

| FED. ROAD DIST. NO. | STATE | FEDERAL AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-050-1(039)        | 2014        | 46        | 56           |

GENERAL NOTES FOR TRAFFIC CONTROL PLAN

1. The permittee shall make minor adjustments at intersections, driveways bridges, structures, etc. to fit field conditions.
2. Cones or delineators shall be extended to a point where they are visible to approaching traffic.
3. Traffic control devices shall be installed such that the sign or device farthest from the work area shall be placed first. The others shall then be placed progressively toward the work area.
4. Regulatory and warning signs within the construction zone that are in conflict with the traffic control plans shall be removed or covered. All signs shall be restored upon completion of the work.
5. Flaggers and/or police officers shall be in sight of each other or in direct communication at all times.
6. When required by the issuing office, the permittee shall install a flashing arrow signal as shown on the traffic control plans.
7. Sign spacings (D), taper lengths (L), longitudinal buffer space (B), and spacing of cones or delineators shall be as shown in Table 1 unless otherwise noted on the traffic control plans.
8. All traffic lanes shall be a minimum of 10 feet wide.
9. All construction warning signs shall be promptly removed or covered whenever the message is not applicable or not in use.
10. The backs of all signs used for traffic control shall be appropriately covered to preclude the display of inapplicable sign messages (i.e. when the signs have messages on both faces) whenever the message is not applicable or not in use.
11. At the end of each day's work or as soon as the work is completed, the permittee shall remove all traffic control devices no longer needed to permit free and safe passage of public traffic. Removal shall be in the reverse order of installation.
12. Replace permanent traffic signs upon completion of each phase of work.

TABLE 1 FOR TRAFFIC CONTROL PLAN

| POSTED SPEED LIMIT (M.P.H.) | SIGN SPACING (D) (FEET) | TAPER LENGTH (L) (FEET) |                      | LONGI-TUDINAL BUFFER SPACE (B) (FEET) | SPACING OF CONES OR DELINEATORS (FEET) |         |           |
|-----------------------------|-------------------------|-------------------------|----------------------|---------------------------------------|----------------------------------------|---------|-----------|
|                             |                         | W = 12' OR LESS         | W = GREATER THAN 12' |                                       | TAPER                                  | TANGENT | WORK AREA |
| 20                          | 250                     | 200                     | W X 17               | 35                                    | 20                                     | 20      | 10        |
| 25                          | 250                     | 200                     | W X 17               | 55                                    | 25                                     | 25      | 10        |
| 30                          | 250                     | 250                     | W X 20               | 85                                    | 30                                     | 30      | 10        |
| 35                          | 250                     | 250                     | W X 20               | 120                                   | 35                                     | 35      | 10        |
| 40                          | 500                     | 350                     | W X 30               | 170                                   | 40                                     | 40      | 10        |
| 45                          | 500                     | 550                     | W X 45               | 220                                   | 45                                     | 45      | 10        |
| 50                          | 1000                    | 600                     | W X 50               | 280                                   | 50                                     | 50      | 10        |
| 55                          | 1000                    | 700                     | W X 55               | 335                                   | 55                                     | 55      | 10        |

Note: W=width of shoulder, lane, or offset

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RANDALL M. URASKI

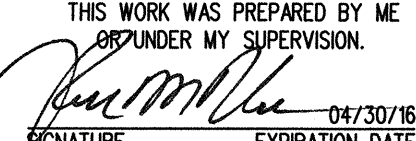
LICENSED PROFESSIONAL ENGINEER

No. 7269-C

HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME

UNDER MY SUPERVISION.



SIGNATURE

04/30/16

EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

TRAFFIC CONTROL NOTES

KAUNUALII HIGHWAY PAVEMENT PREVENTATIVE MAINTENANCE

PHASE I - KOLOA ROAD TO THE VICINITY OF HULEIA BRIDGE

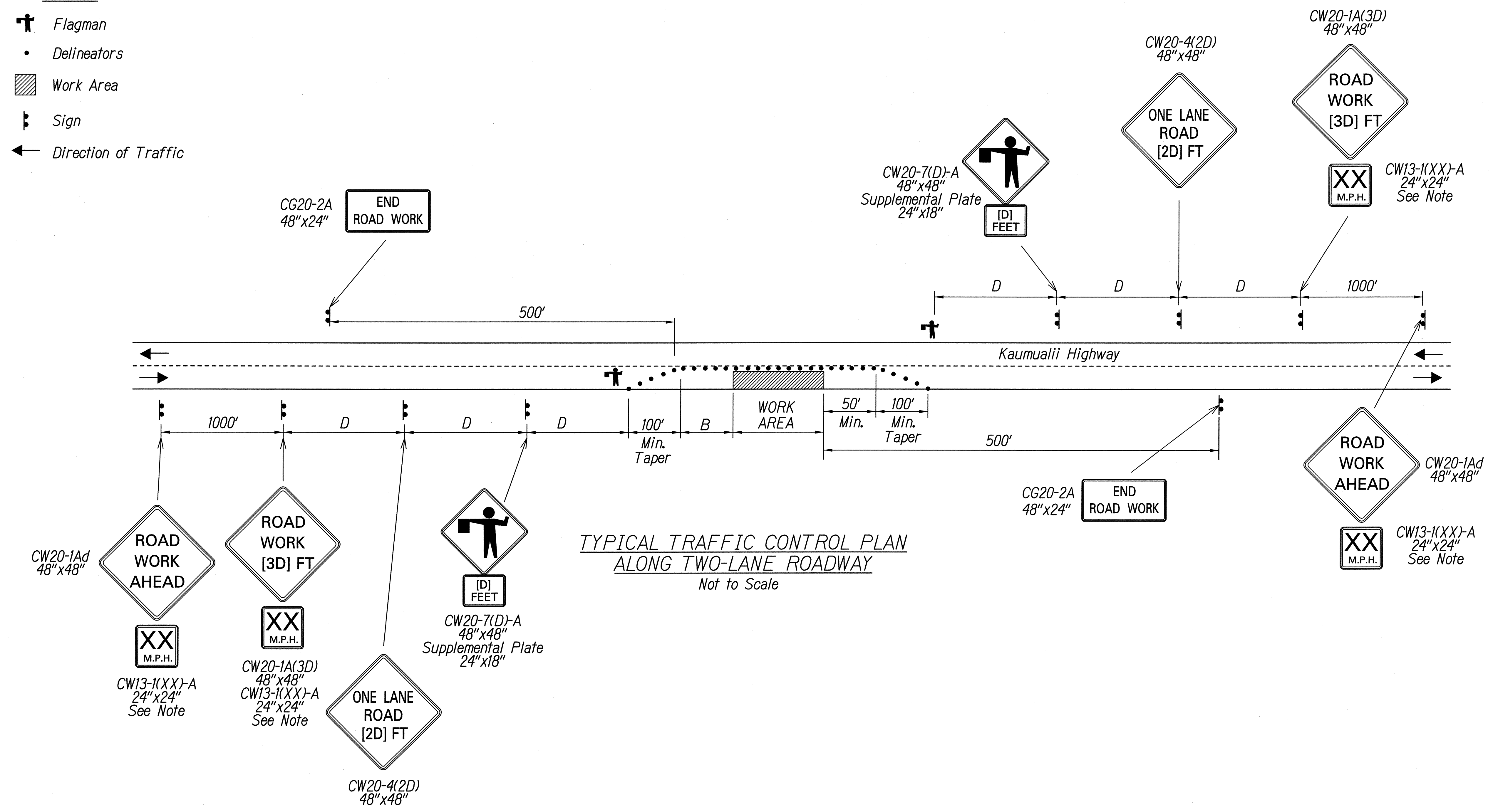
Federal Aid Project No. STP-050-1(039)

Scale: None

Date: April 15, 2014

| FED. ROAD DIST. NO. | STATE | FEDERAL AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-050-1(039)        | 2014        | 47        | 56           |

- LEGEND**
- Flagman
  - Delineators
  - Work Area
  - Sign
  - Direction of Traffic



**TYPICAL TRAFFIC CONTROL PLAN  
ALONG TWO-LANE ROADWAY**  
Not to Scale

**NOTE:**  
See sheet TC-1 and TC-2 for  
construction area reduced speed limit.

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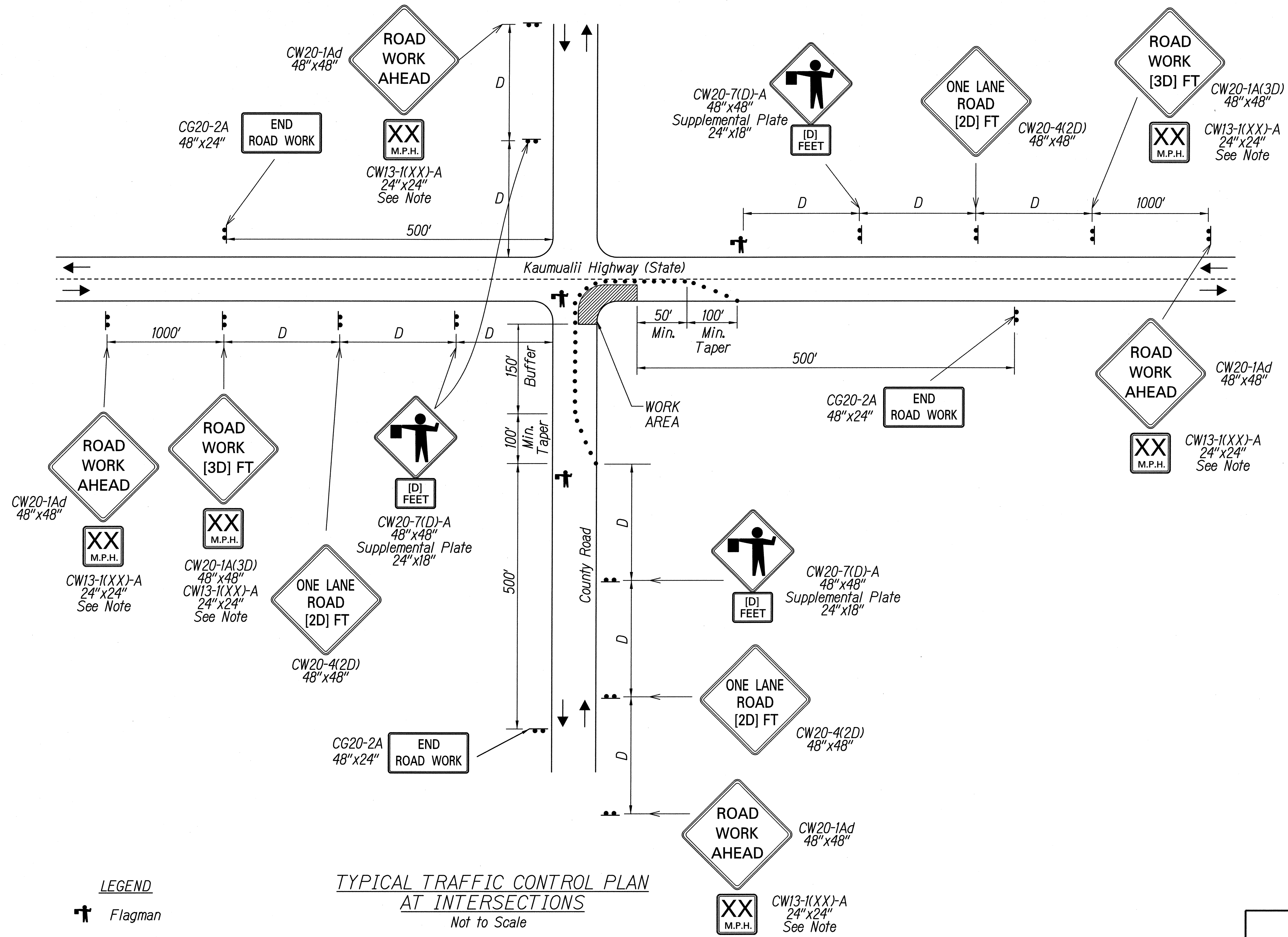
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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL TRAFFIC CONTROL  
PLAN ALONG TWO-LANE ROADWAY**

KAUMUALII HIGHWAY PAVEMENT PREVENTATIVE MAINTENANCE  
PHASE I - KOLOA ROAD TO THE VICINITY OF HULEIA BRIDGE  
Federal Aid Project No. STP-050-1(039)  
Scale: None Date: April 15, 2014

| FED. ROAD DIST. NO. | STATE | FEDERAL AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-050-1(039)        | 2014        | 48        | 56           |



- LEGEND**
- Flagman
  - Delineators
  - Work Area
  - Sign
  - Direction of Traffic

**TYPICAL TRAFFIC CONTROL PLAN  
AT INTERSECTIONS**  
Not to Scale

**NOTE:**  
See sheet TC-1 and TC-2 for  
construction area reduced speed limit.

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 DATE: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 ORIGINAL PLAN: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 QUANTITY BY: \_\_\_\_\_  
 QUANTITY BY: \_\_\_\_\_

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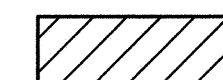
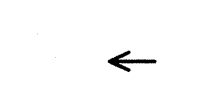
STATE OF HAWAII  
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HIGHWAYS DIVISION

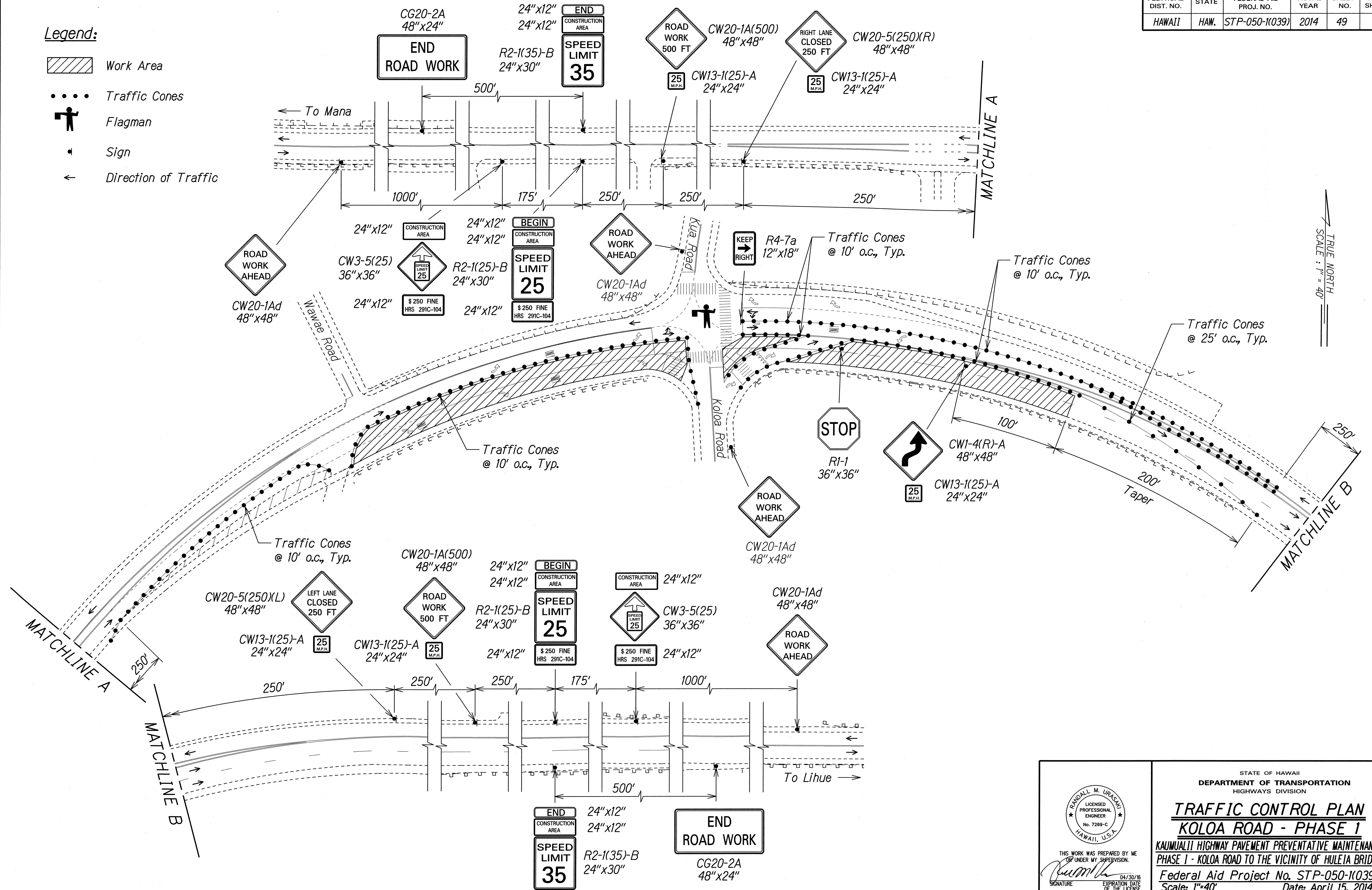
**TYPICAL TRAFFIC CONTROL  
PLAN AT INTERSECTIONS**

KAUMUALII HIGHWAY PAVEMENT PREVENTATIVE MAINTENANCE  
PHASE I - KOLOA ROAD TO THE VICINITY OF HULEIA BRIDGE  
Federal Aid Project No. STP-050-1(039)  
Scale: None Date: April 15, 2014

| FED. ROAD DIST. NO. | STATE | FEDERAL AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-050-1(039)        | 2014        | 49        | 56           |

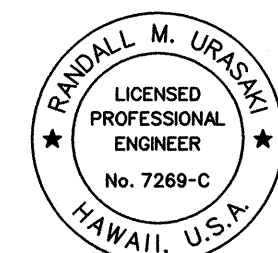
# Legend:

-  Work Area
-  Traffic Cones
-  Flagman
-  Sign
-  Direction of Traffic



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| CHECKED BY    |      |
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| DATE          |      |

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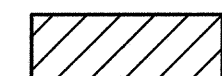
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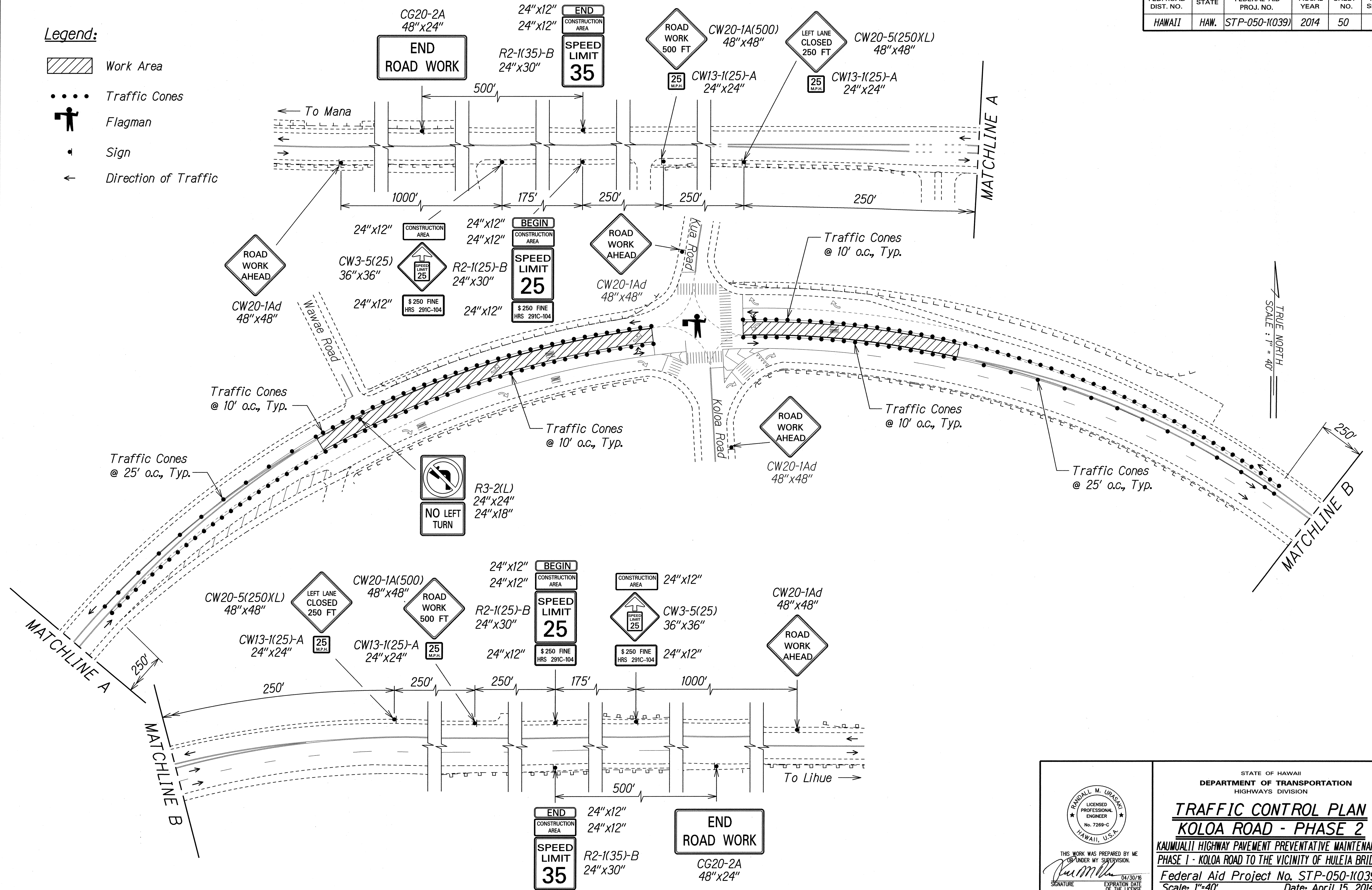
**TRAFFIC CONTROL PLAN**  
**KOLOA ROAD - PHASE 1**  
 KAUNIALII HIGHWAY PAVEMENT PREVENTATIVE MAINTENANCE  
 PHASE 1 - KOLOA ROAD TO THE VICINITY OF HULEIA BRIDGE  
 Federal Aid Project No. STP-050-1(039)  
 Scale: 1"=40' Date: April 15, 2014

SHEET No. TC-6 OF 12 SHEETS

| FED. ROAD DIST. NO. | STATE | FEDERAL AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------------------|-------------|-----------|--------------|
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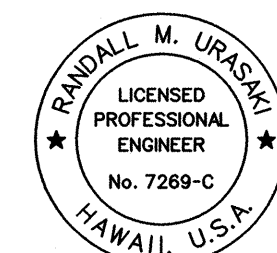
# Legend:

-  Work Area
-  Traffic Cones
-  Flagman
-  Sign
-  Direction of Traffic



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

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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

## TRAFFIC CONTROL PLAN

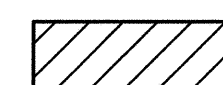
### KOLOA ROAD - PHASE 2

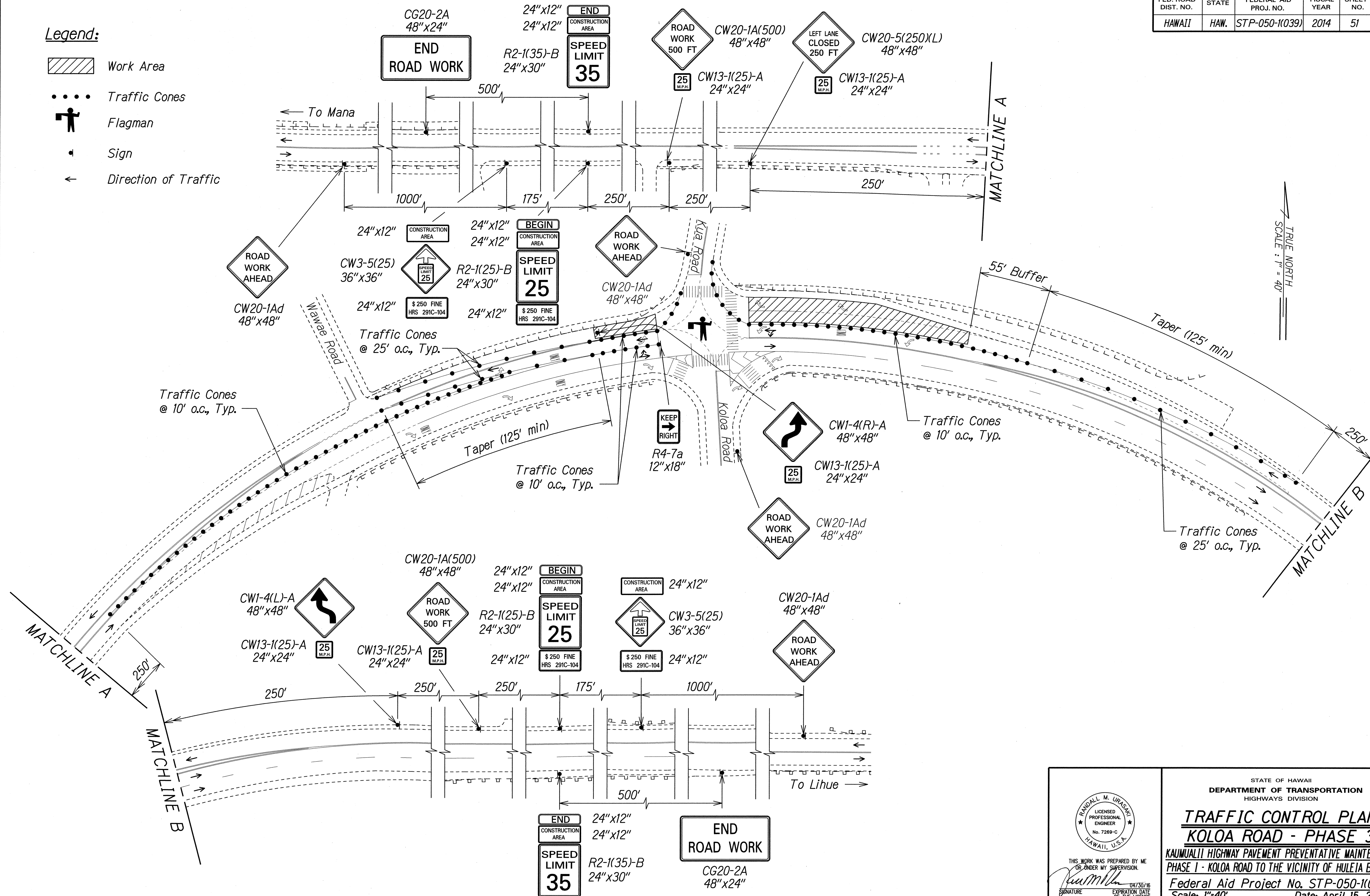
KAUNUALII HIGHWAY PAVEMENT PREVENTATIVE MAINTENANCE  
PHASE I - KOLONA ROAD TO THE VICINITY OF HULEIA BRIDGE  
Federal Aid Project No. STP-050-1(039)  
Scale: 1"=40' Date: April 15, 2014

SHEET No. TC-7 OF 12 SHEETS

| FED. ROAD DIST. NO. | STATE | FEDERAL AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-050-1(039)        | 2014        | 51        | 56           |

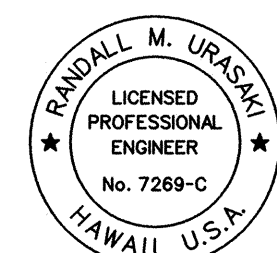
**Legend:**

-  Work Area
-  Traffic Cones
-  Flagman
-  Sign
-  Direction of Traffic



|                   |       |
|-------------------|-------|
| DATE              | _____ |
| SURVEY PLOTTED BY | _____ |
| DRAWN BY          | _____ |
| DESIGNED BY       | _____ |
| CHECKED BY        | _____ |
| NOTED BY          | _____ |
| NO.               | _____ |

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EXPIRATION DATE OF LICENSE

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HIGHWAYS DIVISION

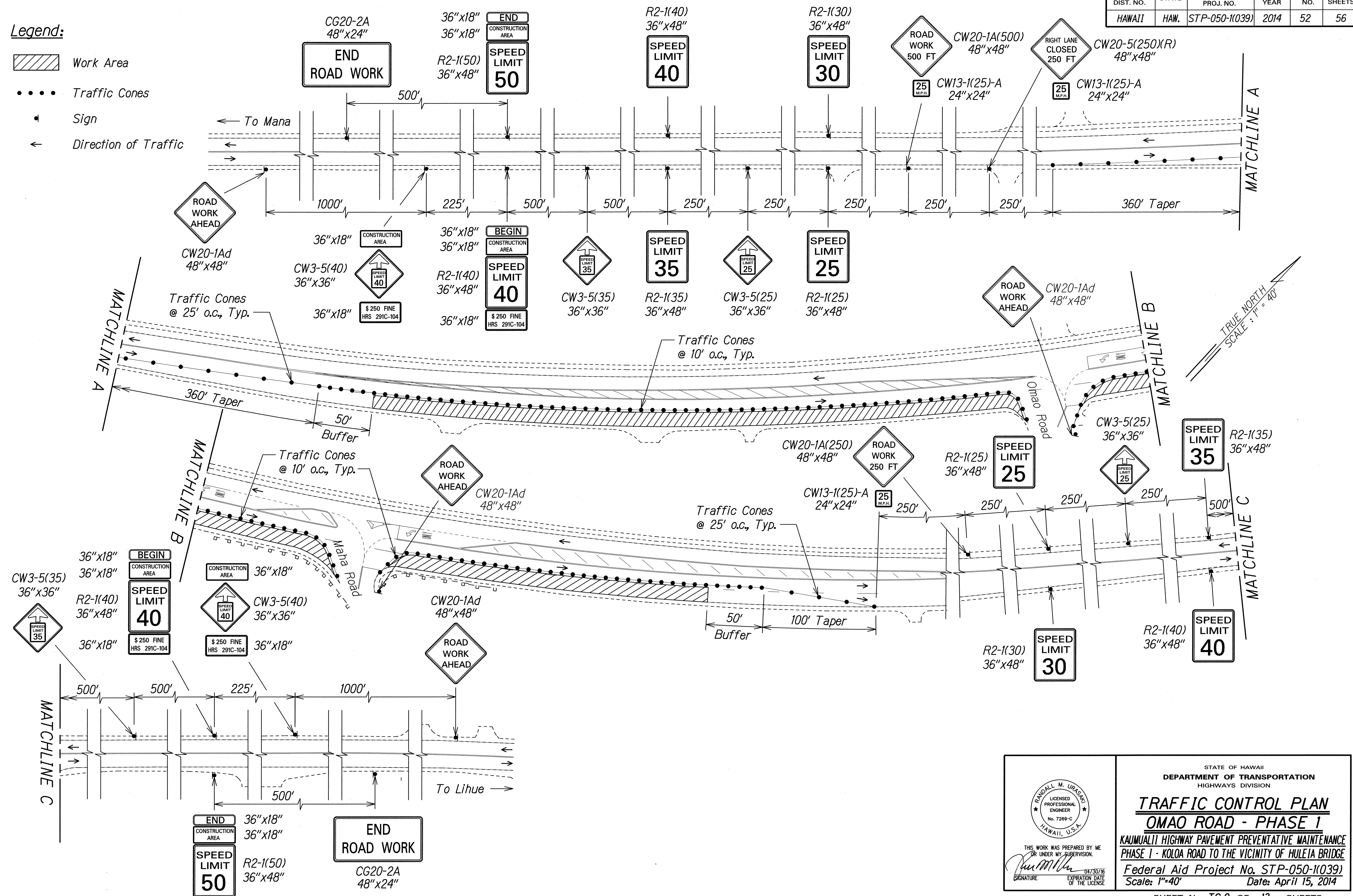
**TRAFFIC CONTROL PLAN**  
**KOLOA ROAD - PHASE 3**

KAUNUALILI HIGHWAY PAVEMENT PREVENTATIVE MAINTENANCE  
PHASE I - KOLOA ROAD TO THE VICINITY OF HULEIA BRIDGE  
Federal Aid Project No. STP-050-1(039)  
Scale: 1"=40' Date: April 15, 2014

SHEET No. TC-8 OF 12 SHEETS

*Legend:*

-  *Work Area*  
 *Traffic Cones*  
 *Sign*  
 *Direction of Traffic*



|                  |                                    |
|------------------|------------------------------------|
| ORIGINAL<br>PLAN | SURVEY PLOTTED BY _____ DATE _____ |
|                  | DRAWN BY _____                     |
|                  | TRACED BY _____                    |
| NOTE BOOK        | DESIGNED BY _____                  |
|                  | QUANTITIES BY _____                |
|                  | CHECKED BY _____                   |
| No. _____        |                                    |

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*Randall M. Urasaki*  
SIGNATURE

04/20/16  
EXPIRATION DATE OF THE LICENSE

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HIGHWAYS DIVISION

**TRAFFIC CONTROL PLAN**  
**OMAO ROAD - PHASE 1**

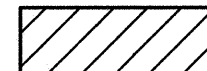
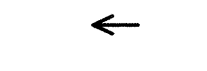
**KAUAI/II HIGHWAY PAVEMENT PREVENTATIVE MAINTENANCE**  
**PHASE 1 - KOLOA ROAD TO THE VICINITY OF HULEIA BRIDGE**

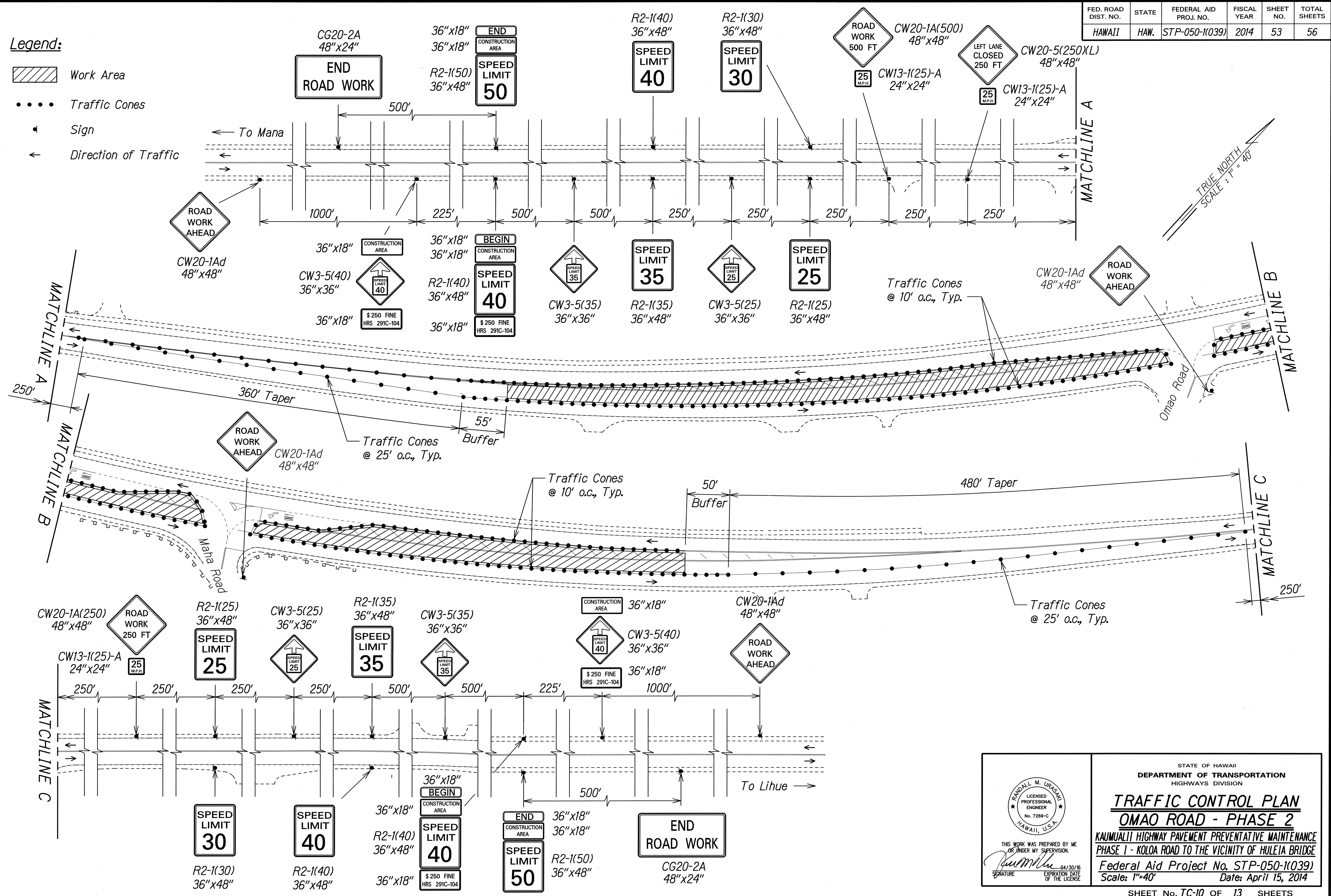
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**Scale: 1"=40'**      **Date: April 15, 2014**

SHEET No. *TC-9* OF *13* SHEETS

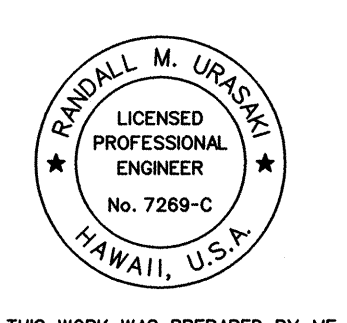
| FED. ROAD DIST. NO. | STATE | FEDERAL AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-050-1(039)        | 2014        | 53        | 56           |

**Legend:**

-  Work Area
-  Traffic Cones
-  Sign
-  Direction of Traffic



|                            |       |
|----------------------------|-------|
| DATE                       | _____ |
| DESIGNED BY                | _____ |
| CHECKED BY                 | _____ |
| IN CHARGE                  | _____ |
| PROJECT NO.                | _____ |
| PROJECT NAME               | _____ |
| PROJECT LOCATION           | _____ |
| PROJECT DESCRIPTION        | _____ |
| PROJECT STATUS             | _____ |
| PROJECT BUDGET             | _____ |
| PROJECT COST               | _____ |
| PROJECT REVENUE            | _____ |
| PROJECT PROFIT             | _____ |
| PROJECT RISK               | _____ |
| PROJECT IMPACT             | _____ |
| PROJECT BENEFIT            | _____ |
| PROJECT SUSTAINABILITY     | _____ |
| PROJECT INNOVATION         | _____ |
| PROJECT LEADERSHIP         | _____ |
| PROJECT TEAMWORK           | _____ |
| PROJECT COMMUNICATION      | _____ |
| PROJECT COLLABORATION      | _____ |
| PROJECT PARTNERSHIP        | _____ |
| PROJECT ALLIANCE           | _____ |
| PROJECT CONSORTIUM         | _____ |
| PROJECT JOINT VENTURE      | _____ |
| PROJECT EQUITY PARTNERSHIP | _____ |
| PROJECT MANAGEMENT         | _____ |
| PROJECT OPERATIONS         | _____ |
| PROJECT MAINTENANCE        | _____ |
| PROJECT REPAIRS            | _____ |
| PROJECT REPLACEMENT        | _____ |
| PROJECT MODIFICATION       | _____ |
| PROJECT EXPANSION          | _____ |
| PROJECT CONTRACTION        | _____ |
| PROJECT REDUCTION          | _____ |
| PROJECT ELIMINATION        | _____ |
| PROJECT TERMINATION        | _____ |
| PROJECT CANCELLATION       | _____ |
| PROJECT ABANDONMENT        | _____ |
| PROJECT DESTRUCTION        | _____ |
| PROJECT REMOVAL            | _____ |
| PROJECT DISPOSAL           | _____ |
| PROJECT RECYCLING          | _____ |
| PROJECT REUSE              | _____ |
| PROJECT REPAIR             | _____ |
| PROJECT REPLACE            | _____ |
| PROJECT REBUILD            | _____ |
| PROJECT RECONSTRUCT        | _____ |
| PROJECT REFORM             | _____ |
| PROJECT REORGANIZE         | _____ |
| PROJECT RESTRUCTURE        | _____ |
| PROJECT REVERSE            | _____ |
| PROJECT RETURN             | _____ |
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| PROJECT REVERSE            | _____ |
| PROJECT RETURN             | _____ |
| PROJECT REVERT             | _____ |
| PROJECT REWIND             | _____ |



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Signature: *Randall M. Uragami* Date: 04/30/16

EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC CONTROL PLAN**  
**OMAO ROAD - PHASE 2**

KAUAI HAWAII HIGHWAY PAVEMENT PREVENTATIVE MAINTENANCE  
PHASE I - KOLOA ROAD TO THE VICINITY OF HULEIA BRIDGE

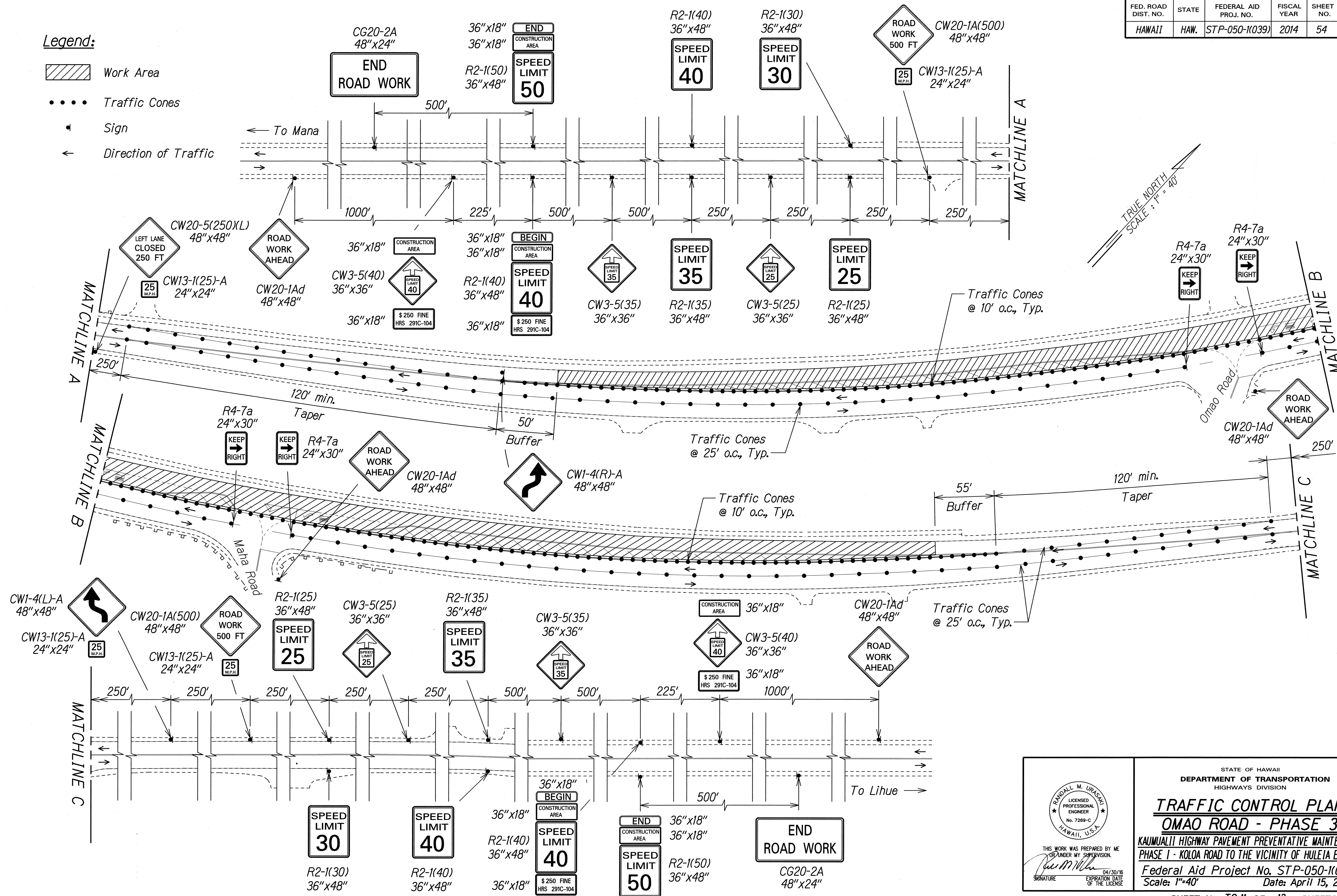
Federal Aid Project No. STP-050-1(039)  
Scale: 1"=40' Date: April 15, 2014

SHEET No. TC-10 OF 13 SHEETS

| FED. ROAD DIST. NO. | STATE | FEDERAL AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
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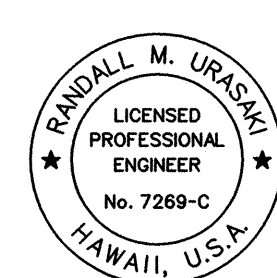
**Legend:**

-  Work Area
-  Traffic Cones
-  Sign
-  Direction of Traffic



|               |       |
|---------------|-------|
| DATE          | _____ |
| SURVEY BY     | _____ |
| DESIGNED BY   | _____ |
| NOTED BY      | _____ |
| CHECKED BY    | _____ |
| ORIGINAL PLAN | _____ |
| NOTE BOOK     | _____ |
| NO.           | _____ |

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STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**TRAFFIC CONTROL PLAN**  
**OMAO ROAD - PHASE 3**

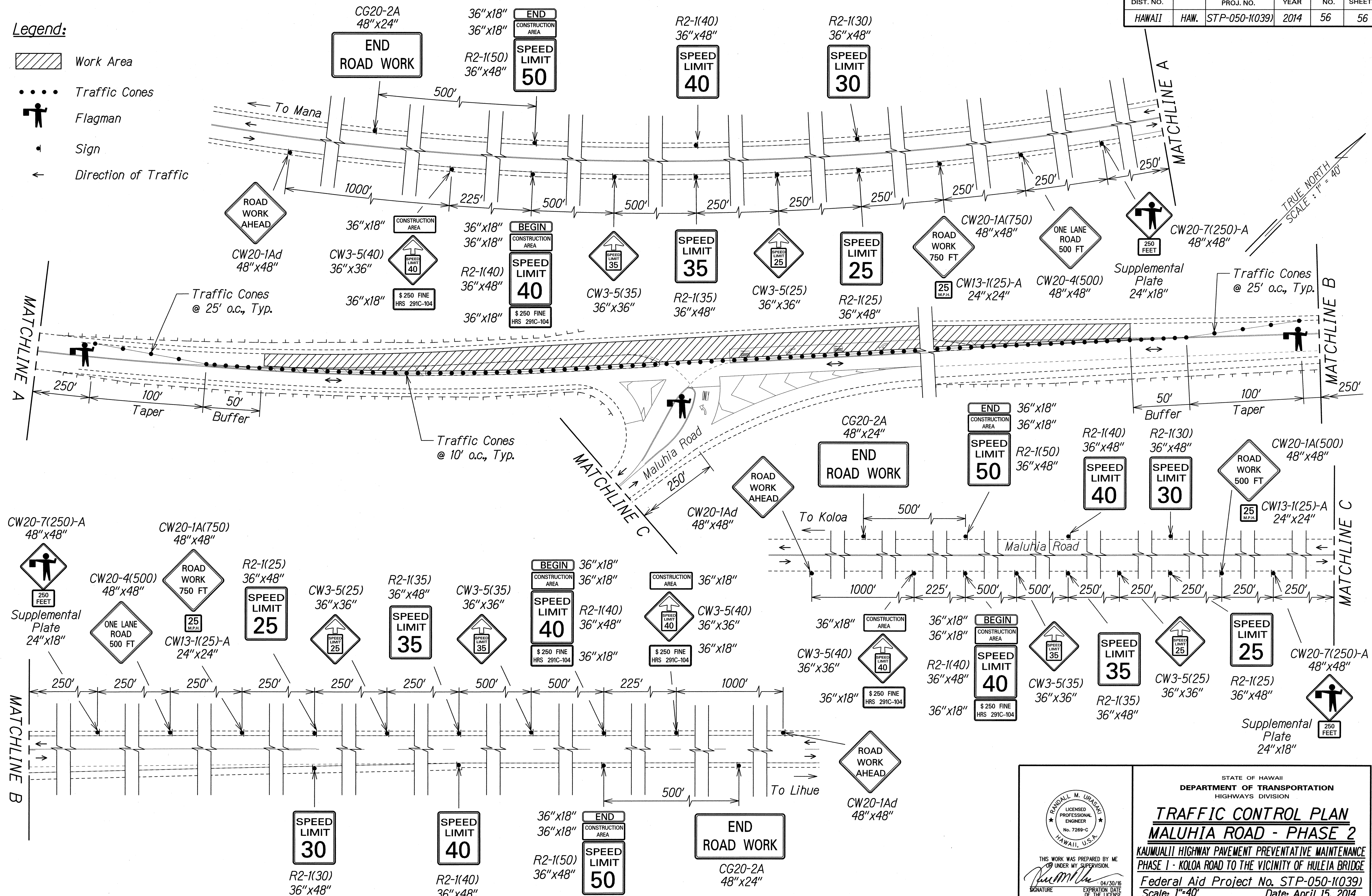
KAUNIALII HIGHWAY PAVEMENT PREVENTATIVE MAINTENANCE  
 PHASE I - KOLOA ROAD TO THE VICINITY OF HULEIA BRIDGE  
 Federal Aid Project No. STP-050-1(039)  
 Scale: 1"=40' Date: April 15, 2014

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| FED. ROAD DIST. NO. | STATE | FEDERAL AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
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| HAWAII              | HAW.  | STP-050-1(039)        | 2014        | 56        | 56           |

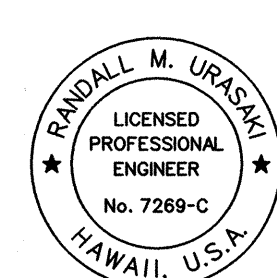
**Legend:**

-  Work Area
-  Traffic Cones
-  Flagman
-  Sign
-  Direction of Traffic



|               |      |
|---------------|------|
| DATE          | ____ |
| DESIGNED BY   | ____ |
| CHECKED BY    | ____ |
| NOTED BY      | ____ |
| ORIGINAL PLAN | ____ |
| NOTE BOOK     | ____ |
| CHECKED BY    | ____ |

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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC CONTROL PLAN**  
**MALUHIA ROAD - PHASE 2**

KAUNIALII HIGHWAY PAVEMENT PREVENTATIVE MAINTENANCE  
 PHASE 1 - KOLOA ROAD TO THE VICINITY OF HULEIA BRIDGE  
 Federal Aid Project No. STP-050-1(039)  
 Scale: 1"=40' Date: April 15, 2014