING       |
| 623.3043 | 1 EA.         | ONE RELOCATED 12" PYG TRAFFIC SIGNAL HEAD & ONE NEW 12" PYG<br>TRAFFIC SIGNAL HEAD W/ TYPE V MOUNTING  |
| 623.3065 | 4 EA.         | ONE RELOCATED 12" PY+ TRAFFIC SIGNAL HEAD W/ TYPE VI MOUNTING                                          |
| 623.4400 | 4 EA.         | TWO NEW PEDESTRIAN SIGNAL HEADS W/ TYPE V MOUNTING                                                     |
| 623.4600 | 8 EA.         | PEDESTRIAN PUSH BUTTON W/ P10-4A SIGN                                                                  |
| 623.6010 | 4 EA.         | TYPE "B" PULLBOX FOR TRAFFIC SIGNAL SYSTEM                                                             |
| 623.8050 | 2 EA.         | LOOP DETECTOR SENSING UNIT (6'x6') 6 LOOPS                                                             |
| 623.8070 | 2 EA.         | LOOP DETECTOR SENSING UNIT (6'x8') 3 LOOPS                                                             |
| 623.5000 | 160 LIN. FT.  | 1-2" CONDUIT                                                                                           |
| 623.7020 | 1100 LIN. FT. | 1-2C #14 CABLE                                                                                         |
| 623.8040 | 2 EA.         | LOOP DETECTOR SENSING UNIT (6'x6') 4 LOOPS                                                             |
| 629.2030 | 330 EA.       | TYPE "C" RAISED PAVEMENT MARKERS                                                                       |
| 629.1010 | 400 LIN. FT.  | PAVEMENT STRIPING                                                                                      |
| 629.1020 | 15 LANES      | CROSSWALK MARKING                                                                                      |
| 650.0010 | 4 EA.         | TYPE "A" WHEELCHAIR RAMP                                                                               |
| 650.0030 | 2 EA.         | TYPE "C" WHEELCHAIR RAMP                                                                               |
| 655.0010 | 2 EA.         | FLUSH CHANNELIZING ISLANDS                                                                             |
| 608.0200 | 9 sq. yd.     | CONCRETE SIDEWALK                                                                                      |
|          | 470 LF.       | PEDESTRIAN PUSHBUTTON CONTROL CABLE (1-2C #14)                                                         |

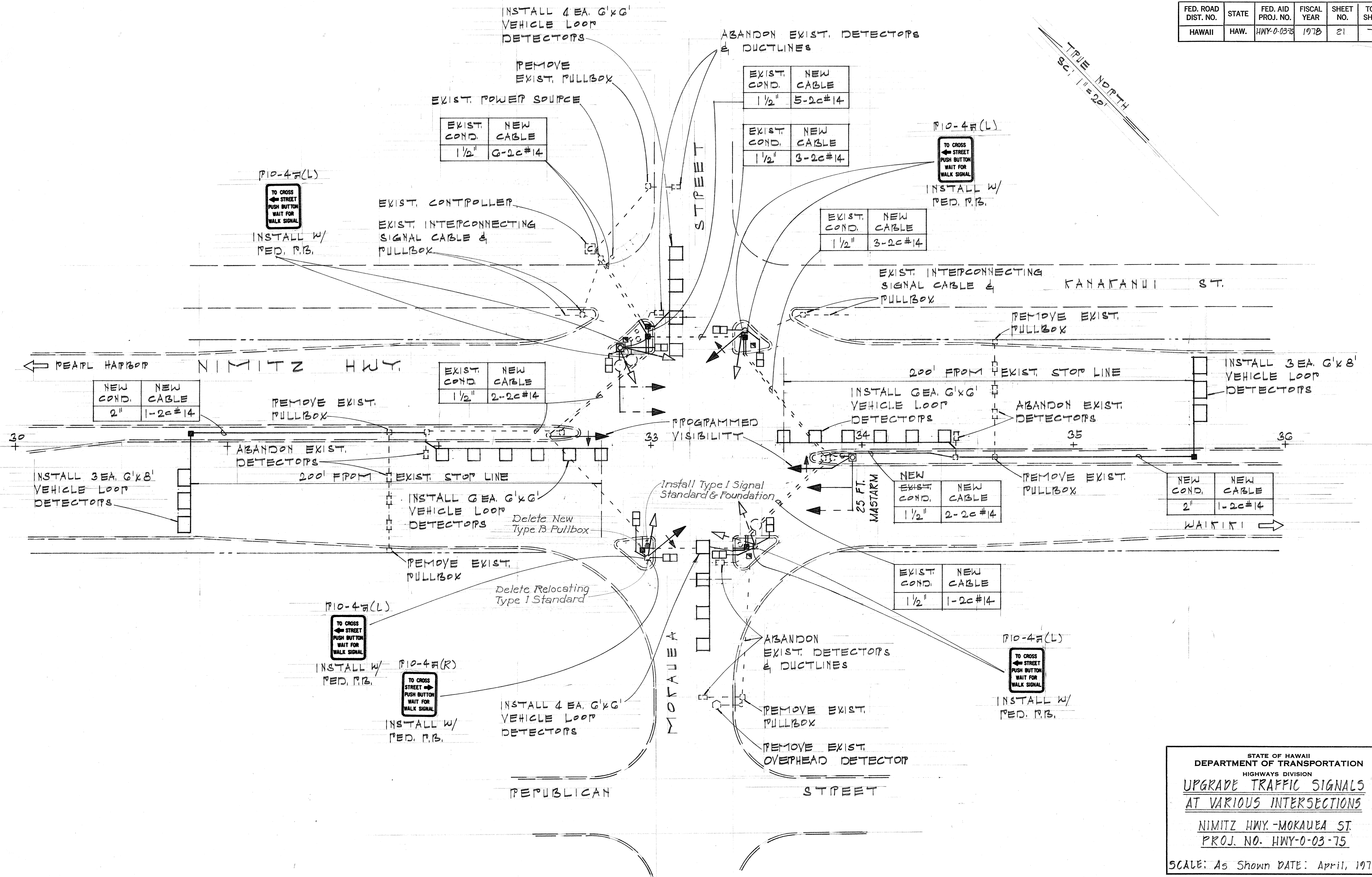
|                   |       |
|-------------------|-------|
| DATE              | _____ |
| SURVEY PLOTTED BY | _____ |
| DRAWN BY          | _____ |
| DESIGNED BY       | _____ |
| CHECKED BY        | _____ |
| ORIGINAL PLAN     | _____ |
| NOTE BOOK         | _____ |
| No.               | _____ |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
UPGRADE TRAFFIC SIGNALS  
AT VARIOUS INTERSECTIONS  
NIMITZ HWY.-KALIHI ST.  
PROJ. NO. HWY-0-03-75  
Scale: As Shown Date: April, 1977  
SHEET NO. 16 OF 49 SHEETS



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-0-0375         | 1975        | 21        | 79           |

|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| DESIGNED BY       |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |
| ORIGINAL PLAN     |      |
| NOTE BOOK         |      |
| No.               |      |



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**UPGRADE TRAFFIC SIGNALS  
AT VARIOUS INTERSECTIONS**  
NIMITZ HWY.-MOKAUEA ST.  
PROJ. NO. HWY-0-03-75  
SCALE: As Shown DATE: April, 1977  
SHEET NO. 17 OF 40 SHEETS



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-0-0375         | 1978        | 22        | 79           |

INSTALL NEW TYPE "B" PULLBOXES (W/ "TRAFFIC SIGNAL" I.D.),  
PERROUTE INTERCONN. CABLE, TRAFFIC SIGNAL & DETECTOR  
DUCTLINES THROUGH NEW PULLBOXES AS REQ'D.

INSTALL NEW TYPE "B" PULLBOX (W/ "STREET LIGHTS" I.D.),  
PERROUTE HWY. LT. DUCTLINES THROUGH NEW PULLBOX.

REMOVE EXIST. TRAFFIC SIGNAL & HWY. LT. STD'S.  
INSTALL NEW TYPE III SIGNAL STD. (6'-0" FROM CURB) W/ SIGNAL  
EQUIPMENT AS SHOWN ON PLAN SHT. #64. RESET EXIST.  
LUMINAIRE (LAMP ONLY) W/ NEW 12'-0" BRACKET ARM  
(SERIES CIRCUIT).

CONSTRUCT TYPE "A"  
WHEELCHAIR RAMP

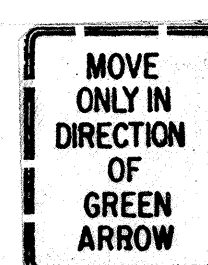
EXIST. POWER SOURCE

EXIST. CONTROLLER

KANAKA NUI

EXIST. INTERCONN.  
CABLE & PULLBOX

PEARL HARBOR



REMOVE

NIMITZ HWY.

32

33

Delete Flush  
Channelizing Island

Construct Type D  
Modified Wheel  
Chair Ramp

\*INSTALL



MIT-3

\*SEE PLAN SHT. #66  
FOR MOUNTING DET. "B"

INSTALL TYPE "B" PULLBOX,  
PERROUTE TRAFFIC SIGNAL  
DUCTLINES THROUGH NEW  
PULLBOX.

RESET EXIST. TRAFFIC  
SIGNAL STD. & INSTALL  
SIGNAL EQUIPMENT AS  
SHOWN ON PLAN SHT. #21

RESET EXIST. TRAFFIC SIGNAL STD.  
& INSTALL SIGNAL EQUIPMENT AS SHOWN ON PLAN SHT. #21

INSTALL NEW TYPE "B" PULLBOX (W/ "TRAFFIC SIGNAL" I.D.),  
PERROUTE INTERCONN. CABLE, TRAFFIC SIGNAL & DETECTOR  
DUCTLINES THROUGH NEW PULLBOX AS REQ'D.

INSTALL NEW TYPE "B" PULLBOX (W/ "STREET LIGHTS" I.D.),  
PERROUTE HWY. LT. DUCTLINES THROUGH NEW PULLBOX.

CONSTRUCT 4-INCH PLAIN  
CONCRETE SIDEWALK

CONSTRUCT TYPE "A"  
WHEELCHAIR RAMP

STREET

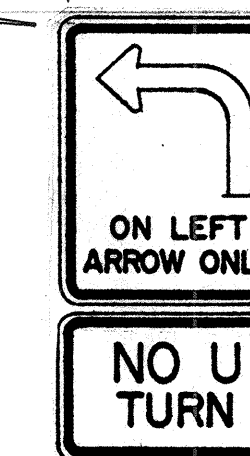
EXIST. INTERCONN.  
CABLE & PULLBOX

DEMOLISH EXIST. ISLANDS & CONSTRUCT NEW FLUSH CHANNELIZING  
ISLANDS. CONSTRUCT AC. ROLL CURBS W/ OPENINGS AT CROSSWALKS.  
PAINT "B" SOLID WHITE STRIPE W/ TYPE "C" PAISED PAVEMENT  
MARKERS 1'-0" OC. ALL AROUND.

34

REMOVE EXIST. SIGNAL STD. & INSTALL TYPE II  
SIGNAL STD. W/ SIGNAL EQUIPMENT AS SHOWN ON  
PLAN SHT. #21. TIE-IN EXIST. DUCTLINE TO NEW  
STANDARD.

\*INSTALL



MIT-3

\*SEE PLAN SHT. #66  
FOR MOUNTING DET. "B"

REMOVE EXIST. SIGNAL  
STD. & INSTALL SIGNAL  
EQUIPMENT ON EXIST.  
HWY. LT. STD. AS  
SHOWN ON PLAN SHT. #21

INSTALL NEW TYPE "B" PULLBOX (W/ "STREET  
LIGHTS" I.D.). PERROUTE HWY. LT. DUCTLINES  
THROUGH NEW PULLBOX.

INSTALL NEW TYPE "B" PULLBOX (W/ "TRAFFIC  
SIGNAL" I.D.). PERROUTE TRAFFIC SIGNAL &  
DETECTOR DUCTLINES THROUGH NEW PULLBOX.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

UPGRADE TRAFFIC SIGNALS  
AT VARIOUS INTERSECTIONS

NIMITZ HWY.-MOKAUEA ST.  
PROJ. NO. HWY-0-03-75

SCALE: As Shown DATE: April, 1977  
SHEET No. 18 OF 49 SHEETS

|                   |  |
|-------------------|--|
| DATE              |  |
| SURVEY PLOTTED BY |  |
| DESIGNED BY       |  |
| TRACED BY         |  |
| NOTE BOOK         |  |
| QUANTITIES BY     |  |
| CHECKED BY        |  |
| No.               |  |



|                        |       |                       |                |              |                 |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
| HAWAII                 | HAW.  | HWY-0-03-75           | 1978           | 23           | 79              |

QUANTITY SUMMARY  
NIMITZ HWY. - MOKAUEA ST.

| ITEM No  | QUANT.       | DESCRIPTION                                                                                    |
|----------|--------------|------------------------------------------------------------------------------------------------|
| 621.5300 | 4 EA.        | P17-3 SIGN W/ POST                                                                             |
| 622.7000 | 3 EA         | TYPE "B" PULLBOX FOR HIGHWAY LIGHTING SYSTEM                                                   |
| 622.7010 | 1 EA         | RESET EXIST. HIGHWAY LIGHTING LUMINAIRE ON NEW TYPE III TRAFFIC SIGNAL STANDARD & BRACKET ARM. |
| 623.4400 | 4 EA.        | TWO NEW PEDESTRIAN SIGNAL HEADS W/ TYPE V MOUNTING                                             |
| 623.3003 | 1 EA.        | NEW 12" RT+ PROGRAMMED VISIBILITY TRAFFIC SIGNAL HEAD W/ TYPE IA MOUNTING                      |
| 623.3033 | 1 EA.        | NEW 12" RT+ PROGRAMMED VISIBILITY TRAFFIC SIGNAL HEAD W/ TYPE IV MOUNTING                      |
| 623.3011 | 2 EA.        | ONE NEW 12" RTG & ONE NEW 12" RT+ TRAFFIC SIGNAL HEAD W/ TYPE II MOUNTING                      |
| 623.3045 | 1 EA.        | TWO RELOCATED 12" RTG TRAFFIC SIGNAL HEADS W/ TYPE V MOUNTING                                  |
| 623.3041 | 1 EA.        | TWO NEW 12" RTG TRAFFIC SIGNAL HEADS W/ TYPE V MOUNTING                                        |
| 623.3065 | 3 EA.        | RELOCATED 12" RT+ TRAFFIC SIGNAL HEAD W/ TYPE VI MOUNTING                                      |
| 623.3061 | 1 EA.        | NEW 12" RT+ TRAFFIC SIGNAL HEAD W/ TYPE VI MOUNTING                                            |
| 623.2014 | 1 EA         | TYPE II TRAFFIC SIGNAL STANDARD W/ 25'-0" MAST ARM & FOUNDATION                                |
| 623.2023 | 1 EA.        | TYPE III TRAFFIC SIGNAL STANDARD W/ 30'-0" MAST ARM & FOUNDATION                               |
| 623.2009 | 2 EA.        | RESET TYPE I TRAFFIC SIGNAL STANDARD ON NEW FOUNDATION                                         |
| 623.6010 | 7 EA.        | TYPE "B" PULLBOX FOR TRAFFIC SIGNAL SYSTEM                                                     |
| 623.4600 | 8 EA.        | PEDESTRIAN PUSH BUTTON W/ P10-4H SIGN                                                          |
| 623.8050 | 2 EA.        | LOOP DETECTOR SENSING UNIT (6'x6'), 6 LOOPS                                                    |
| 623.8070 | 2 EA.        | LOOP DETECTOR SENSING UNIT (6'x8'), 3 LOOPS                                                    |
| 623.7020 | 1300 LIN.FT. | 1-2C #14 CABLE                                                                                 |
| 623.5000 | 250 LIN.FT.  | 1-2" CONDUIT                                                                                   |
| 623.8100 | 1 EA.        | REMOVE EXISTING OVERHEAD DETECTOR                                                              |
| 623.8040 | 2 EA.        | LOOP DETECTOR SENSING UNIT (6'x6'), 4 LOOPS                                                    |
| 629.2030 | 350 EA.      | TYPE "C" PAISED PAVEMENT MARKERS                                                               |
| 629.1010 | 350 LIN.FT.  | PAVEMENT STRIPING                                                                              |
| 650.0010 | 2 EA.        | TYPE "A" WHEELCHAIR RAMP                                                                       |
| 650.0030 | 1 EA.        | TYPE "C" WHEELCHAIR RAMP                                                                       |
| 650.0040 | 1 EA.        | TYPE "E" WHEELCHAIR RAMP                                                                       |
| 655.0010 | 4 EA.        | CONSTRUCT NEW FLUSH CHANNELIZING ISLAND                                                        |
|          | 600 L.F.     | PEDESTRIAN PUSHBUTTON CONTROL CABLE (1-2C #14)                                                 |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
UPGRADE TRAFFIC SIGNALS  
AT VARIOUS INTERSECTIONS  
NIMITZ HWY.-MOKAUEA ST.  
PROJ. NO. HWY-0-03-75  
SCALE: As Shown DATE: April, 1977  
SHEET NO. 19 OF 49 SHEETS

DATE: \_\_\_\_\_

SURVEY PLOTTED BY: \_\_\_\_\_

DRAWN BY: \_\_\_\_\_

DESIGNED BY: \_\_\_\_\_

NOTED BY: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_

ORIGINAL PLAN

NOTE BOOK

No. \_\_\_\_\_



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-0-0375         | 1978        | 24        | 79           |

| EXIST. COND. | EXIST. CABLE | NEW CABLE |
|--------------|--------------|-----------|
| 3"           | 1-3Gc#18     |           |
| 1 1/4"       | 1-2c#8       |           |
| 2"           | 1-19c#14     |           |
| 2"           | 1-19c#14     |           |
| 2"           |              | G-2c#14   |

| EXIST. COND. | EXIST. CABLE | NEW CABLE |
|--------------|--------------|-----------|
| 2"           | 1-19c#14     |           |
| 2"           |              | 2-2c#14   |

| EXIST. COND. | EXIST. CABLE | NEW CABLE |
|--------------|--------------|-----------|
| 1 1/4"       | 1-2c#8       |           |
| 2"           | 1-19c#14     |           |
| 2"           |              | 3-2c#14   |

| EXIST. COND. | EXIST. CABLE | NEW CABLE |
|--------------|--------------|-----------|
| 2"           | 1-19c#14     |           |
| 2"           |              | 3-2c#14   |

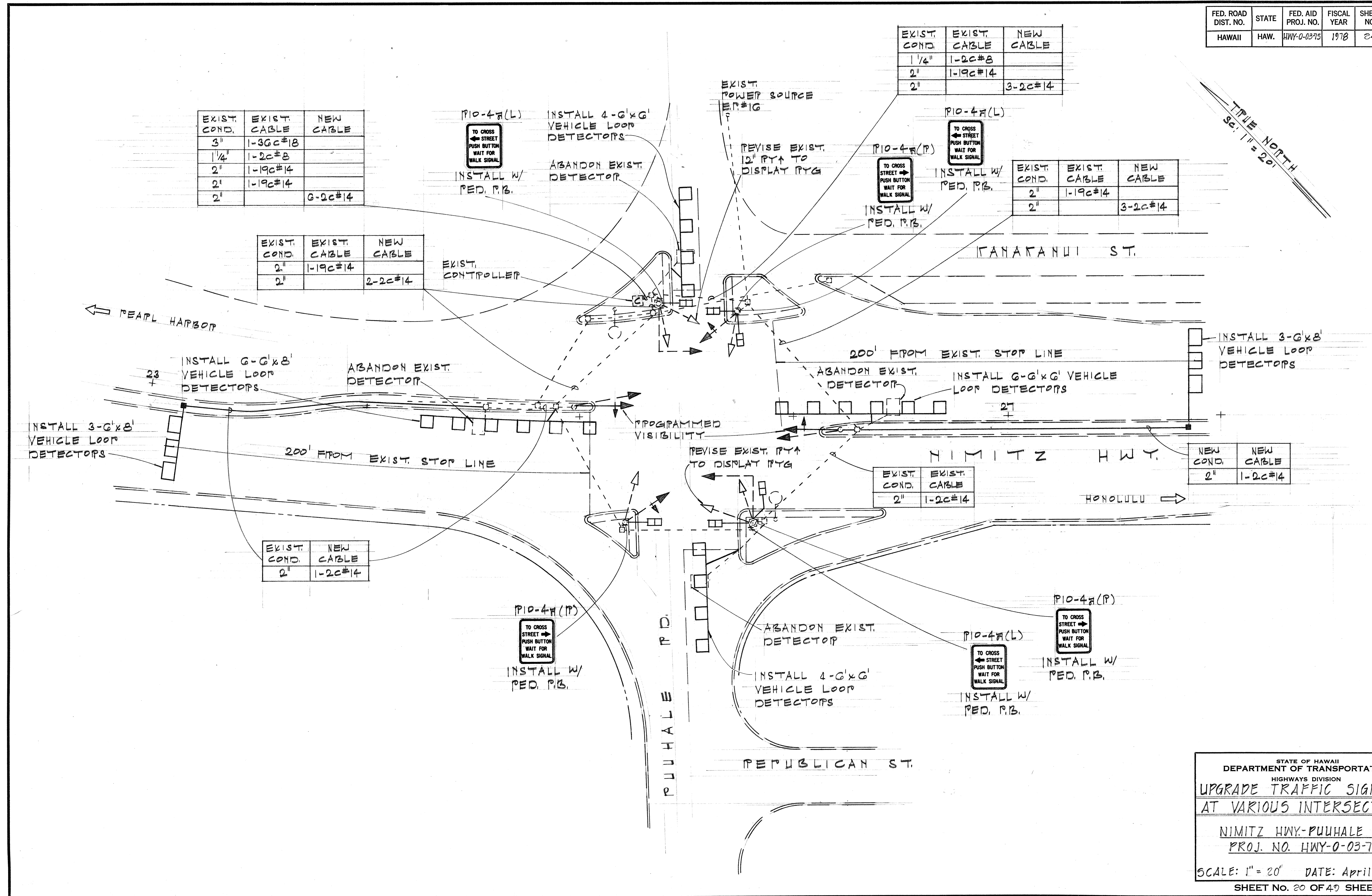
| EXIST. COND. | EXIST. CABLE |
|--------------|--------------|
| 2"           | 1-2c#14      |

| NEW COND. | NEW CABLE |
|-----------|-----------|
| 2"        | 1-2c#14   |

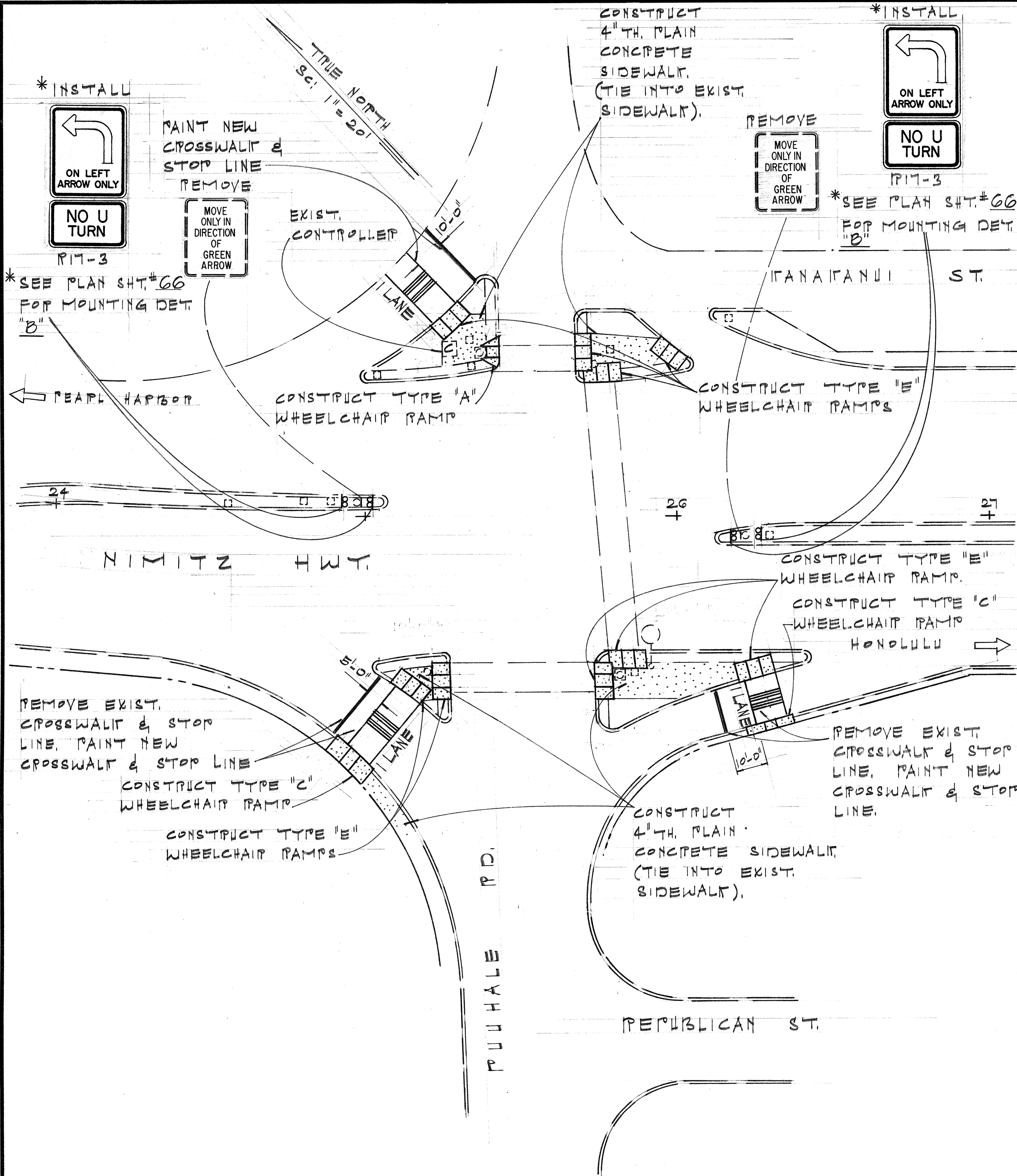
| EXIST. COND. | NEW CABLE |
|--------------|-----------|
| 2"           | 1-2c#14   |

|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| DESIGNED BY       |      |
| NOTE BOOK         |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |
| No.               |      |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**UPGRADE TRAFFIC SIGNALS  
AT VARIOUS INTERSECTIONS**  
  
NIMITZ HWY.-PUUHALE RD.  
PROJ. NO. HWY-0-03-75  
SCALE: 1" = 20' DATE: April, 1977  
SHEET No. 20 OF 40 SHEETS







| QUANTITY SUMMARY<br>NIMITZ HWY - PUUHALE RD. |            |                                                                                                                            |
|----------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------|
| ITEM NO.                                     | QUANTITY   | DESCRIPTION                                                                                                                |
| 621.5300                                     | 4 EA.      | PI7-3 SIGN W/ POST                                                                                                         |
| 623.4300                                     | 2 EA.      | NEW PEDESTRIAN SIGNAL HEAD W/ TYPE IV MOUNTING                                                                             |
| 623.3014                                     | 2 EA.      | ONE RELOCATED 12" PY1 TRAFFIC SIGNAL HEAD & ONE NEW 12" PY1 PROGRAMMED VISIBILITY TRAFFIC SIGNAL HEAD W/ TYPE II MOUNTING. |
| 623.3070                                     | 2 EA.      | REVISE EXISTING 12" PY1 TRAFFIC SIGNAL HEAD TO DISPLAY PY6 INDICATION                                                      |
| 623.4600                                     | 6 EA.      | PEDESTRIAN PUSH BUTTON W/ PI0-47 SIGN.                                                                                     |
| 623.8070                                     | 2 EA.      | LOOP DETECTOR SENSING UNIT (6'x8'), 3 LOOPS                                                                                |
| 623.8050                                     | 2 EA.      | LOOP DETECTOR SENSING UNIT (6'x6'), 6 LOOPS                                                                                |
| 623.7020                                     | 1000 LIFT. | 1-2c#14 LOOP DETECTOR CABLE                                                                                                |
| 623.1020                                     | 3 LANES    | CROSSWALK MARKING                                                                                                          |
| 623.1010                                     | 70 LIFT.   | PAVEMENT STRIPING                                                                                                          |
| 650.0010                                     | 1 EA.      | TYPE "A" WHEELCHAIR RAMP                                                                                                   |
| 650.0030                                     | 2 EA.      | TYPE "C" WHEELCHAIR RAMP                                                                                                   |
| 650.0050                                     | 9 EA.      | TYPE "E" WHEELCHAIR RAMP                                                                                                   |
| 608.0200                                     | 108 SQ.YD. | CONCRETE SIDEWALK                                                                                                          |
| 623.4400                                     | 2 EA.      | TWO NEW PEDESTRIAN SIGNAL HEADS W/ TYPE V MOUNTINGS                                                                        |
| 623.6010                                     | 2 EA.      | TYPE "B" PULLBOX                                                                                                           |
| 623.5000                                     | 310 LIFT.  | 2" CONDUIT                                                                                                                 |
| 623.8040                                     | 2 EA.      | LOOP DETECTOR SENSING UNIT (6'x6'), 4 LOOPS                                                                                |
|                                              | 330 L.F.   | PEDESTRIAN PUSHBUTTON CONTROL CABLE (1-2C #14)                                                                             |

|               |      |
|---------------|------|
| ORIGINAL PLAN | DATE |
| DRAWN BY      |      |
| DESIGNED BY   |      |
| QUANTITIES BY |      |
| CHECKED BY    |      |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

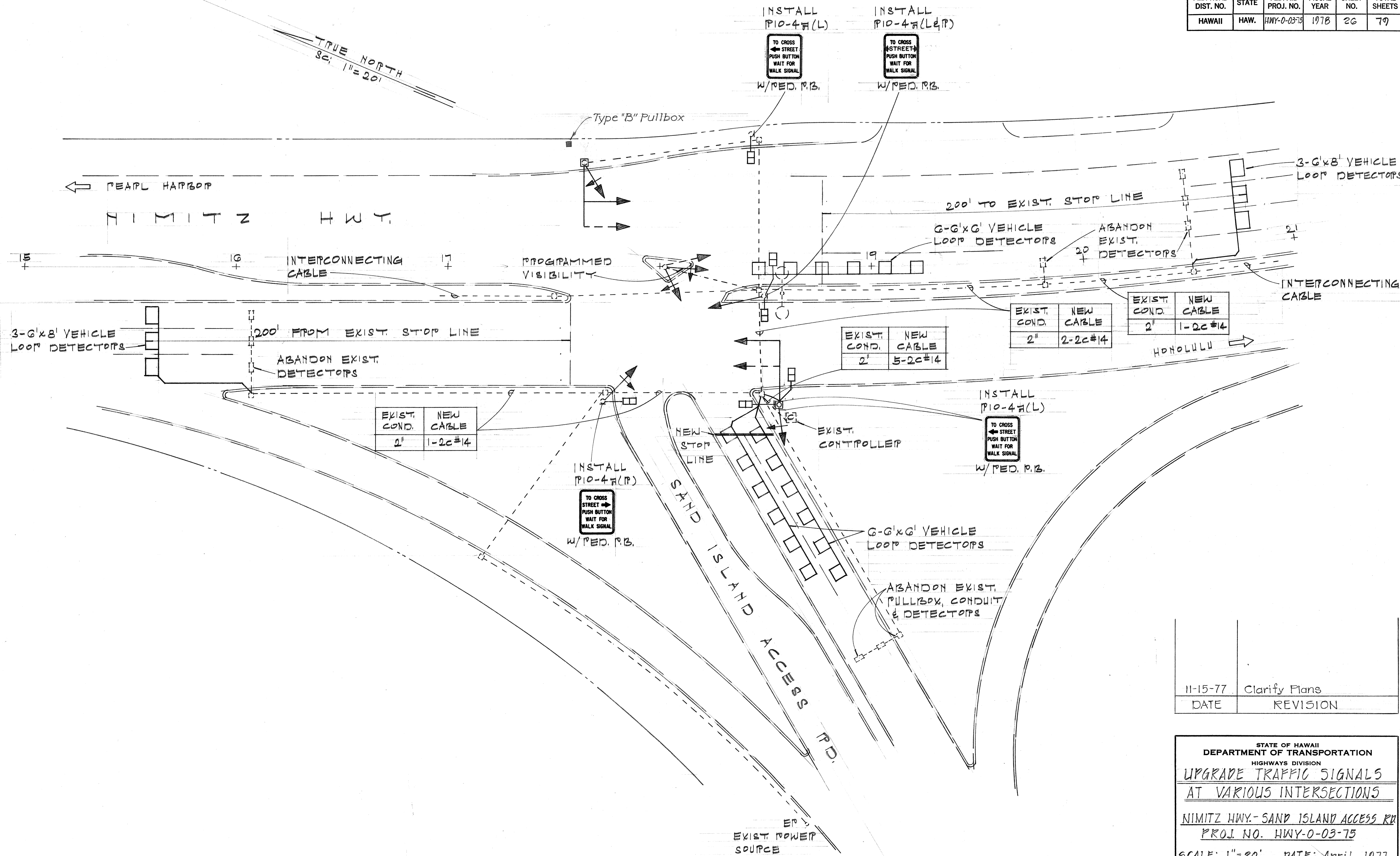
UPGRADE TRAFFIC SIGNALS  
AT VARIOUS INTERSECTIONS

NIMITZ HWY - PUUHALE RD.  
PROJ. NO. HWY-0-03-75

SCALE: 1"=20'    DATE: April, 1977  
SHEET NO. 21 OF 49 SHEETS



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-0-03-75        | 1978        | 26        | 79           |



11-15-77  
DATE

Clarify Plans  
REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

UPGRADE TRAFFIC SIGNALS  
AT VARIOUS INTERSECTIONS

NIMITZ HWY.- SAND ISLAND ACCESS RD  
PROJ. NO. HWY-0-03-75

SCALE: 1"=20' DATE: April, 1977  
SHEET NO. 22 OF 49 SHEETS



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-0-0375         | 1978        | 27        | 79           |

| QUANTITY SUMMARY                     |          |                                                                                                                                                                  |
|--------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NIMITZ HWY. - SAND ISLAND ACCESS RD. |          |                                                                                                                                                                  |
| ITEM NO.                             | QUANT.   | DESCRIPTION                                                                                                                                                      |
| 621.5000                             | 2 EA.    | P3-3 SIGN W/O POST                                                                                                                                               |
| 621.5200                             | 1 EA.    | P17-3 SIGN W/O POST                                                                                                                                              |
| 621.5300                             | 1 EA.    | P17-3 SIGN W/ POST                                                                                                                                               |
| 623.4300                             | 1 EA.    | NEW PEDESTRIAN SIGNAL HEAD W/ TYPE IV MOUNTING                                                                                                                   |
| 623.3027                             | 1 EA.    | ONE RELOCATED 12" PY+ TRAFFIC SIGNAL HEAD, ONE NEW 12" PY+ TRAFFIC SIGNAL HEAD & ONE NEW 12" PY+ PROGRAMMED VISIBILITY TRAFFIC SIGNAL HEAD W/ TYPE III MOUNTING. |
| 623.3001                             | 1 EA.    | NEW 12" PY+ TRAFFIC SIGNAL HEAD W/ TYPE I MOUNTING                                                                                                               |
| 623.3031                             | 2 EA.    | NEW 12" PY+ TRAFFIC SIGNAL HEAD W/ TYPE IV MOUNTING                                                                                                              |
| 623.4100                             | 1 EA.    | NEW PEDESTRIAN SIGNAL HEAD W/ TYPE I MOUNTING                                                                                                                    |
| 623.3061                             | 2 EA.    | NEW 12" PY+ TRAFFIC SIGNAL HEAD W/ TYPE VI MOUNTING                                                                                                              |
| 623.3065                             | 2 EA.    | RELOCATED 12" PY+ TRAFFIC SIGNAL HEAD W/ TYPE VI MOUNTING                                                                                                        |
| 623.3001                             | 1 EA.    | NEW 12" PY+ TRAFFIC SIGNAL HEAD W/ TYPE I MOUNTING                                                                                                               |
| 623.4600                             | 5 EA.    | PEDESTRIAN PUSH BUTTON W/ P10-4R SIGN                                                                                                                            |
| 623.8070                             | 2 EA.    | LOOP DETECTOR SENSING UNIT (6'x8'), 3 LOOPS                                                                                                                      |
| 623.8050                             | 3 EA.    | LOOP DETECTOR SENSING UNIT (6'x6'), 6 LOOPS                                                                                                                      |
| 623.2016                             | 2 EA.    | TYPE II TRAFFIC SIGNAL STANDARD W/ 30'-0" MAST ARM & FOUNDATION                                                                                                  |
| 623.4400                             | 2 EA.    | TWO NEW PEDESTRIAN SIGNAL HEADS W/ TYPE V MOUNTING                                                                                                               |
| 623.7020                             | 800 L.F. | 1-2c#14 CABLE                                                                                                                                                    |
| 629.1020                             | 4 LANES  | CROSSWALK MARKING                                                                                                                                                |
| 629.1010                             | 30 L.F.  | PAVEMENT STRIPING                                                                                                                                                |
| 650.0040                             | 2 EA.    | TYPE "D" WHEELCHAIR RAMPS                                                                                                                                        |
| 650.0050                             | 2 EA.    | TYPE "E" WHEELCHAIR RAMPS                                                                                                                                        |
| 608.0200                             | 6 SQ.Yd  | CONCRETE SIDEWALK                                                                                                                                                |
|                                      | 215 L.F. | PEDESTRIAN PUSHBUTTON CONTROL CABLE                                                                                                                              |

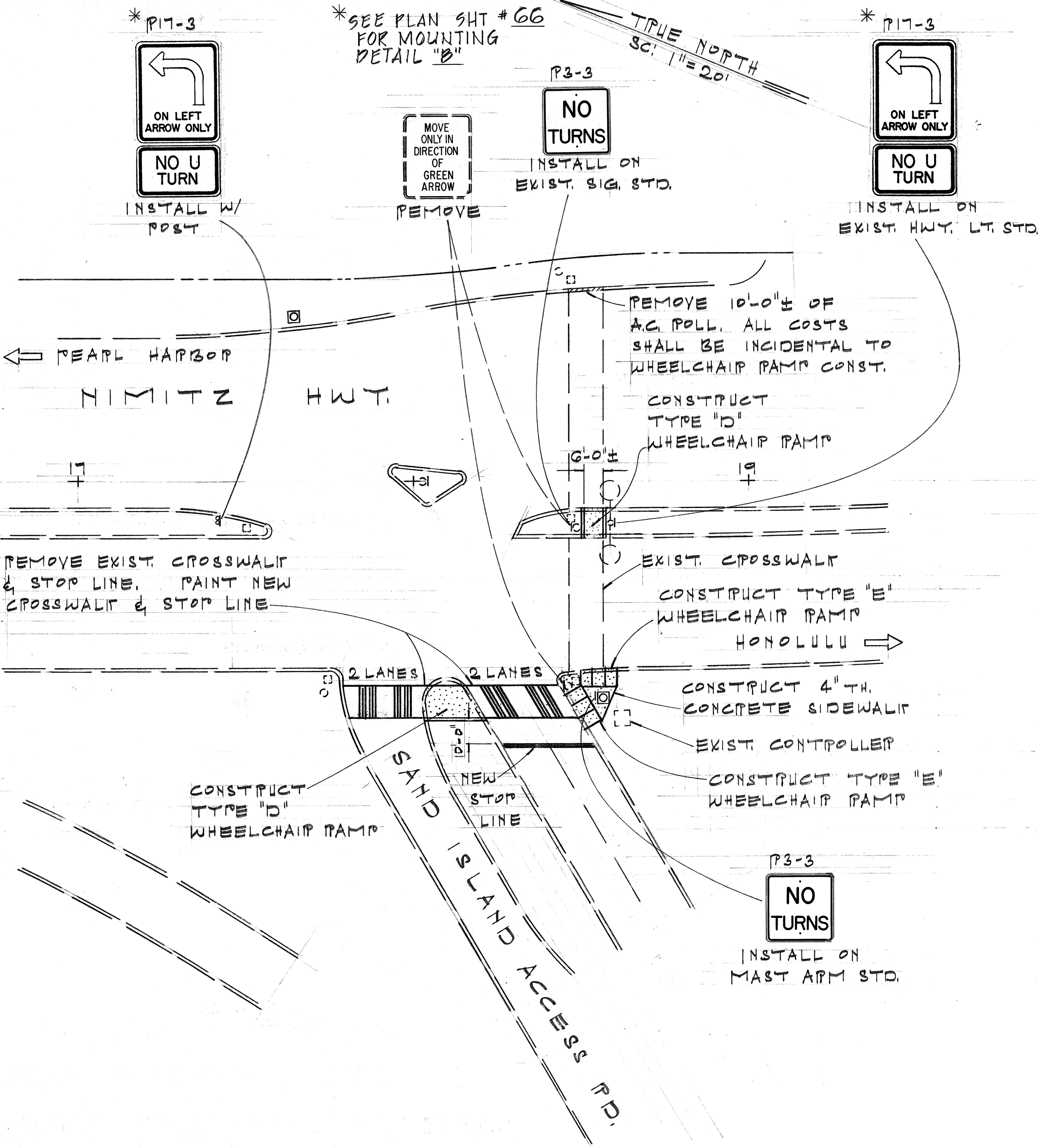
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

UPGRADE TRAFFIC SIGNALS  
AT VARIOUS INTERSECTIONS

NIMITZ HWY-SAND ISLAND ACCESS RD.  
PROJ. NO. HWY-0-03-75

SCALE: 1"=20'      DATE: April, 1977

SHEET No. 23 OF 49 SHEETS



|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| DESIGNED BY   |                   |      |
| NOTED BY      |                   |      |
| CHECKED BY    |                   |      |
| NO.           |                   |      |