

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 5	173

TRAFFIC SIGNALS AND TECHNOLOGY DIVISION NOTES:

1. The Contractor shall notify the Traffic Signals and Technology Division, Department of Transportation Services, three (3) working days prior to commencing work on the traffic signal system (Phone: 768-8388).
2. The traffic signal system shall be kept operational during construction. Any relocation required shall be approved by the Traffic Signals and Technology Division, Department of Transportation Services, and paid for by the Contractor.
3. The Contractor shall be responsible for any damages to the existing traffic signal facilities, including but not limited to the traffic signal fiber optic cable system, and interconnect system. Any and all damages to these facilities shall be repaired by the Contractor at his cost in accordance with the requirements of the Traffic Signals and Technology Division.

CONSTRUCTION NOTES (WITHIN CITY RIGHT-OF-WAY):

1. All applicable construction work shall be done in accordance with the Standard Specifications for Public Works Construction, September 1986 and Standard Details for Public Works Construction, September 1984, as amended, of the Department of Public Works, City and County of Honolulu and the Counties of Kauai, Maui, and Hawaii.
2. The underground pipes, cables or ductlines known to exist by the engineer from his search of his records are indicated on the plans. The Contractor shall verify the locations and depths of the facilities and exercise proper care in excavating in the area. Wherever connections of new utilities to existing utilities are shown on the plans, the Contractor shall expose the existing lines at the proposed connections to verify their locations and depths prior to excavation for the new lines.
3. No Contractor shall perform any construction operation so as to cause falling rocks, soil or debris in any form to fall, slide or flow into existing City drainage systems, or adjoining properties, streets or natural watercourses. Should such violations occur, the Contractor may be cited and the Contractor shall immediately make all remedial actions necessary.
4. The Contractor shall be responsible for conformance with the applicable provisions of the water quality and water pollution control standards contained in Hawaii Administrative Rules, Title 11, Chapter 54, "Water Quality Standards" and Title 11, Chapter 55, "Water Pollution Control", as well as Chapter 14 of the Revised Ordinances of Honolulu, as amended. Best Management Practices shall be employed at all times during construction.
5. The Contractor shall notify the Civil Engineering Branch, Department of Planning and Permitting, at 768-8084 to arrange for inspection services and submit four (4) sets of approved Construction Plans seven (7) days prior to commencement of construction work.

6. Confined Space

For entry by City personnel, including inspectors, into a permit required confined space as defined in 29 CFR Part 1910.146(b), the Contractor shall be responsible for providing:

All safety equipment required by the confined space regulations applicable to all parties other than the construction industry, to include, but not limited to, the following:

- a. Full body harnesses for up to two personnel.

b. Lifeline and associated clips.

c. Ingress/egress and fall protection equipment.

d. Two-way radios (walkie-talkies) if out of line-of-sight.

e. Emergency (escape) respirator (10 minute duration).

f. Cellular telephone to call for emergency assistance.

g. Continuous gas detector (calibrated) to measure oxygen, hydrogen sulfide, carbon monoxide and flammables (capable of monitoring at a distance at least 20-feet away).

h. Personal multi-gas detector to be carried by inspector.

i. Continuous forced air ventilation adequate to provide safe entry conditions.

j. One attendant/rescue personnel topside (two, if conditions warrant it).
7. Pursuant to Chapter 6E, HRS, in the event any artifacts or human remains are uncovered during construction operations, the Contractor shall immediately suspend work and notify the Honolulu Police Department, the State Department of Land and Natural Resources-Historic Preservation Division (692-8015). In addition, for non-City projects, the Contractor shall notify the Civil Engineering Branch, Department of Planning and Permitting (768-8084); and for City projects, notify the responsible City agency.
8. For projects abutting State Highways' rights-of-way, the owner or his authorized representative shall notify the State Department of Transportation, Highways Division, Oahu District, Drainage Discharge Unit at 831-6793 for an assessment of State Highways permit requirements.

TRAFFIC NOTES (WITHIN CITY RIGHT-OF-WAY):

1. A permit shall be obtained from the Department of Transportation Services before work on any portion of a public street or highway may begin. Construction traffic control plans approved by the Department of Transportation Services and/or the Department of Planning and Permitting must be provided when applying for the permit.
2. The Contractor shall provide, install and maintain all necessary signs and other protective facilities, which shall conform to the "Hawaii Administration Rules Governing the Use of Traffic Control Devices at Work Site on or Adjacent to Public Streets and Highways" adopted by the Director of Transportation, and the current U.S. Federal Highways Administration's "Manual on Uniform Traffic Control Devices for Streets and Highways, Part VI - Traffic Controls for Street and Highway Construction and Maintenance Operations."

3. Work on any City street area may be performed only between the hours of 8:30 a.m. to 3:30 p.m., Monday through Friday, unless otherwise permitted by the Department of Transportation Services.
4. During working hours, the Contractor shall provide for through traffic. During non-working hours, all trenches shall be covered with a safe non-skid bridging material and all lanes shall be open to traffic.
5. As required by the Department of Transportation Services, the Contractor shall provide off-duty police officers to control the flow of traffic.
6. Where pedestrian walkways exist, they shall be maintained in passable condition, or other facilities for pedestrians shall be provided. Passage between walkways at intersections shall likewise be provided.
7. Driveways shall be kept open unless the owners of the property using these rights-of way are otherwise provided for satisfactorily.
8. The Contractor shall reference to the approval of the Department of Transportation Services and the Department of Planning and Permitting, all existing traffic signs, posts and pavement markings prior to the commencement of construction. The Contractor shall replace or repair all traffic signs, posts and pavement markings disturbed by his activities.
9. The Contractor shall notify the Civil Engineering Branch, Department of Planning and Permitting, at 768-8084 to arrange for inspectional services and submit four (4) sets of approved Construction Plans seven (7) days prior to commencement of work to be done on signs, posts and pavement markings.
10. No equipment shall be stored within street rights-of-way except at locations designated in writing and approved by the Department of Transportation Services.
11. Department of Transportation, Highways Division, shall ensure that the Contractor installs the construction traffic control devices in accordance with the MUTCD and the Hawaii Administration Rules as specified in Traffic Note #2.

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

T-16543A MIDDLE ST./CAADD/SHEETS/NOTES-03a.dgn

Approved:

Chief, Traffic Review Branch, DPP

(for Work within City R/W only)

7/14/14

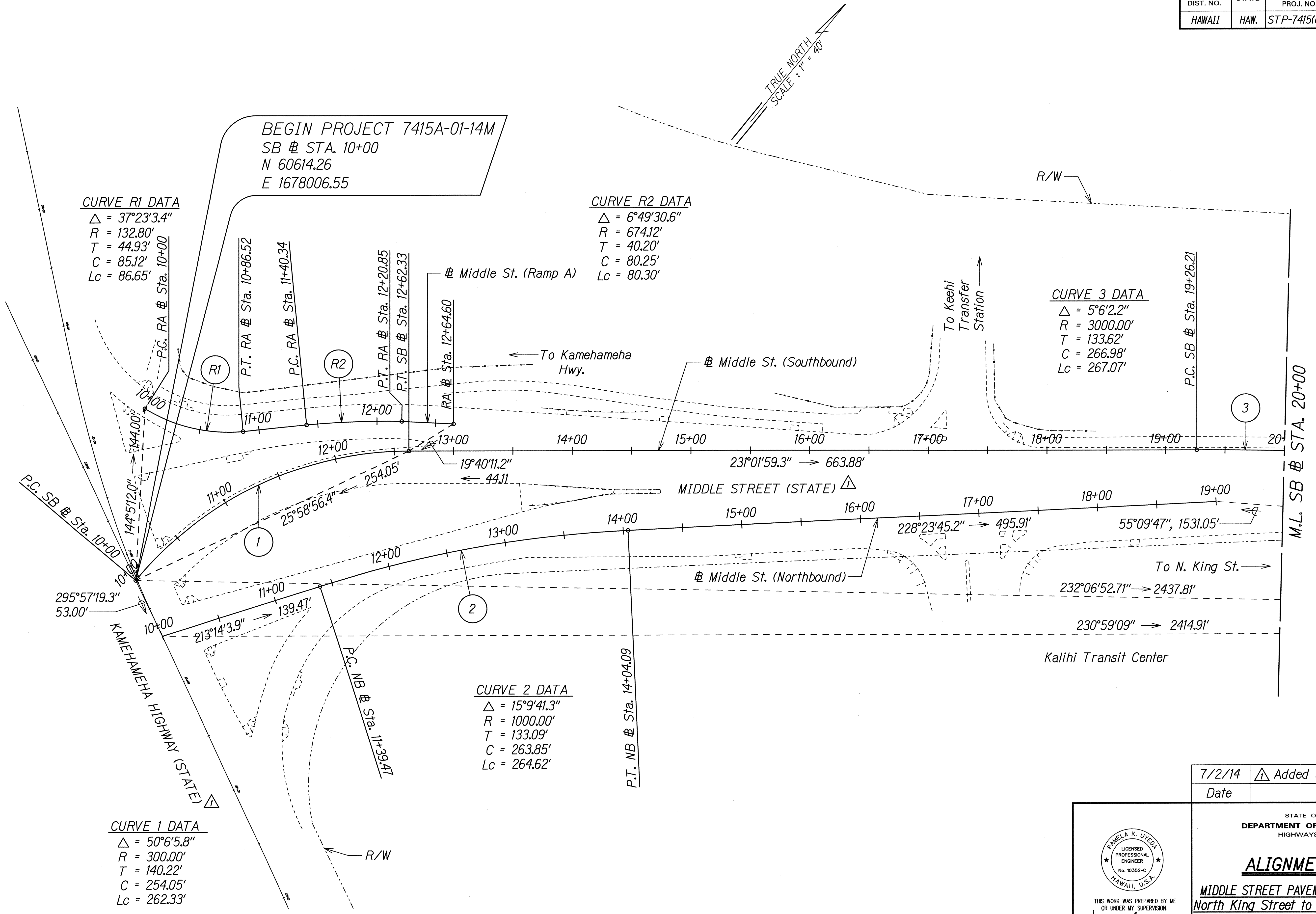
Date

PAMELA K. UYEDA LICENSED PROFESSIONAL ENGINEER No. 10352-C HAWAII, U.S.A. THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. 7/14/14 04/30/16 SIGNATURE EXPIRATION DATE OF THE LICENSE	7/2/14 Date	Revised Note. Added TRB Approval. Revision
	STATE OF HAWAII	
	DEPARTMENT OF TRANSPORTATION	
	HIGHWAYS DIVISION	
GENERAL NOTES		
MIDDLE STREET PAVEMENT RECONSTRUCTION		
North King Street to Kamehameha Highway		
FAP NO. STP-7415(001)		
Scale: None		
Date: June 20, 2014		
SHEET No. N-4 OF 14 SHEETS		

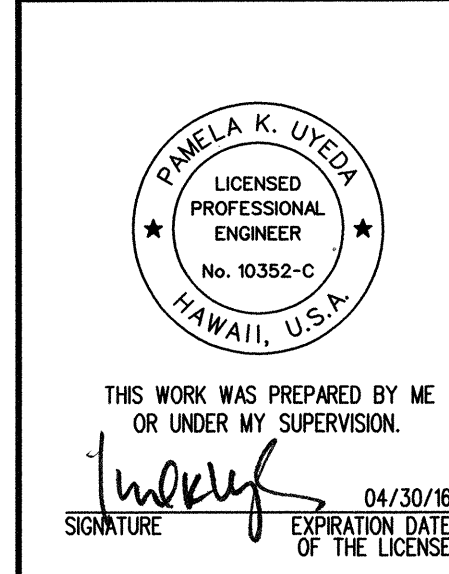
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 18	173

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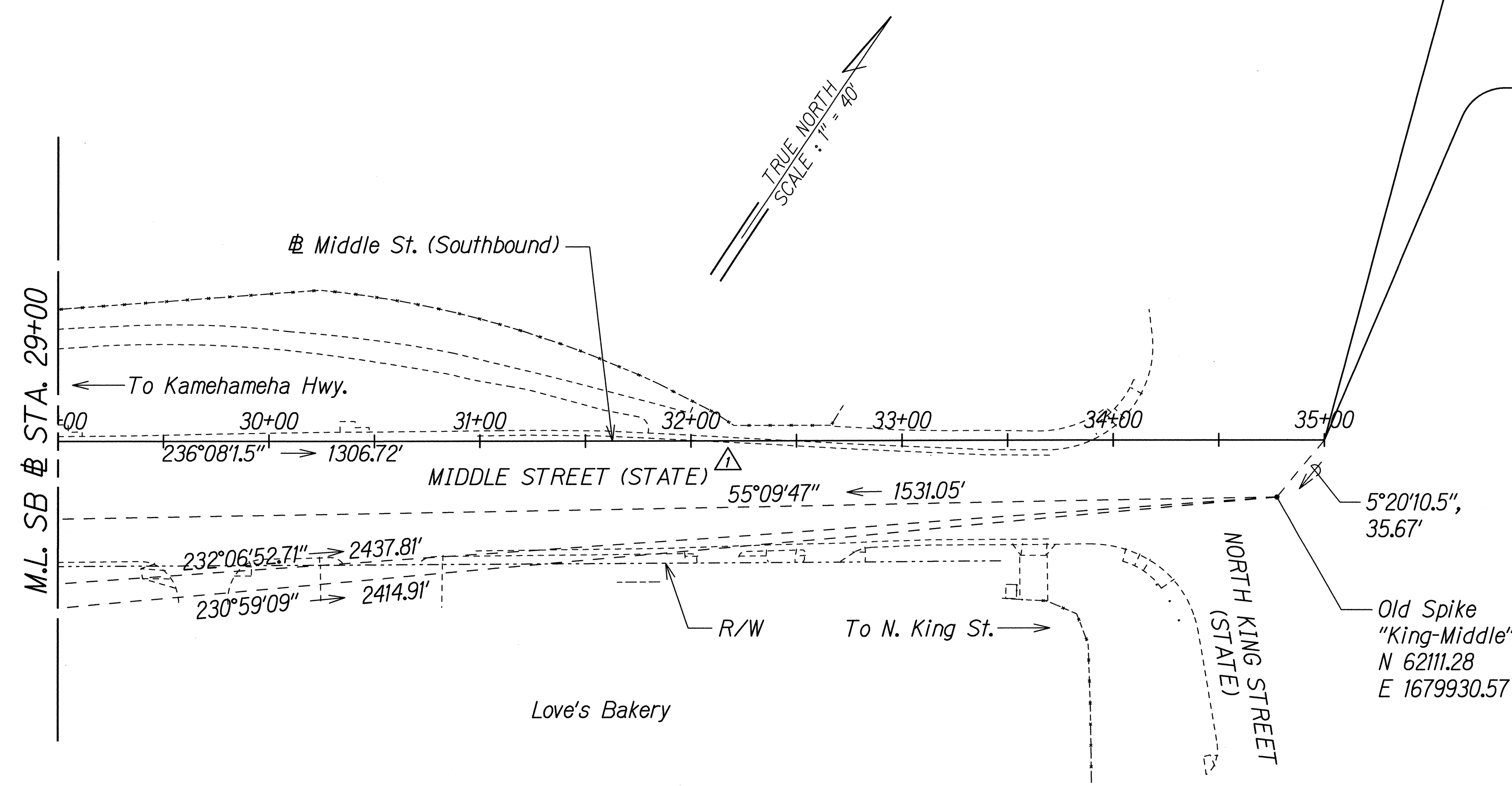
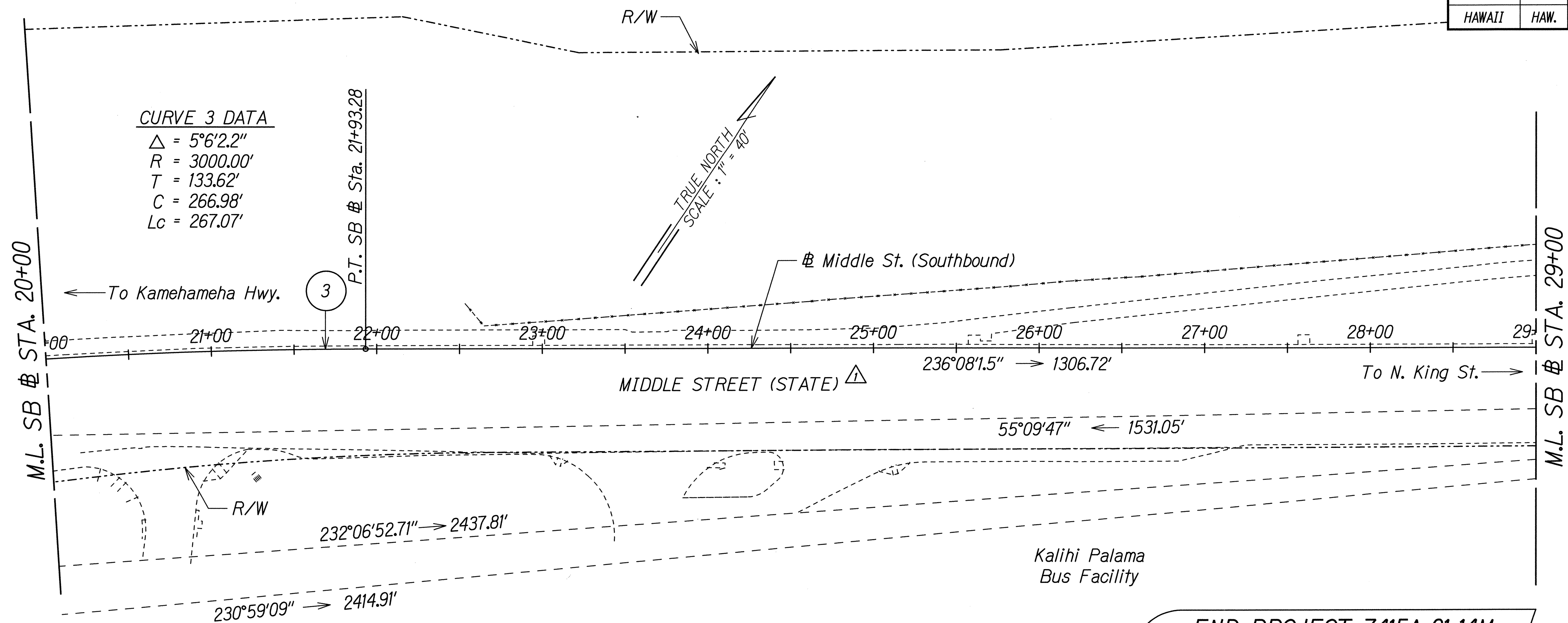


7/2/14	Added Jurisdiction.
Date	Revision



STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ALIGNMENT PLAN	
MIDDLE STREET PAVEMENT RECONSTRUCTION North King Street to Kamehameha Highway FAP NO. STP-7415(001)	
Scale: 1"=40'	Date: June 20, 2014
SHEET No. A-1 OF 2 SHEETS	

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 19	173



SURVEY PLOTTED BY	DATE
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DESIGNED BY	
CHECKED BY	
NOTE BOOK	
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THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature: *Pamela K. Uyeda* Date: 04/30/16

7/2/14
Date

Added Jurisdiction.
Revision

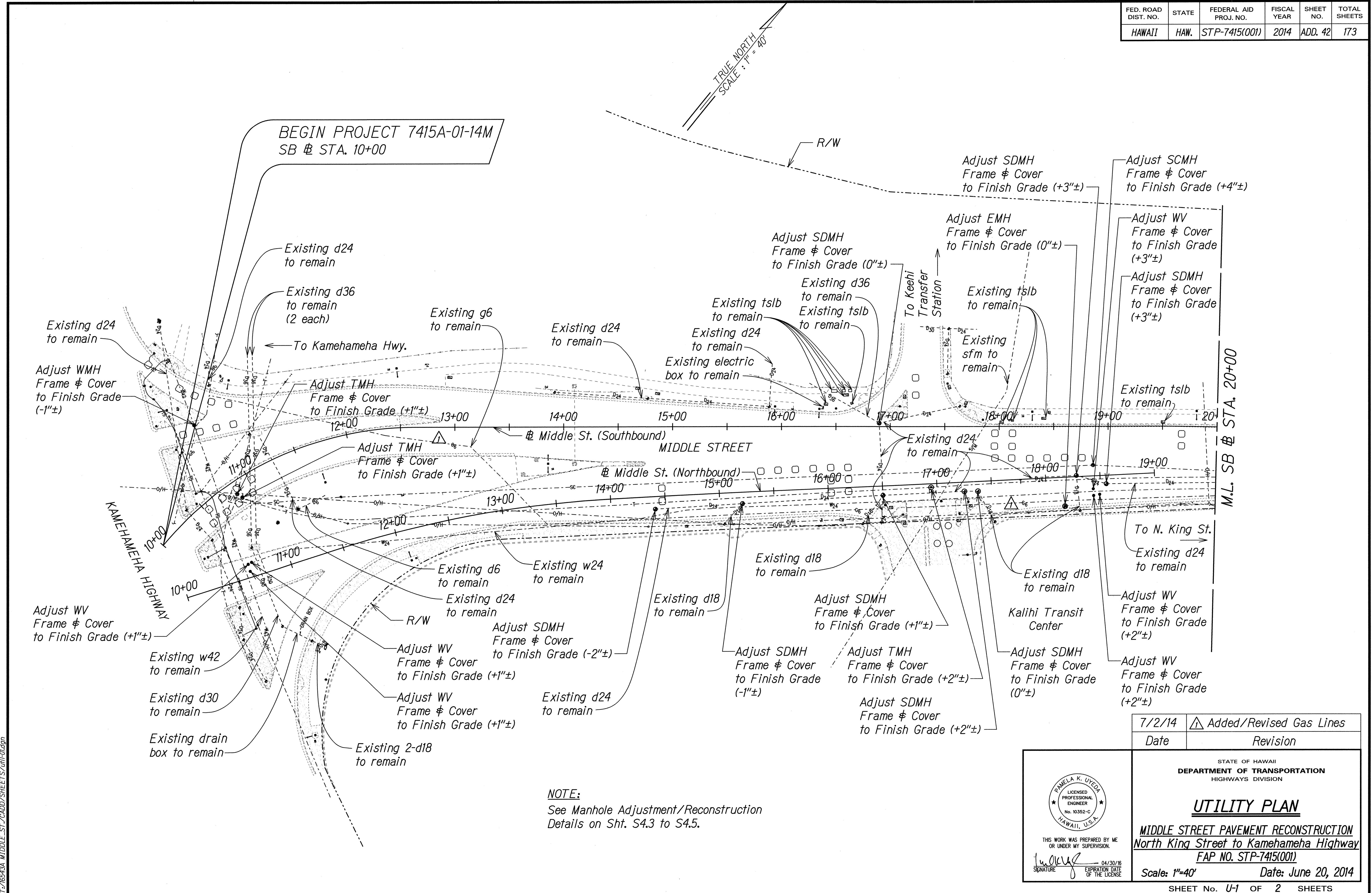
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT PLAN

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

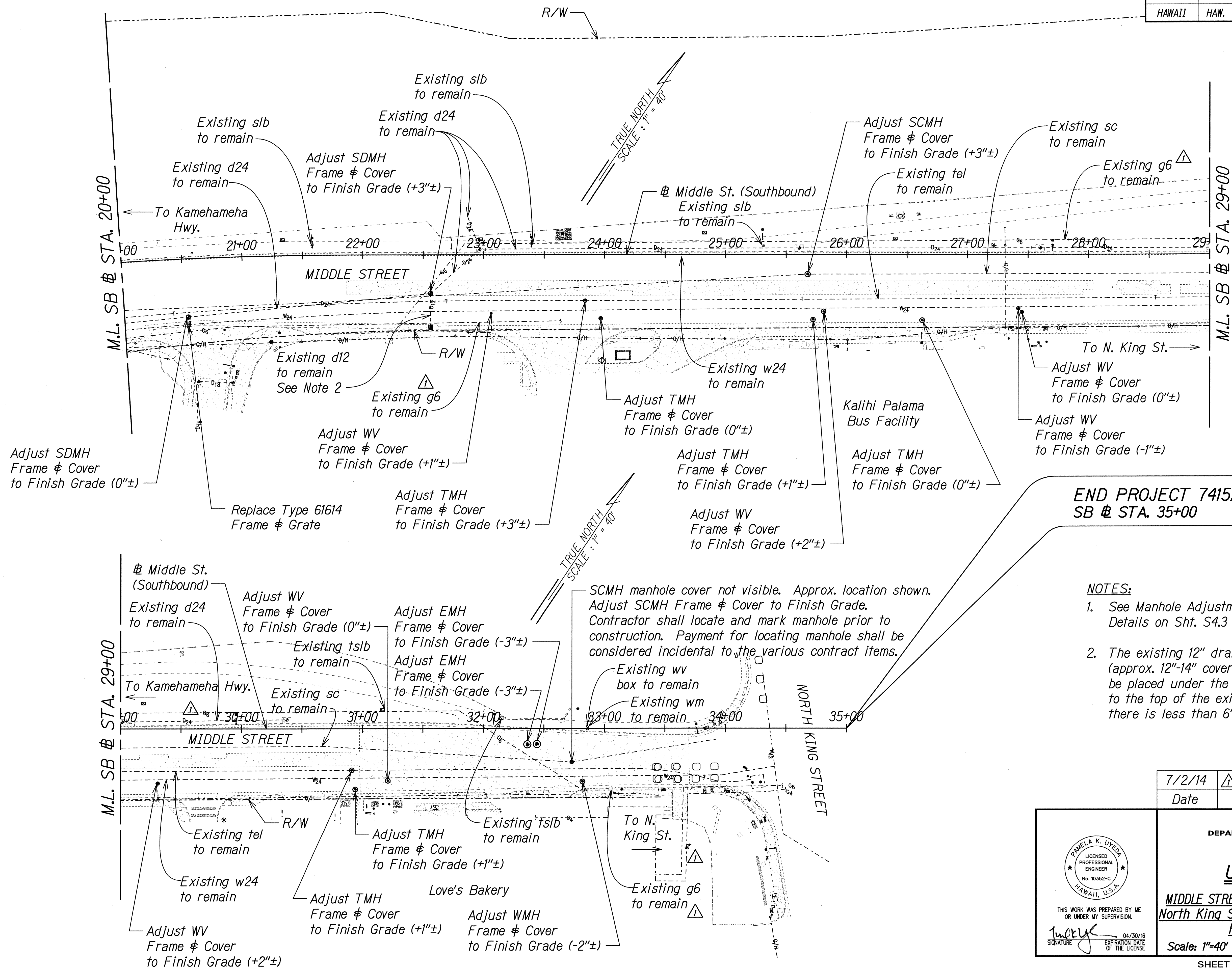
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 42	173



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ORIGINAL PLAN	
NOTE BOOK	
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T-165434 MIDDLE ST./CADD/SHEETS/01H-01.dgn

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 43	173



GENERAL NOTES FOR TRAFFIC CONTROL PLAN

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 50	173

- Only Traffic Control Plans for major construction activities are shown. The Contractor shall develop his own Traffic Control Plans in accordance with Section 645 of the Special Provisions for activities to complete work not covered by the Traffic Control Plans. The Contractor shall submit the Traffic Control Plans to the Engineer for acceptance. Payment for development and implementation of the Traffic Control Plans shall be included in pay item 645.1000 - Traffic Control.
- All lane closures and traffic pattern changes (detours) not shown on the plan shall be submitted to the Engineer for acceptance in accordance with Specifications Section 645 - Work Zone Traffic Control. For restrictions on lane closures, detours, construction work during peak hours, and other requirements regarding maintaining vehicular and pedestrian traffic, see Subsection 107.03 - Working Hours; Night Work and Section 645 - Work Zone Traffic Control.
- The Contractor shall make minor adjustments at intersections, driveways, bridges, structures, etc. to fit field conditions.
- Cones or delineators shall be extended to a point where they are visible to approaching traffic.
- 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.
- Flaggers and/or police officers shall be in sight of each other or in direct communications at all times.
- Sign spacings (L), taper lengths (T), and spacings of cones or delineators shall be as shown in Table 645-1 - For Traffic Control Plan of Section 645 in the Specifications, unless otherwise noted on HDOT's Traffic Control Plans.
- All traffic lanes shall be a minimum of 10 feet wide.
- All signs shall be promptly removed or covered whenever the message is not applicable or not in use.
- The backs of all signs for traffic control shall be appropriately covered to preclude the display of inapplicable sign messages (i.e., when signs have messages on both faces).
- Replace permanent pavement markings and traffic signs that are missing, damaged, or have been removed upon completion of each day's work. Payment for replacing permanent pavement markings and signs shall be considered incidental to the various contract items.
- At the end of each day's work or as soon as the work is completed, the Contractor 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.
- The locations of pavement markings, signs, and delineators used in the Traffic Control shall be as shown on the plans, Contractor's accepted Traffic Control Plans, and/or as determined in the field by the Engineer.
- Damage to signs, pavement markers, and delineators caused by the public or Contractor's negligence shall be repaired or replaced by the Contractor at no cost to the State.
- Signs for night work shall be retroreflective and shall be mounted with a Type B high intensity flasher. The flasher will be paid under Pay Item No. 645.1000-Traffic Control.
- The Contractor shall provide all sign supports, barrier mounting brackets, and/or posts for construction warning signs.

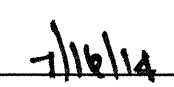
- The Contractor shall provide and maintain three (3) portable message boards to provide advanced warning of the lane closures. The message boards' location to be determined by the Engineer for each construction phase. Message boards shall display closure dates and times and shall be operational 24 hours a day for three (3) days prior to the first lane closure. Signs shall remain for the duration of the project. The Contractor shall provide appropriate traffic control devices (barricades, cones, etc.) to protect the message boards. Installation, maintenance, and removal of message boards shall be paid under Pay Item No. 645.1000 - Traffic Control.
- The Contractor shall furnish, install, maintain, and remove all traffic control devices shown on the traffic control plans. Payment for all work shown, including furnishing all police officers shown on the traffic control plans, shall be under Pay Item No. 645.1000 - Traffic Control.
- The Contractor shall maintain a buffer lane as shown on the traffic control typical sections.
- The Contractor shall sequence the work to allow access to the driveways and side streets. The Contractor shall provide all traffic control devices, including police officers, necessary to maintain driveway and side street access. In the case where a landowner has multiple vehicle access points that are internally connected, one access point may be temporarily shut down with two week notice to the landowner/lessee. The Contractor shall submit the Traffic Control Plans to the Engineer for acceptance. Payment for development and implementation of the Traffic Control Plans shall be included in pay item 645.1000 - Traffic Control.

GENERAL NOTES FOR TRAFFIC CONTROL PLAN (WITHIN CITY R/W)

- The Permittee shall make minor adjustments at intersections, driveways, bridges, structures, etc. to fit field conditions.
- Cones or delineators shall be extended to a point where they are visible to approaching traffic.
- Traffic control devices shall be installed such that the sign or device farthest from the work area is placed first. The others shall then be placed progressively toward the work area.
- Regulatory and Warning Signs within the construction zone that are in conflict with the traffic control plans shall be removed or covered.
- Flaggers and/or police officers shall be in sight of each other or in direct communication at all times.
- When required by the issuing office, the Permittee shall install a flashing arrow signal as shown on the traffic control plans.
- All traffic lanes shall be a minimum of 10 feet wide.
- All construction warning signs shall be promptly removed or covered whenever the message is not applicable or not in use.

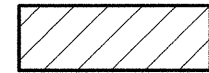
△ Approved:


Chief, Traffic-Review Branch, DPP
(for Work within City R/W only)

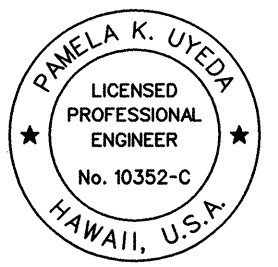
 Date

- The backs of all signs used for traffic control shall be appropriately covered to preclude the display of inapplicable sign messages (i.e., when signs have messages on both faces).
- Lane closure shall be limited only to the extent of accomplishing each day's work. As soon as each day's 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. Existing faded or obliterated pavement markings that are necessary for safe traffic flow in the construction area shall be replaced with temporary or permanent markings before opening the roadway to public traffic each day.
- Permanent pavement markings and traffic signs shall be replaced upon completion of each phase of work.
- Cones and delineators shall be spaced at a maximum distance of 20 feet apart. A minimum of six channelizing devices shall be used for each taper length.
- Driveways shall be kept open unless the owners of the property using the driveway are otherwise provided for satisfactorily. Further, the Permittee shall control traffic going into and out of driveways.
- Buffer and taper area on approach to any work area shall be kept clear of vehicles and equipment.
- A high level warning device (flag tree) shall be installed on approach to all work areas.
- "No Parking" signs shall be posted within any work area and for the buffer and taper areas approaching the work area.
- Traffic control plans are approved for work on any City street only for the days and hours shown on the Construction Phasing Schedule on sheet TC-2.

Legend:

	Work Area		Type II Barricade with Steady Burn Amber Lamps
	Traffic Cones		Type III Barricade with Flashing Warning Light
	Sign		Police Officer and Vehicle with Visible Blue Light
	Flashing Arrow Signal		Flagman

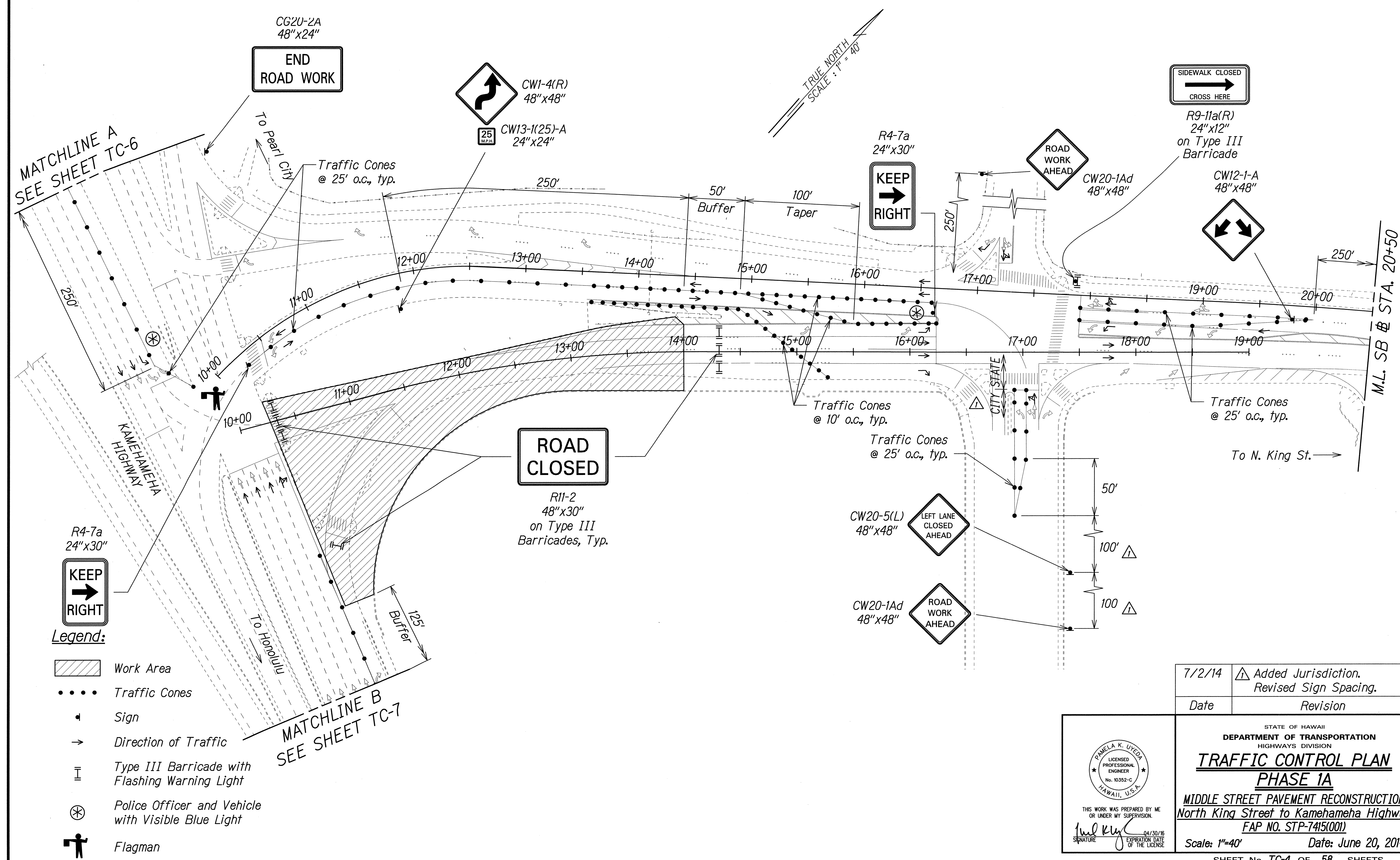
7/2/14	△ Added TRB Approval
Date	Revision

 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  04/30/16 SIGNATURE EXPIRATION DATE OF THE LICENSE	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION TRAFFIC CONTROL NOTES MIDDLE STREET PAVEMENT RECONSTRUCTION North King Street to Kamehameha Highway FAP NO. STP-7415(001) Scale: None Date: June 20, 2014
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SURVEY PLOTTED BY _____	DATE _____
DRAWN BY _____	_____
CHECKED BY _____	_____
NOTE BOOK _____	_____
_____	_____

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FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 53	173



SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
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CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

- Legend:
- Work Area
 - Traffic Cones
 - Sign
 - Direction of Traffic
 - Type III Barricade with Flashing Warning Light
 - Police Officer and Vehicle with Visible Blue Light
 - Flagman

7/2/14	Added Jurisdiction. Revised Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Pamela K. Uyeda 04/30/16
SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

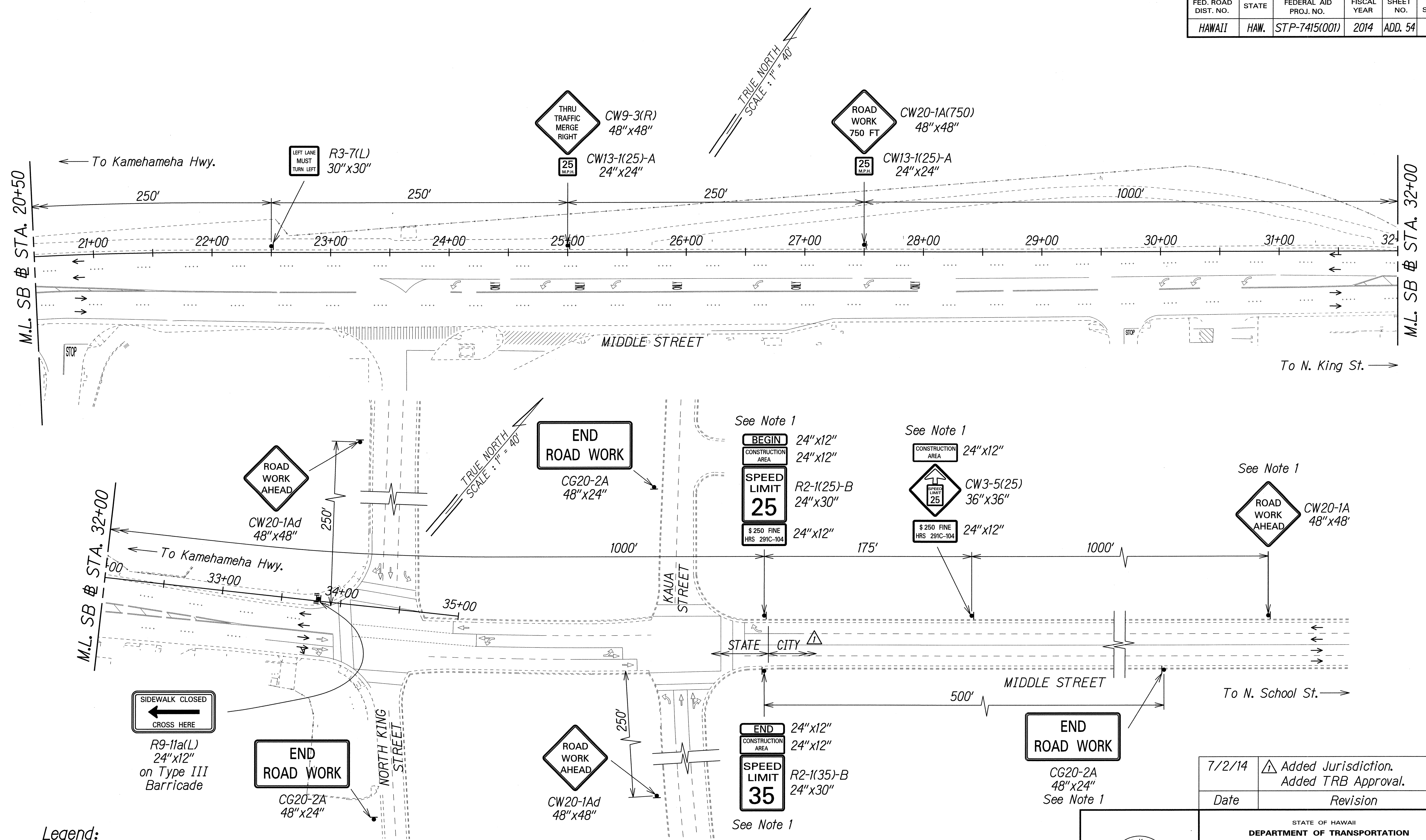
**TRAFFIC CONTROL PLAN
PHASE 1A**

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

SHEET No. TC-4 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 54	173



Legend:

- Sign
- Direction of Traffic
- Type III Barricade with Flashing Warning Light

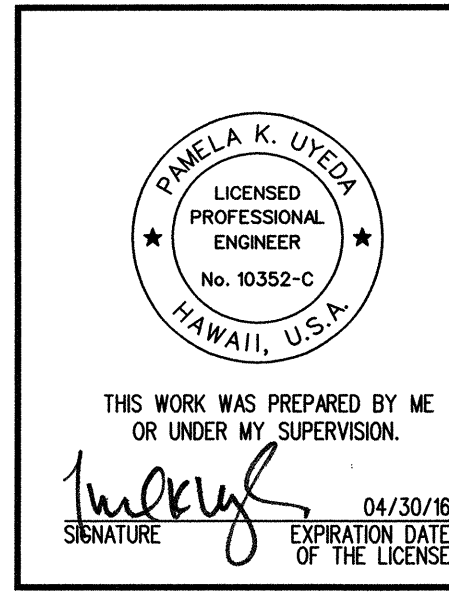
NOTE:

- Signs to remain for Traffic Control Phase 1B. See Sht. TC-3.

Approved:

Chief, Traffic Review Branch, DPP
(for Work within City R/W only)

7/2/14	Added Jurisdiction. Added TRB Approval.
Date	Revision



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 1A

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

See Note 1



- NOTE:



END
ROAD WORK

 *Approved:*

JUL 16 2014

Date _____



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OR UNDER MY SUPERVISION.

Timothy 04/30/11
SIGNATURE EXPIRATION DATE
OF THE LICENSE

TRAFFIC CONTROL PLAN

PHASE 1A
MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

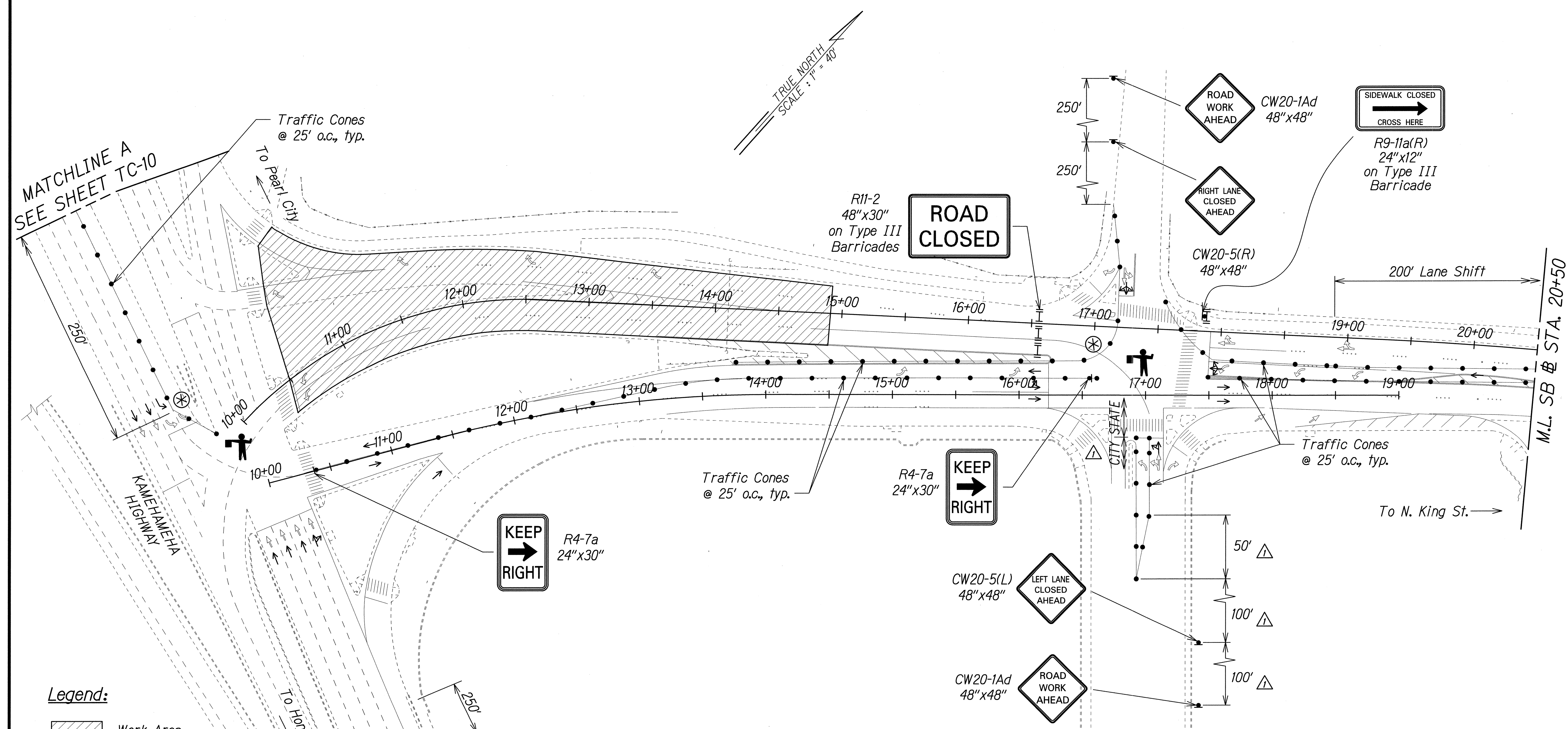
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Date: June 20, 2014

SHEET No. *TC-7* OF *58* SHEETS

ADD. 56

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 57	173



- Legend:**
- Work Area
 - Traffic Cones
 - Sign
 - Direction of Traffic
 - Type III Barricade with Flashing Warning Light
 - Police Officer and Vehicle with Visible Blue Light
 - Flagman

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N _o .	

7/2/14	Added Jurisdiction. Revised Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

P. Uyeda 04/30/16
SIGNATURE EXPIRATION DATE OF THE LICENSE

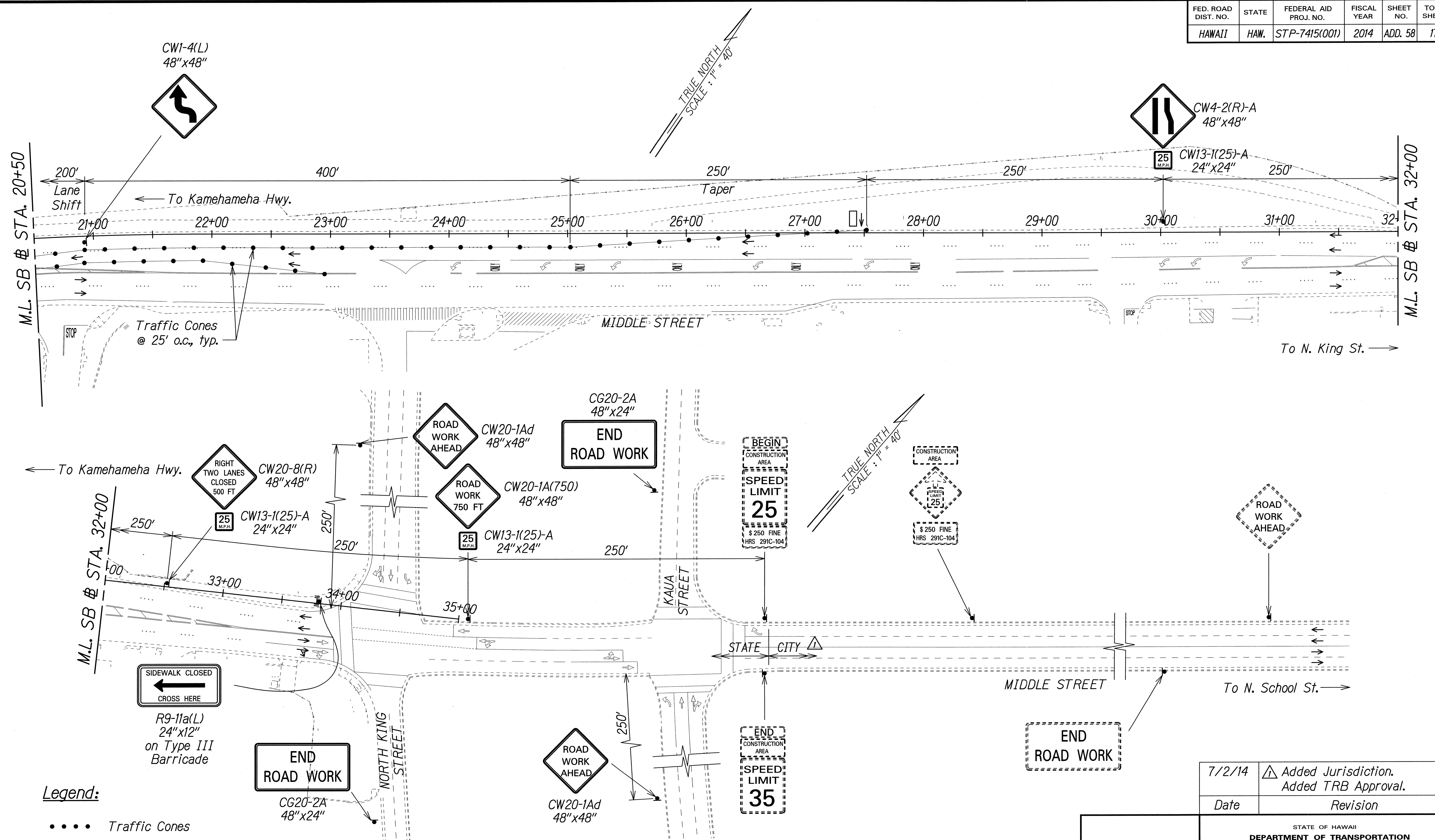
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 1B

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 58	173



- Legend:**
- Traffic Cones
 - ▲ Sign
 - Direction of Traffic
 - ⬆ Flashing Arrow Signal
 - ⊥ Type III Barricade with Flashing Warning Light

SURVEY PLOTTED BY	DATE
DRAWN BY	
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QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N _o .	

Approved:
 Chief, Traffic Review Branch, DPP
 (for Work within City R/W only)

Date: JUL 16 2014

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

1. 04/30/16
SIGNATURE EXPIRATION DATE OF THE LICENSE

7/2/14

Date

△ Added Jurisdiction.
Added TRB Approval.

Revision

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

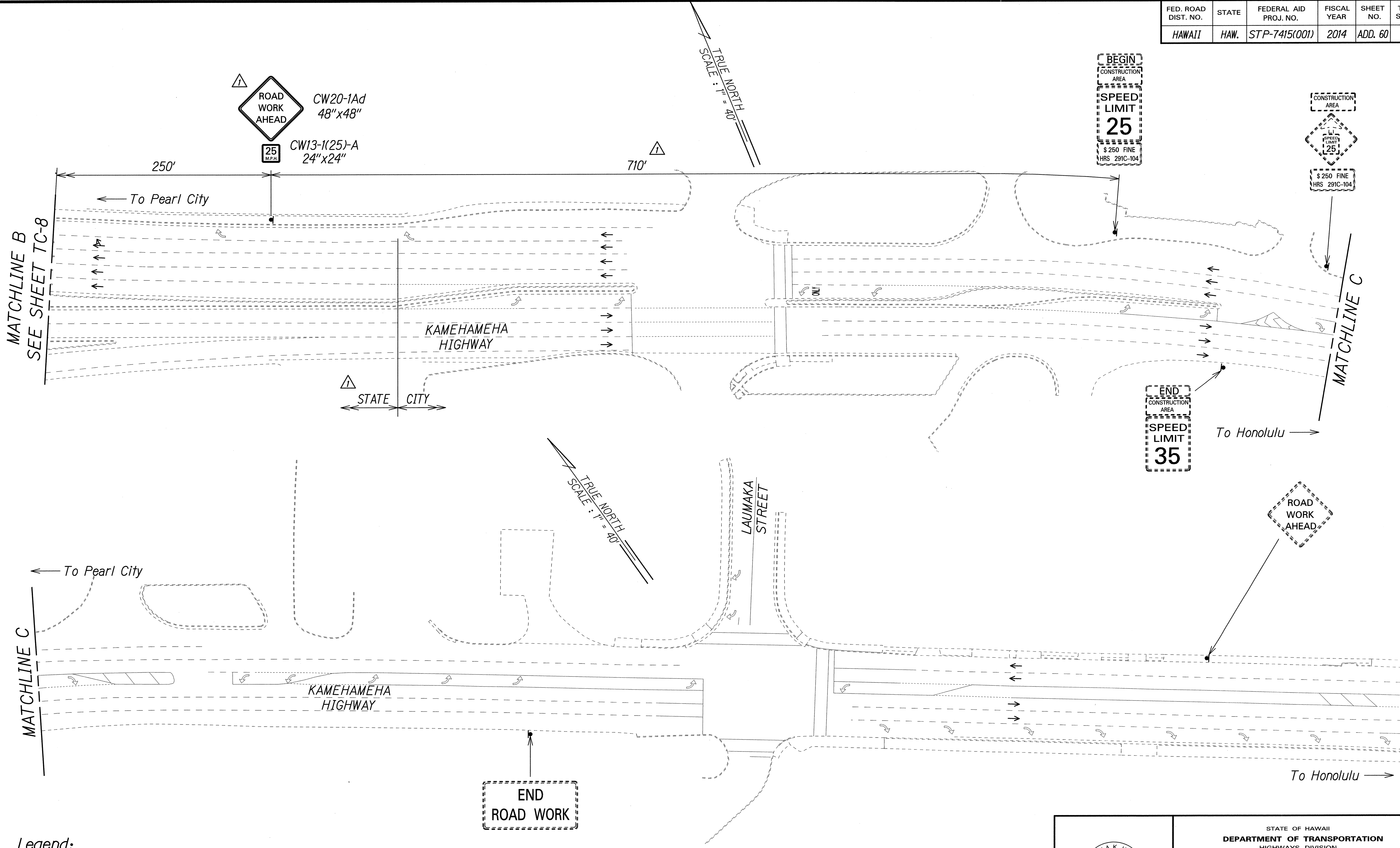
TRAFFIC CONTROL PLAN
PHASE 1B

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

SHEET No. TC-9 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 60	173



Legend:

▲ Sign

→ Direction of Traffic

△ Approved:

[Signature]

Chief, Traffic Review Branch, DPP *aw* Date JUL 16 2014
(for Work within City R/W only)

7/2/14	△ Added Jurisdiction. Added TRB Approval. Revised Sign and Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

[Signature] 04/30/16
SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 1B

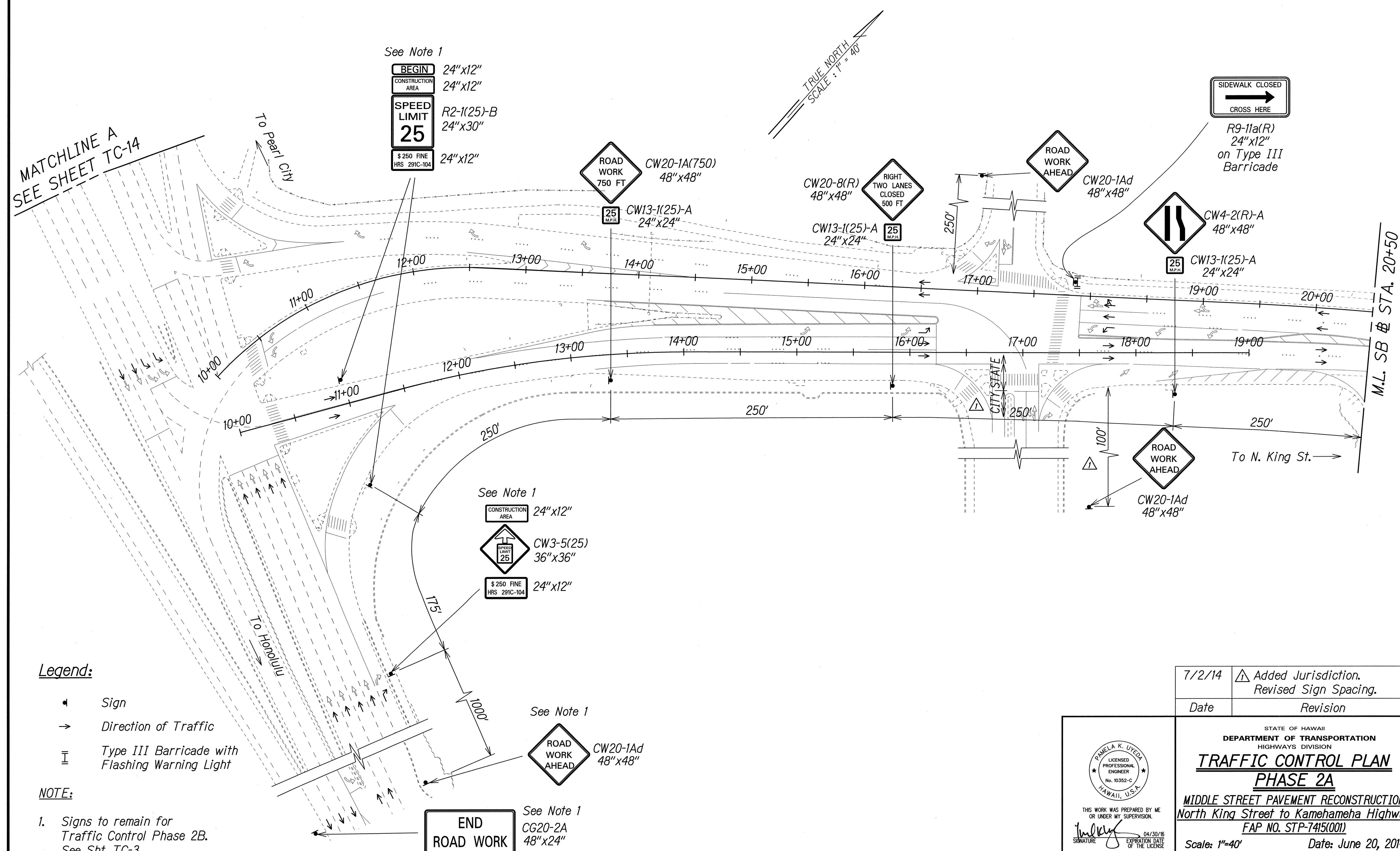
MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

SHEET No. TC-11 OF 58 SHEETS

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ORIGINAL PLAN	
NOTE BOOK	
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FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 61	173



Legend:

- Sign
- Direction of Traffic
- Type III Barricade with Flashing Warning Light

NOTE:

- Signs to remain for Traffic Control Phase 2B. See Sht. TC-3.

7/2/14	Added Jurisdiction. Revised Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE: *Pamela K. Uyeda* EXPIRATION DATE OF THE LICENSE: 04/30/16

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

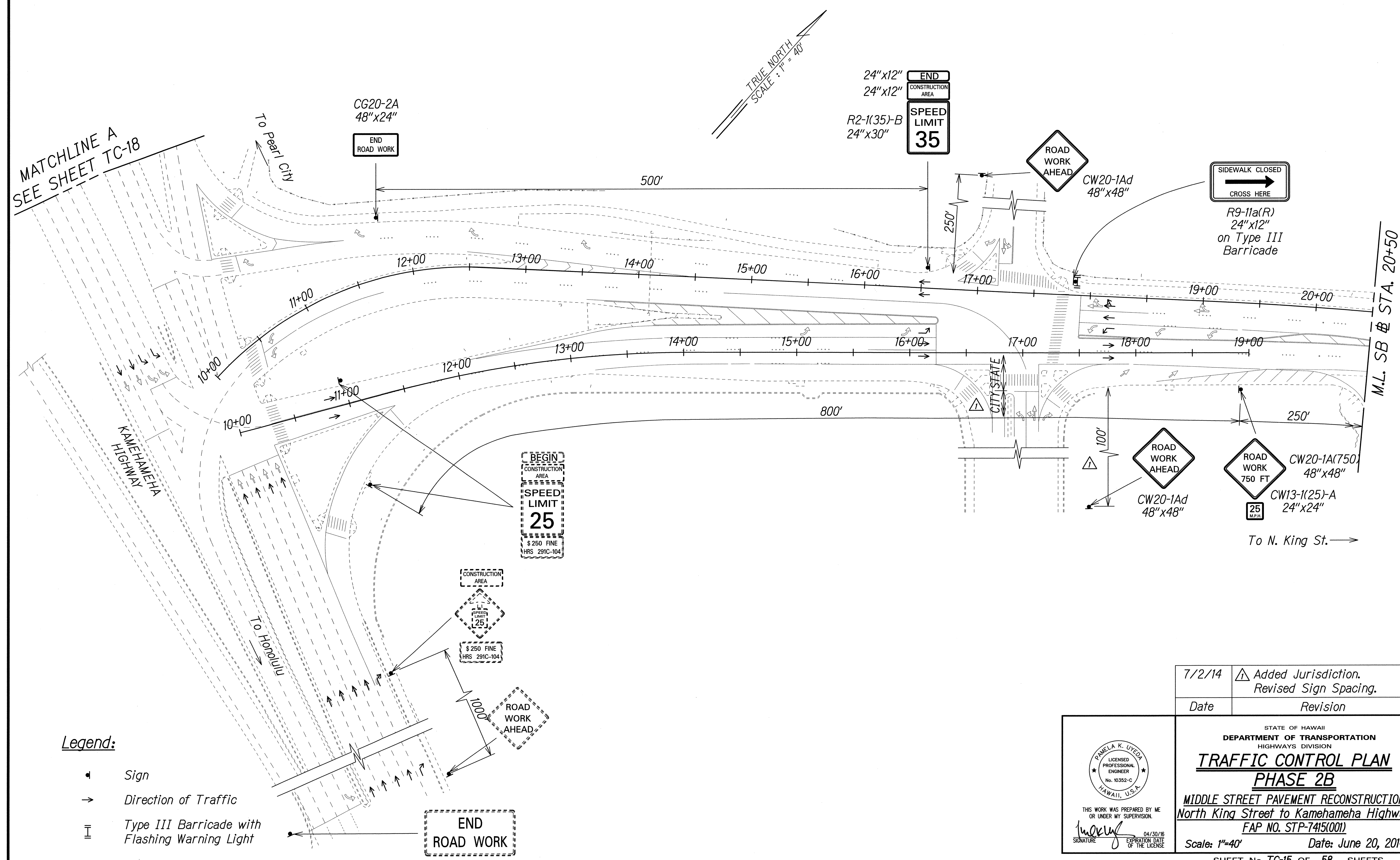
**TRAFFIC CONTROL PLAN
PHASE 2A**

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

SHEET No. TC-12 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 64	173



- Legend:**
- ◀ Sign
 - Direction of Traffic
 - ⊥ Type III Barricade with Flashing Warning Light

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
QUANTITIES BY	
NOTE BOOK	
N.	

7/2/14	Added Jurisdiction. Revised Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE: *Pamela K. Uyeda* EXPIRATION DATE OF THE LICENSE: 04/30/16

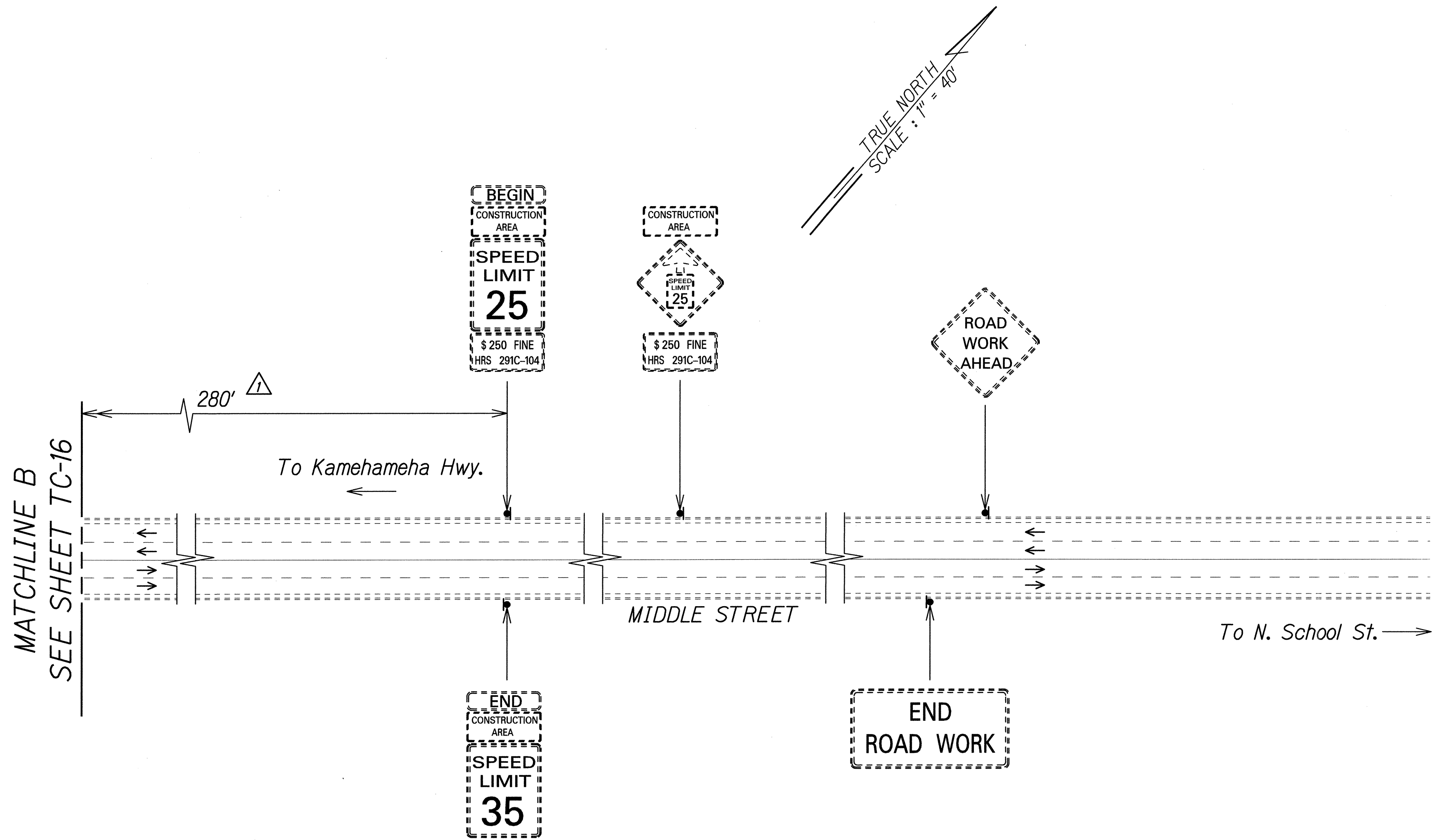
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 2B

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 66	173



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

Legend:

▲ Sign

→ Direction of Traffic

▲ Approved: *[Signature]* JUL 16 2014

Chief, Traffic Review Branch, DPP *ow* Date

(for Work within City R/W only)

7/2/14	▲ Added TRB Approval. Revised Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

[Signature] 04/30/16

SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN

PHASE 2B

MIDDLE STREET PAVEMENT RECONSTRUCTION

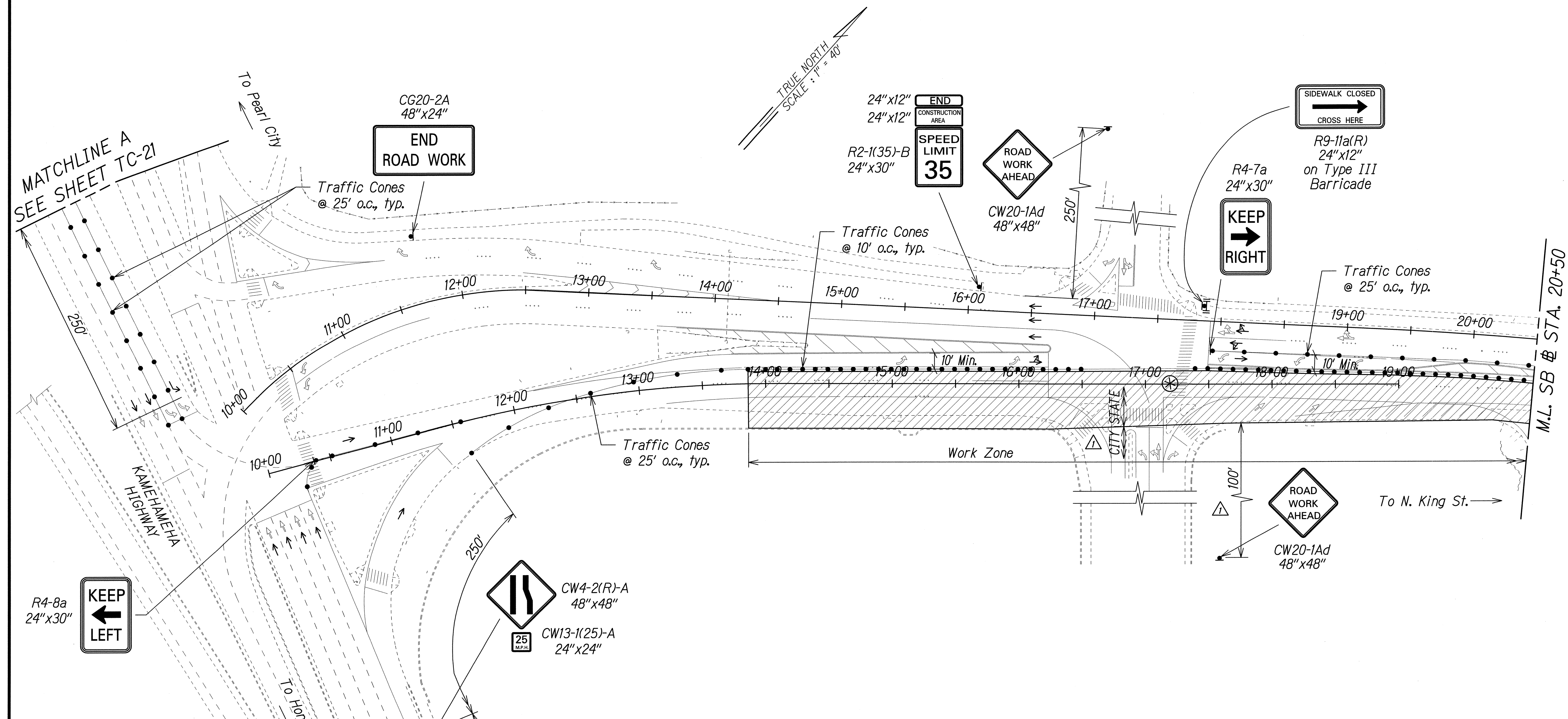
North King Street to Kamehameha Highway

FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

SHEET No. TC-17 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 68	173



- Legend:**
- Work Area
 - Traffic Cones
 - Sign
 - Direction of Traffic
 - Police Officer and Vehicle with Visible Blue Light
 - Type III Barricade with Flashing Warning Light

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
QUANTITIES BY	
NOTED BY	
NO.	

7/2/14	Added Jurisdiction. Revised Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Pamela K. Uyeda 04/30/16
SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

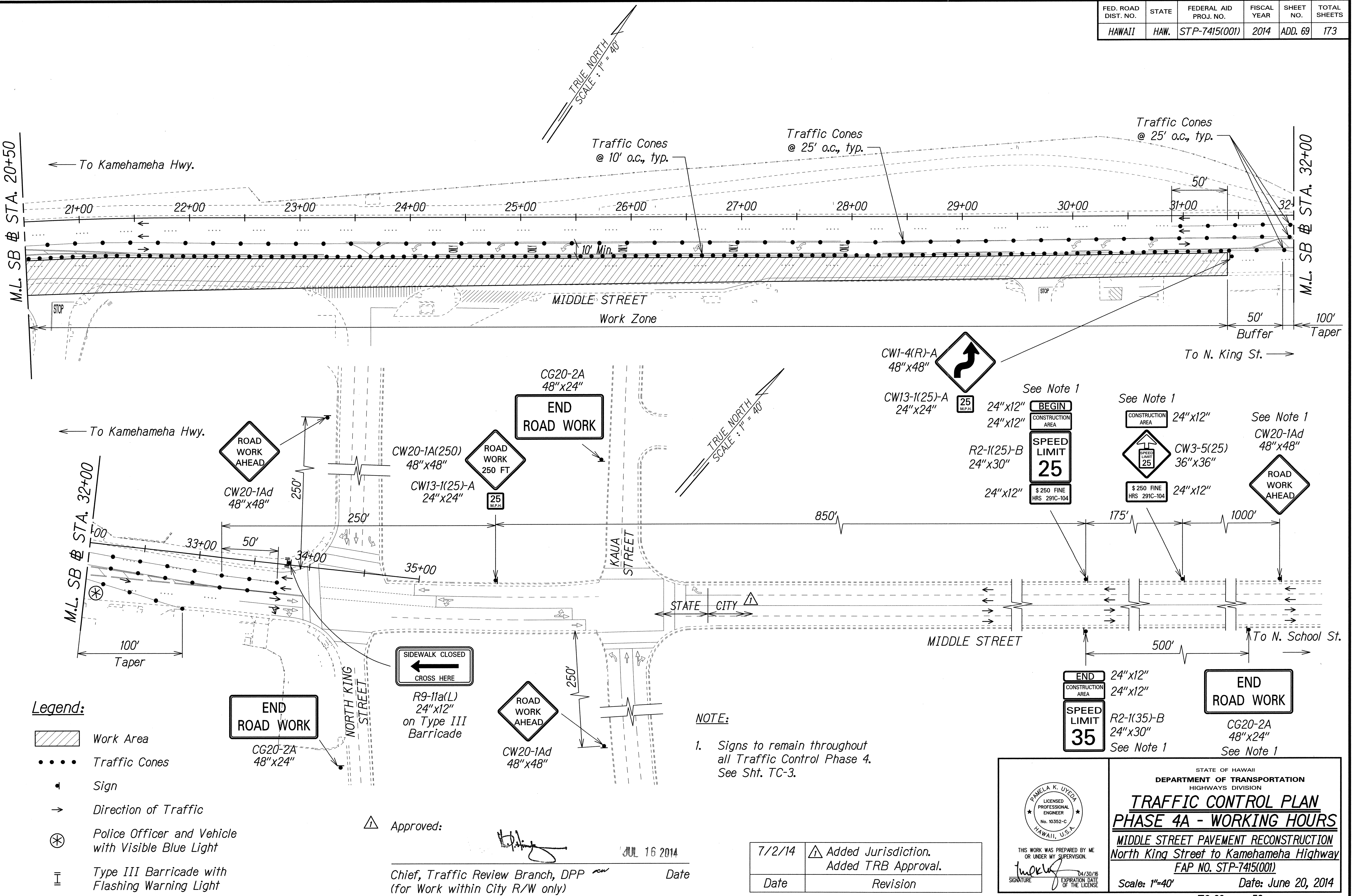
TRAFFIC CONTROL PLAN
PHASE 4A - WORKING HOURS

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

SHEET No. TC-19 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 69	173



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

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE: *[Signature]* EXPIRATION DATE OF LICENSE: 04/30/16

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

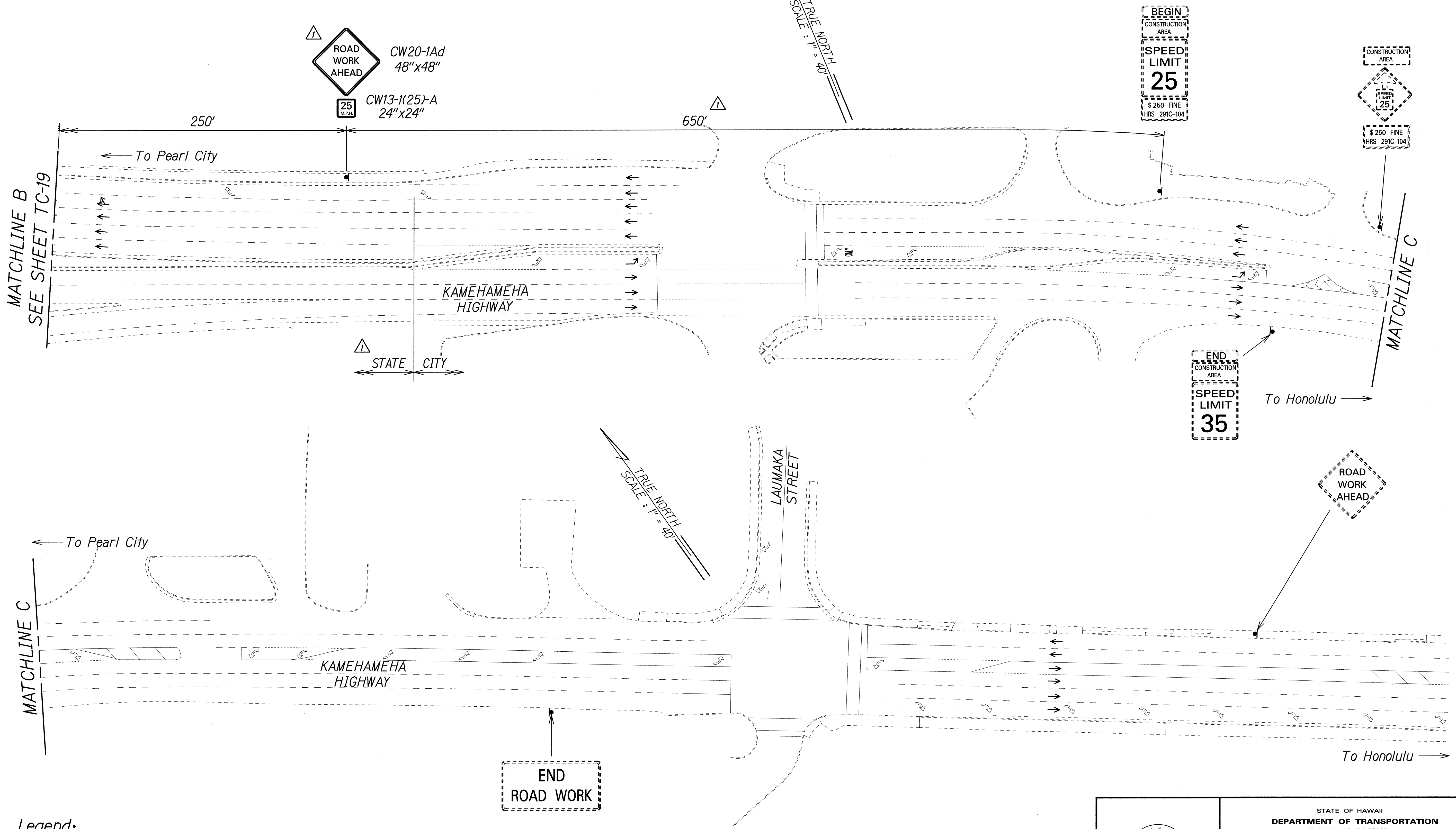
TRAFFIC CONTROL PLAN
PHASE 4A - WORKING HOURS

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

SHEET No. TC-20 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 71	173



- Legend:**
- ▲ Sign
 - Direction of Traffic

Approved:
 Chief, Traffic Review Branch, DPP *for Work within City R/W only*
 Date: JUL 16 2014

7/2/14	Added Jurisdiction. Added TRB Approval. Revised Sign and Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE: EXPIRATION DATE OF THE LICENSE: 04/30/16

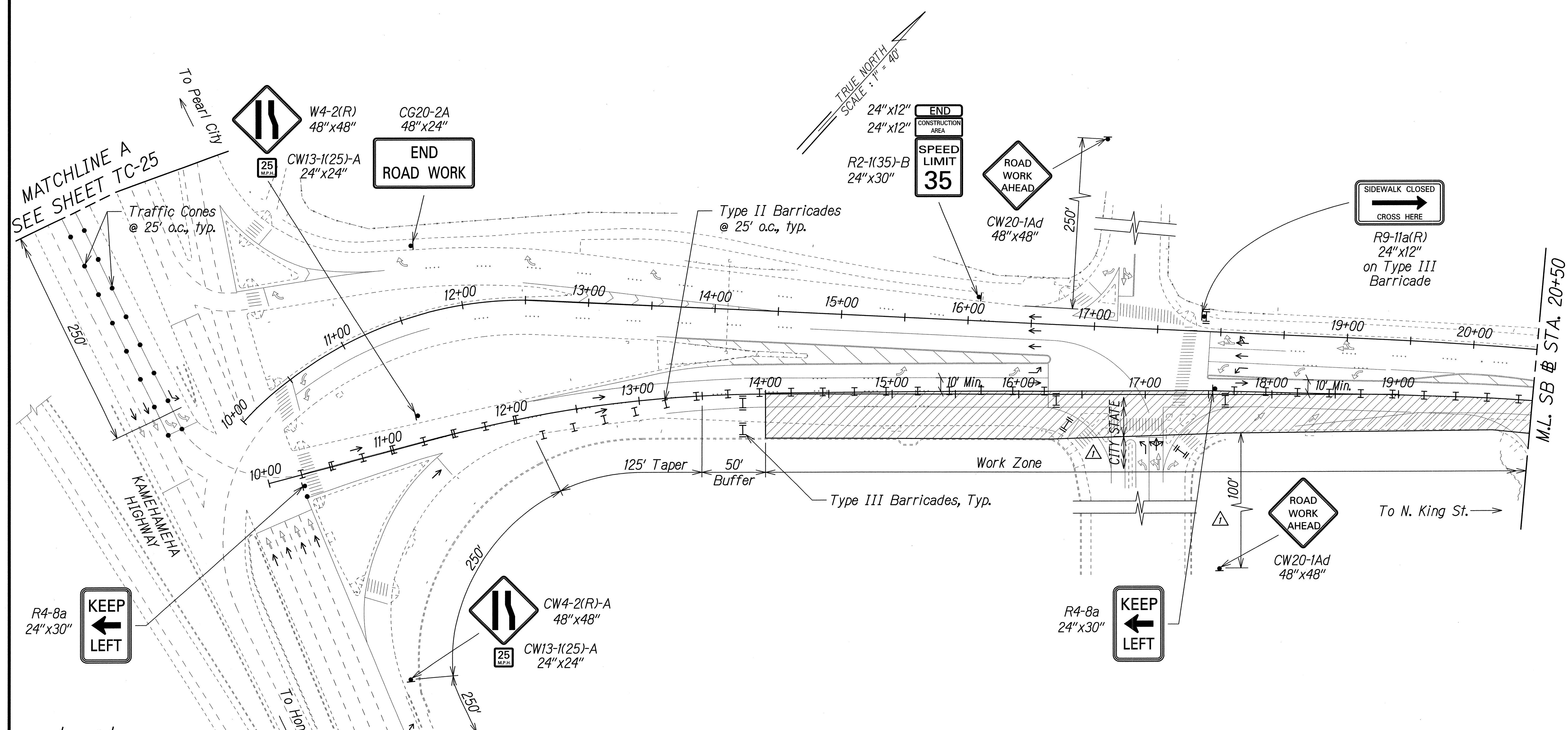
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4A - WORKING HOURS
MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 72	173



- Legend:**
- Work Area
 - Traffic Cones
 - Sign
 - Direction of Traffic
 - Type II Barricade with Steady Burn Amber Lamps
 - Type III Barricade with Flashing Warning Light

NOTE:
Contractor shall monitor project area during non-working hours to ensure that traffic control devices are properly maintained. Payment shall be considered incidental to Pay Item 645.1000 - Traffic Control.

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

7/2/14	Added Jurisdiction. Revised Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
SIGNATURE: *Pamela K. Ueda* EXPIRATION DATE OF THE LICENSE: 04/30/16

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4A - NON WORKING HOURS
MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

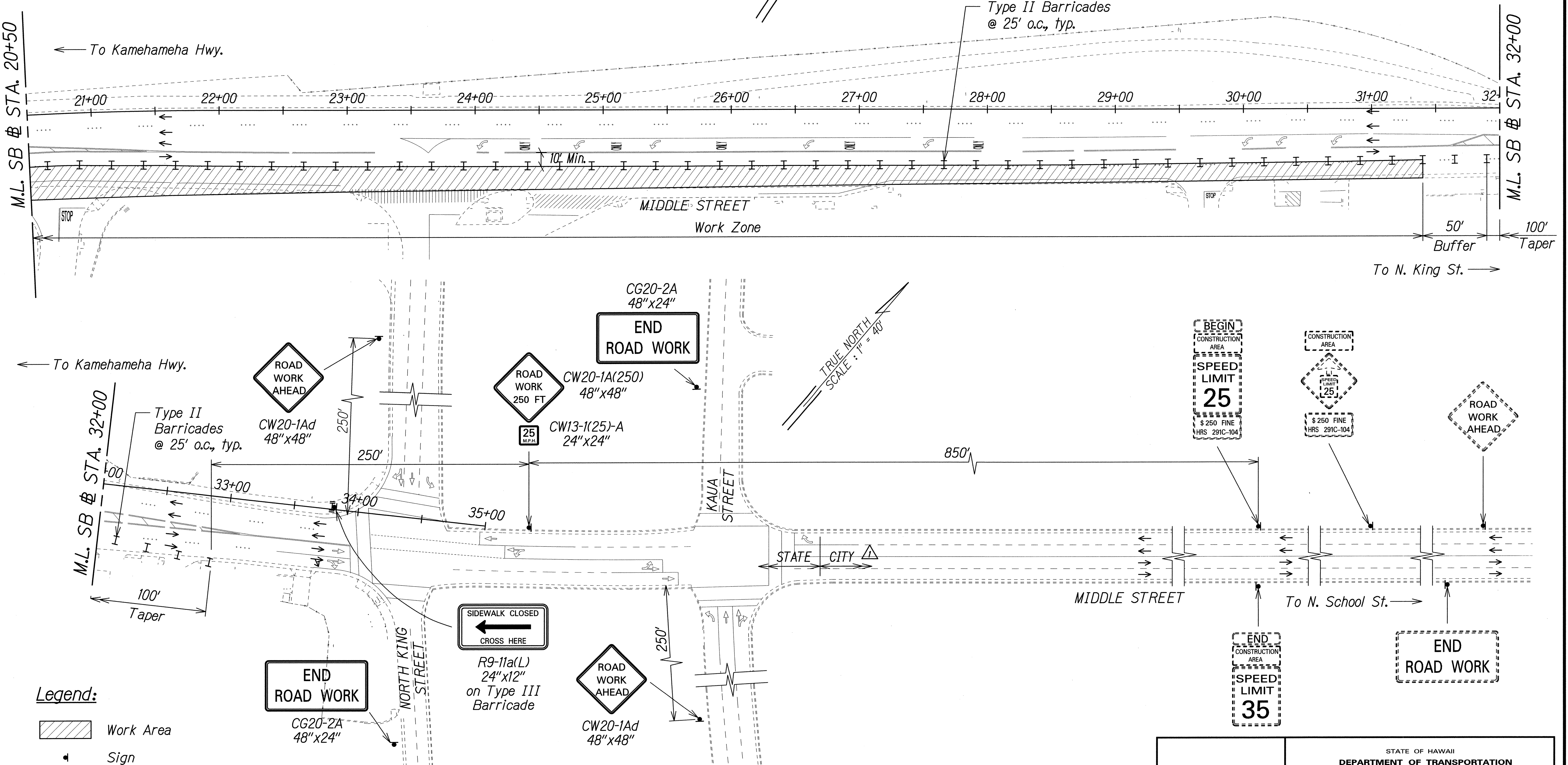
Scale: 1"=40' Date: June 20, 2014

SHEET No. TC-23 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 73	173

NOTE:

Contractor shall monitor project area during non-working hours to ensure that traffic control devices are properly maintained. Payment shall be considered incidental to Pay Item 645.1000 - Traffic Control.



Legend:

- Work Area
- Sign
- Direction of Traffic
- Type II Barricade with Steady Burn Amber Lamps
- Type III Barricade with Flashing Warning Light

Approved:

Chief, Traffic Review Branch, DPP
(for Work within City R/W only)

JUL 16 2014

7/2/14	Added Jurisdiction. Added TRB Approval.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE: *Pamela K. Uyeda* EXPIRATION DATE OF THE LICENSE: 04/30/16

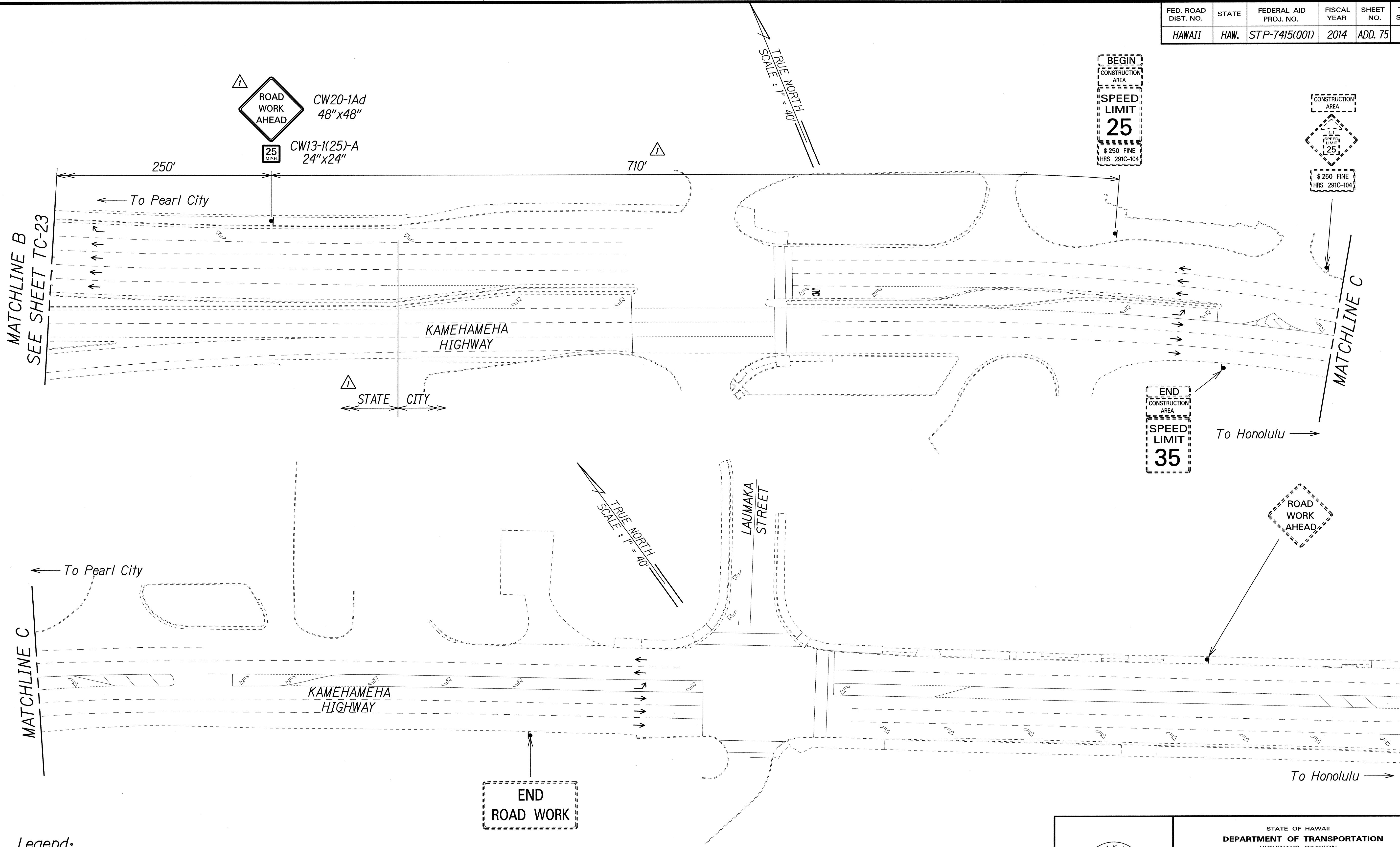
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4A - NON WORKING HOURS

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 75	173



- Legend:**
- ▲ Sign
 - Direction of Traffic

▲ Approved:
 Chief, Traffic Review Branch, DPP
 (for Work within City R/W only)
 Date: JUL 16 2014

7/2/14	▲ Added Jurisdiction. Added TRB Approval. Revised Sign and Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

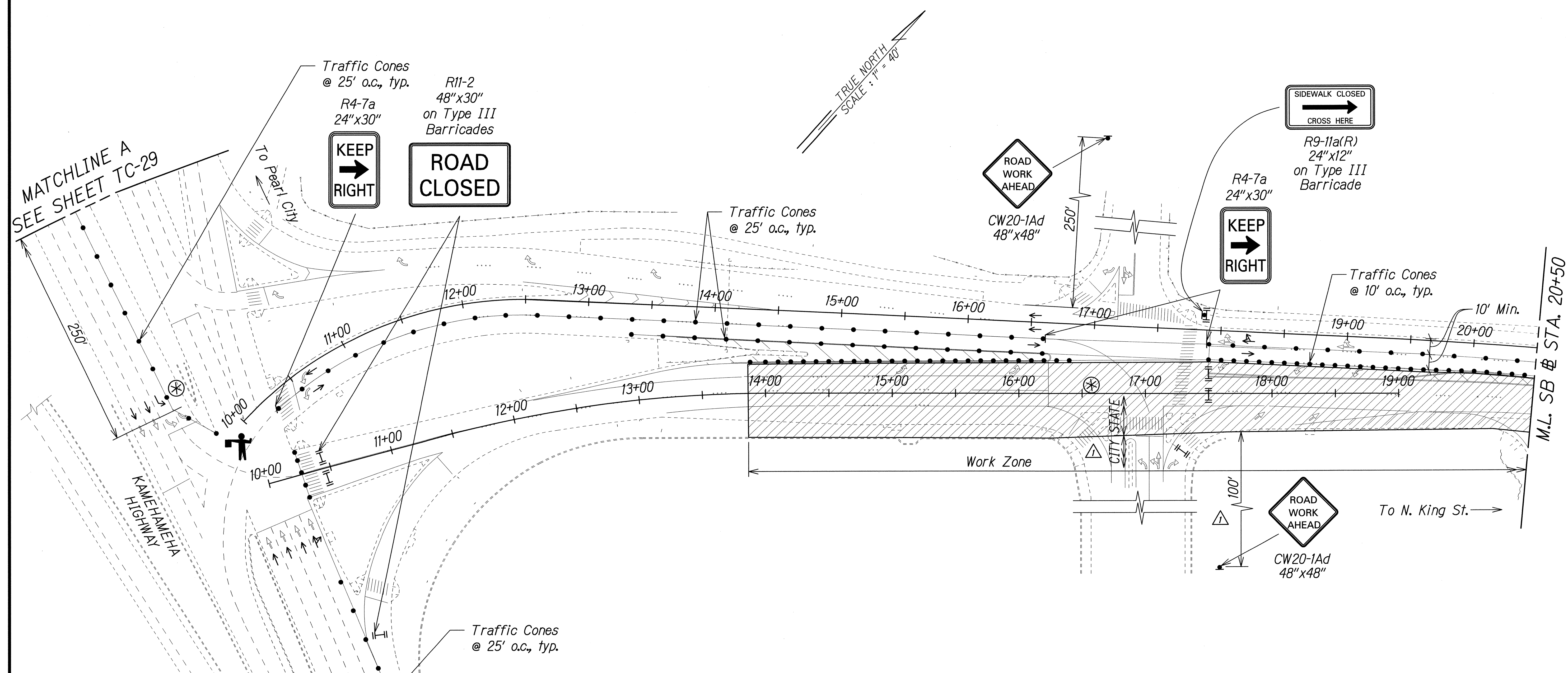
Signature: *Pamela K. Uyeda* Date: 04/30/15

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4A - NON WORKING HOURS
MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 76	173



Legend:

- Work Area
- Traffic Cones
- Sign
- Direction of Traffic
- Type III Barricade with Flashing Warning Light
- Flashing Arrow Signal
- Police Officer and Vehicle with Visible Blue Light
- Flagman

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

7/2/14	Added Jurisdiction. Revised Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Pamela K. Uyeda
SIGNATURE

04/30/16
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4B - WORKING HOURS

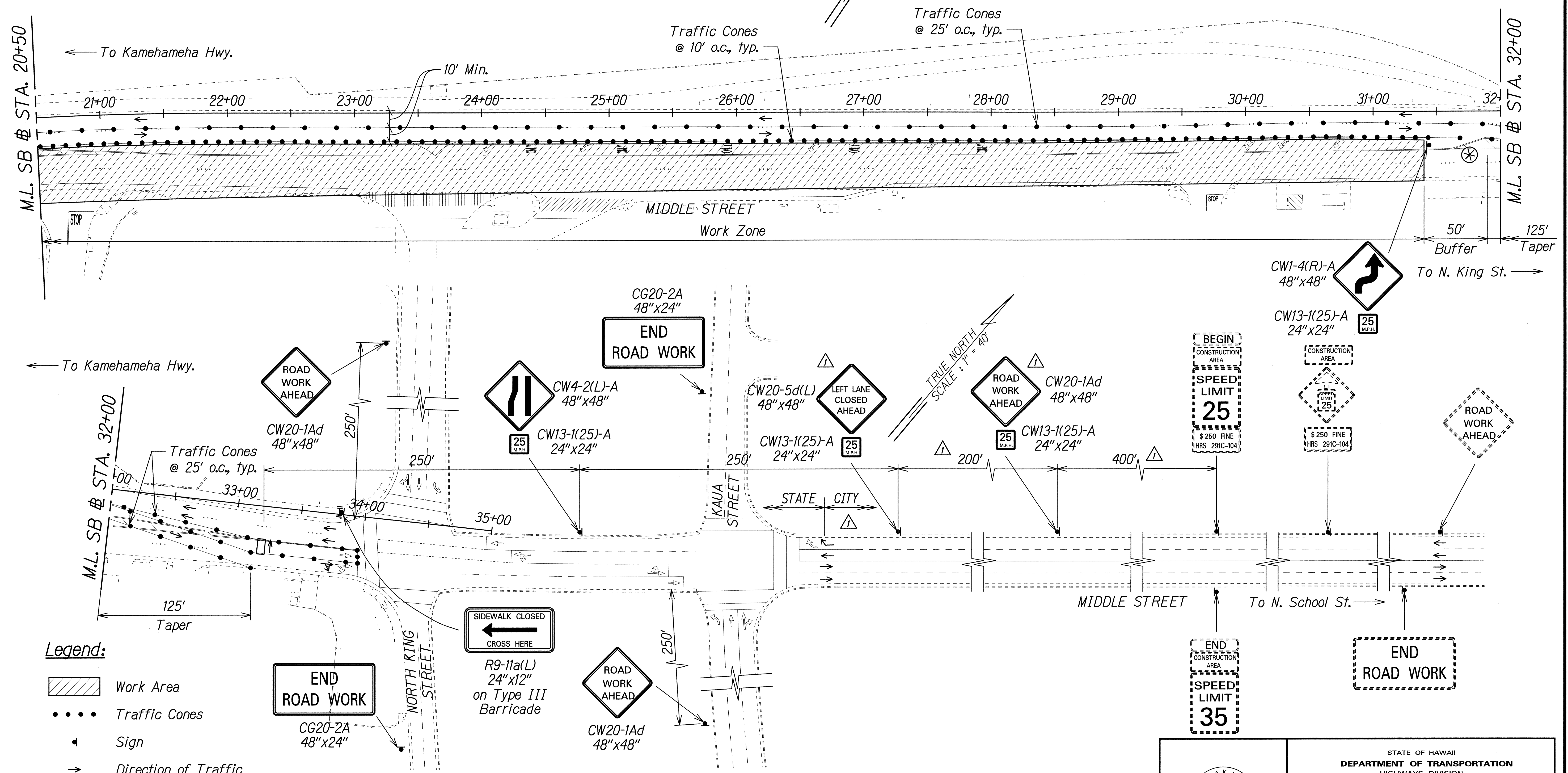
MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

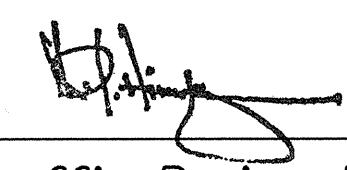
SHEET No. TC-27 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 77	173

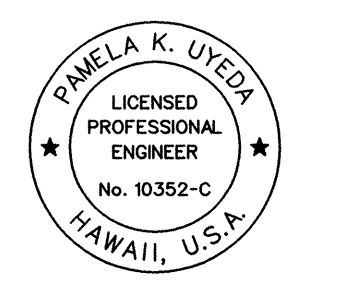
NOTE:
Contractor shall monitor project area during non-working hours to ensure that traffic control devices are properly maintained. Payment shall be considered incidental to Pay Item 645.1000 - Traffic Control.

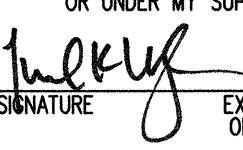


- Legend:
- Work Area
 - Traffic Cones
 - Sign
 - Direction of Traffic
 - Police Officer and Vehicle with Visible Blue Light
 - Type III Barricade with Flashing Warning Light
 - Flashing Arrow Signal

Approved:  JUL 16 2014
Chief, Traffic Review Branch, DPP
(for Work within City R/W only)

7/2/14	Added Jurisdiction. Added TRB Approval. Revised Sign and Sign Spacing.
Date	Revision



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
SIGNATURE:  EXPIRATION DATE OF THE LICENSE: 04/30/16

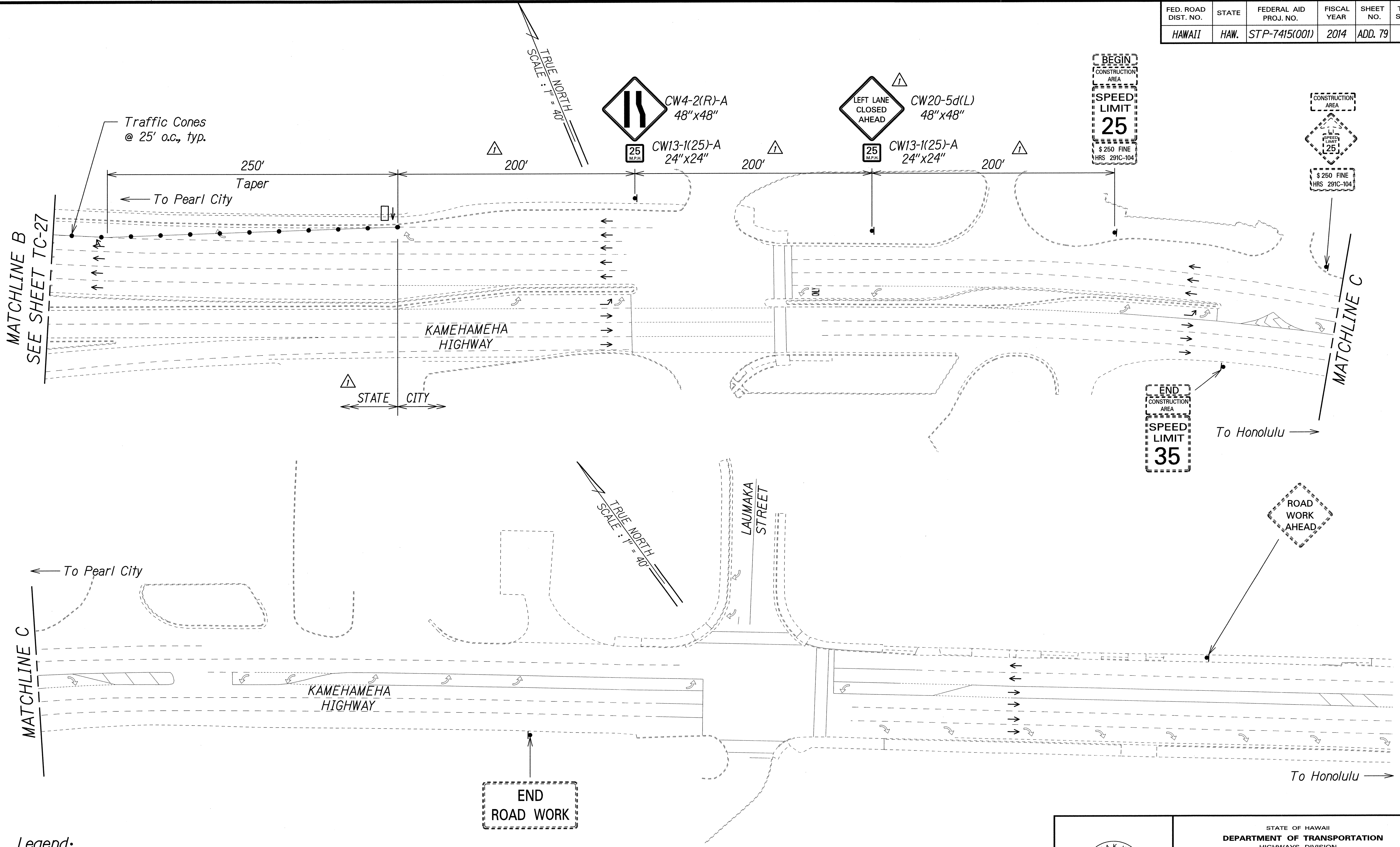
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4B - WORKING HOURS
MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

SHEET No. TC-28 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 79	173



- Legend:**
- Traffic Cones
 - ▲ Sign
 - Direction of Traffic
 - ⬆ Flashing Arrow Signal

▲ Approved:

 Chief, Traffic Review Branch, DPP
 (for Work within City R/W only)
 Date: JUL 16 2014

7/2/14	▲ Added Jurisdiction. Added TRB Approval. Revised Sign and Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature: _____ Date: 04/30/16

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4B - WORKING HOURS

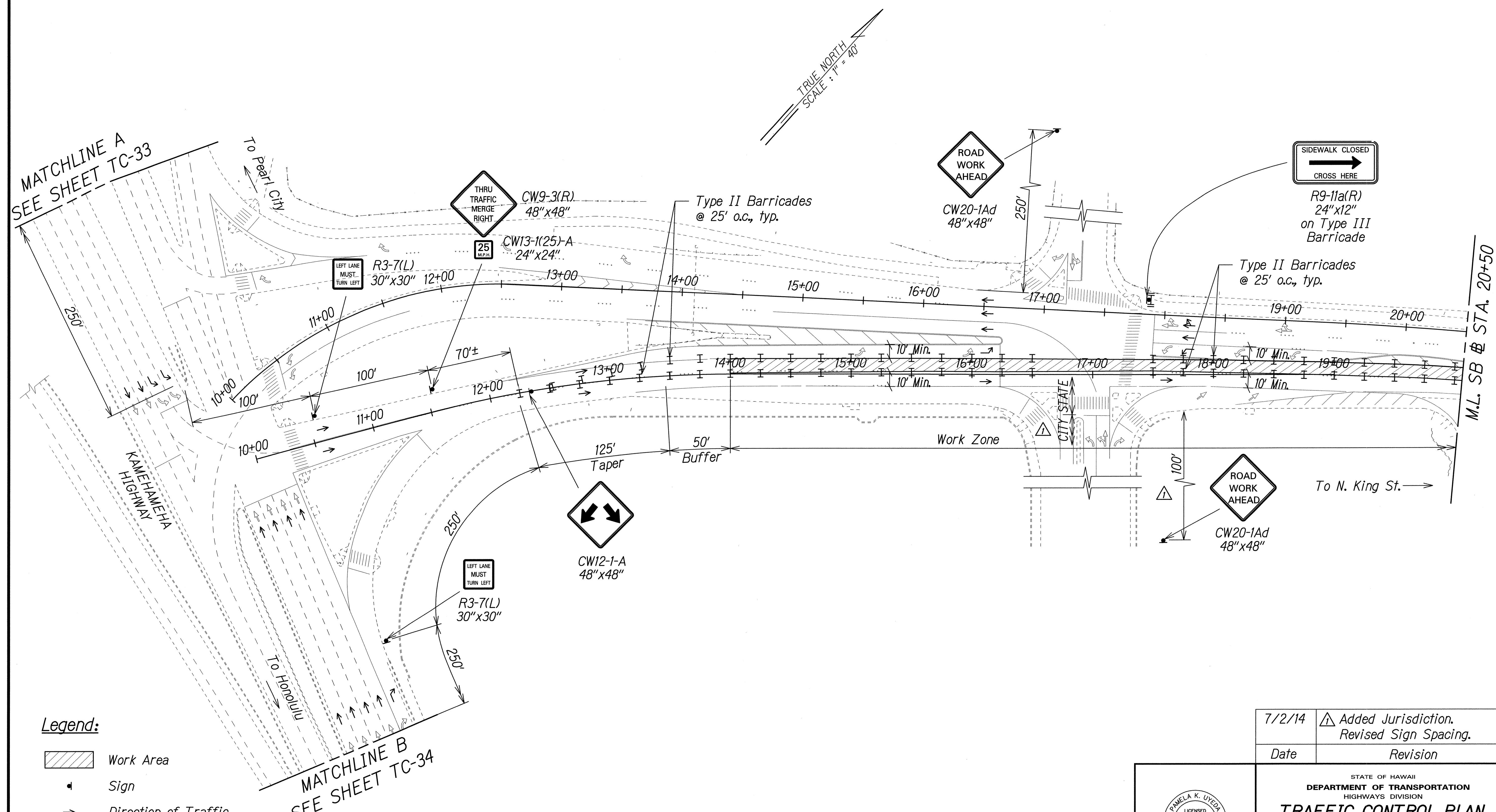
MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

SHEET No. TC-30 OF 58 SHEETS

SURVEY PLOTTED BY _____	DATE _____
DRAWN BY _____	
CHECKED BY _____	
NOTE BOOK _____	
QUANTITIES BY _____	
CHECKED BY _____	

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 80	173



- Legend:**
- Work Area
 - Sign
 - Direction of Traffic
 - Type II Barricade with Steady Burn Amber Lamps
 - Type III Barricade with Flashing Warning Light

NOTE:
Contractor shall monitor project area during non-working hours to ensure that traffic control devices are properly maintained. Payment shall be considered incidental to Pay Item 645.1000 - Traffic Control.

7/2/14	Added Jurisdiction. Revised Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
SIGNATURE: *P. Uyeda* EXPIRATION DATE OF THE LICENSE: 04/30/16

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4B - NON WORKING HOURS
MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

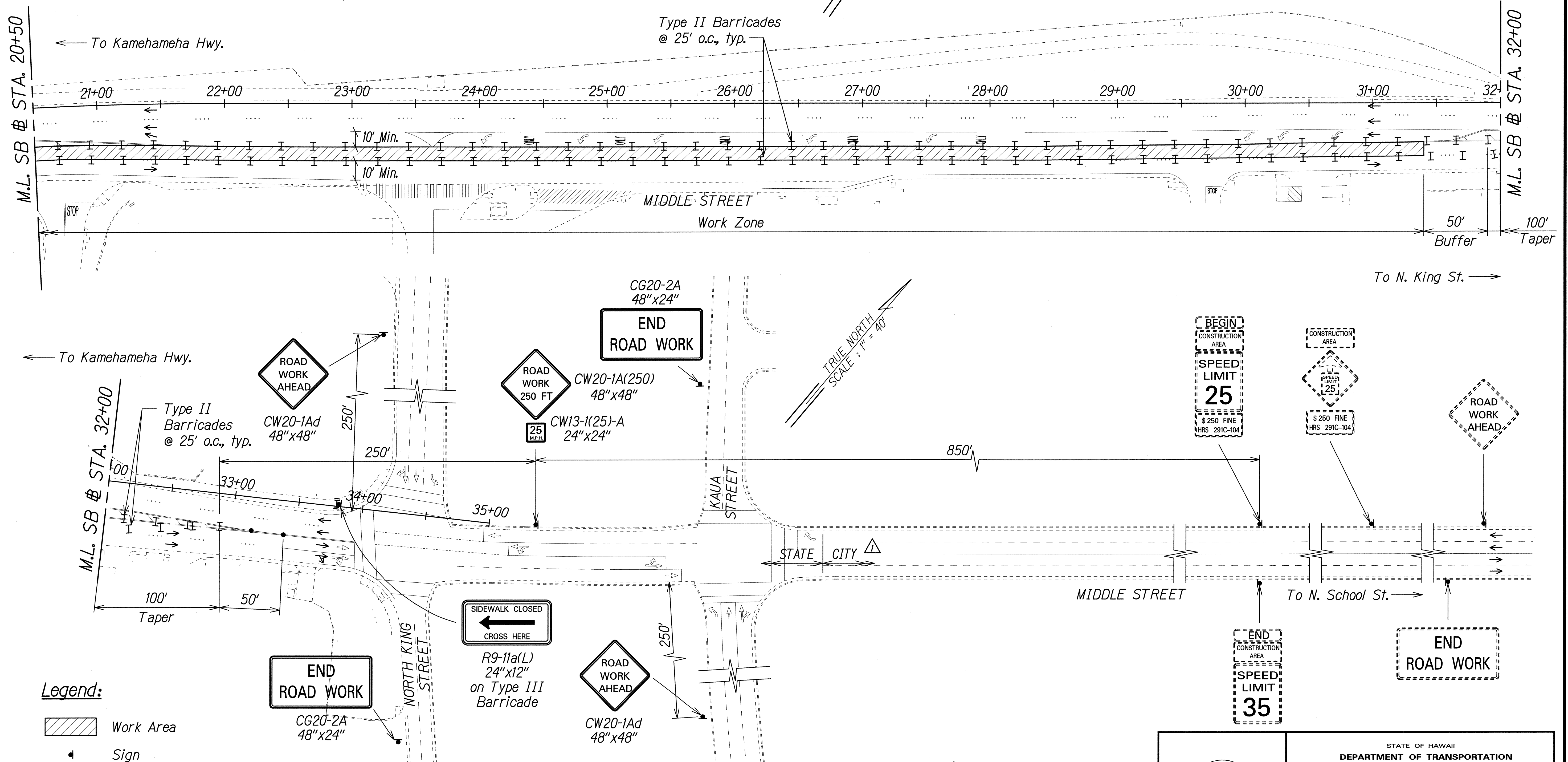
SHEET No. TC-31 OF 58 SHEETS

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

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 81	173

NOTE:

Contractor shall monitor project area during non-working hours to ensure that traffic control devices are properly maintained. Payment shall be considered incidental to Pay Item 645.1000 - Traffic Control.



Legend:

- Work Area
- Sign
- Direction of Traffic
- Type II Barricade with Steady Burn Amber Lamps
- Type III Barricade with Flashing Warning Light

Approved:

Chief, Traffic Review Branch, DPP
(for Work within City R/W only)

JUL 16 2014

7/2/14	Added Jurisdiction. Added TRB Approval.
Date	Revision

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4B - NON WORKING HOURS
MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

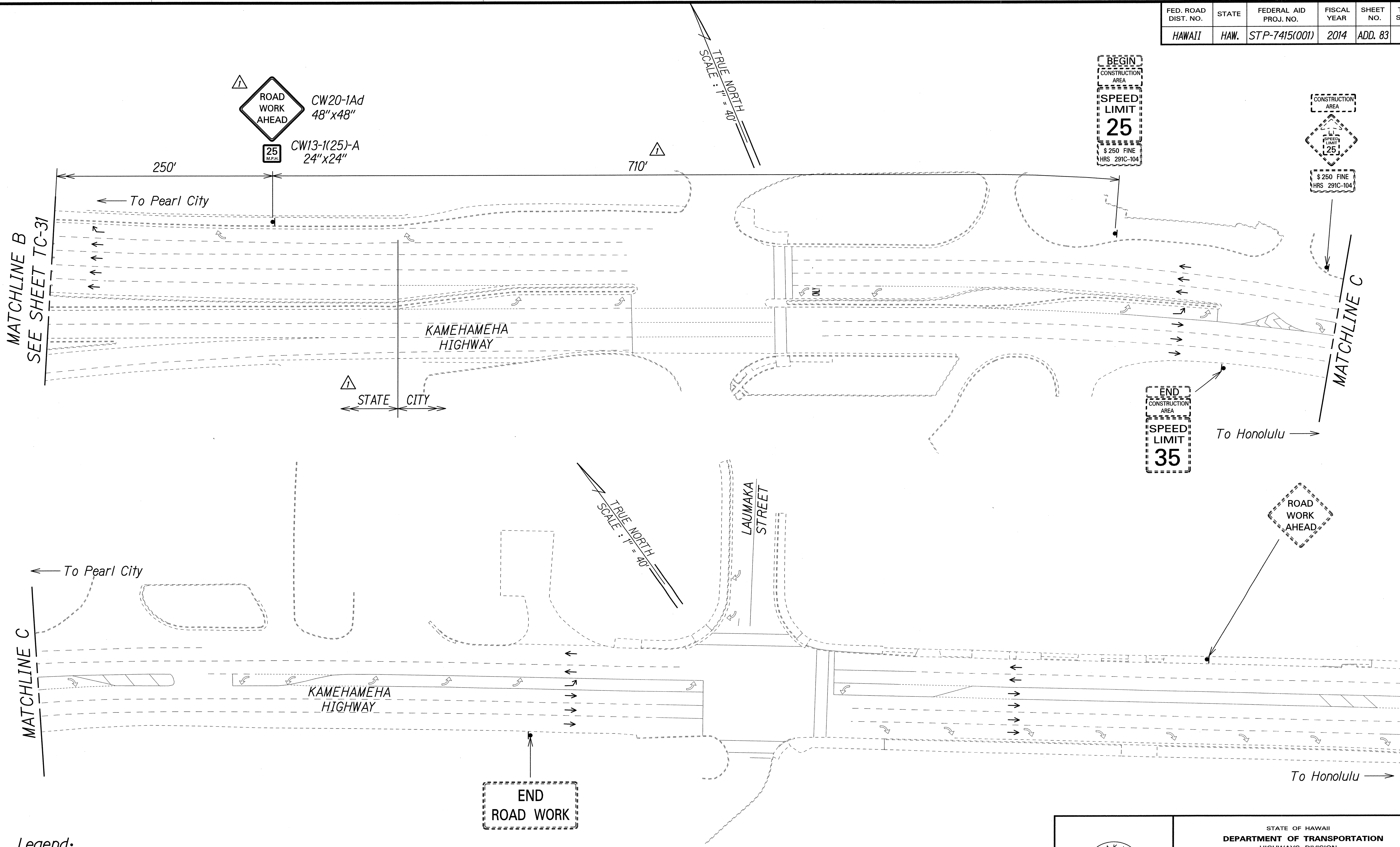
SHEET No. TC-32 OF 58 SHEETS

PAMELA K. UYEDA
LICENSED PROFESSIONAL ENGINEER
No. 10352-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE EXPIRATION DATE OF THE LICENSE

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 83	173



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

- Legend:**
- ▲ Sign
 - Direction of Traffic

▲ Approved:

[Signature] JUL 16 2014
 Chief, Traffic Review Branch, DPP
 (for Work within City R/W only)

7/2/14	▲ Added Jurisdiction. Added TRB Approval. Revised Sign and Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

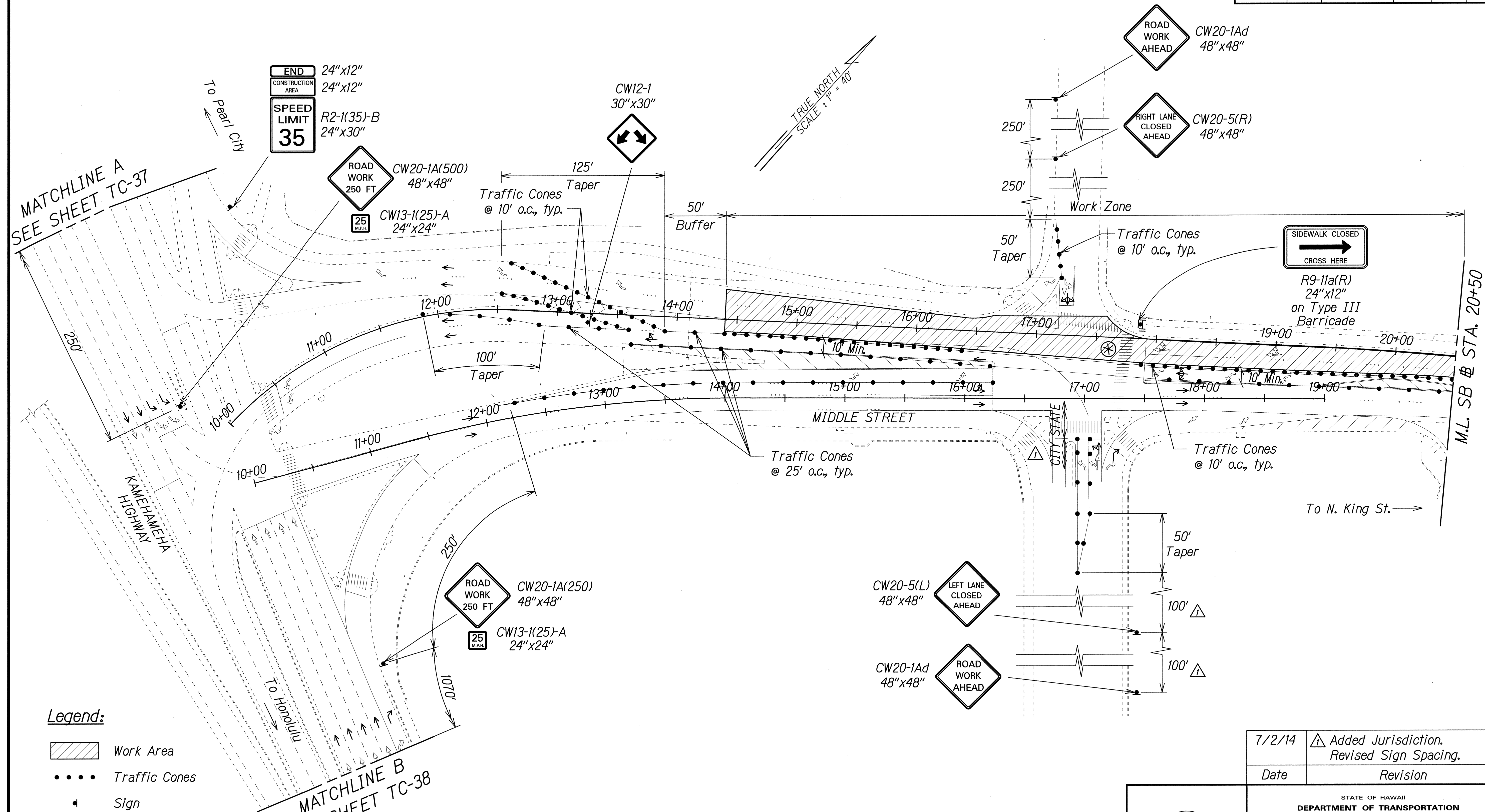
[Signature] 04/30/16
 SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4B - NON WORKING HOURS
MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 84	173



- Legend:**
- Work Area
 - Traffic Cones
 - Sign
 - Direction of Traffic
 - Police Officer and Vehicle with Visible Blue Light
 - Type III Barricade with Flashing Warning Light

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

7/2/14	Added Jurisdiction. Revised Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Pamela K. Uyeda 04/30/16
SIGNATURE EXPIRATION DATE OF THE LICENSE

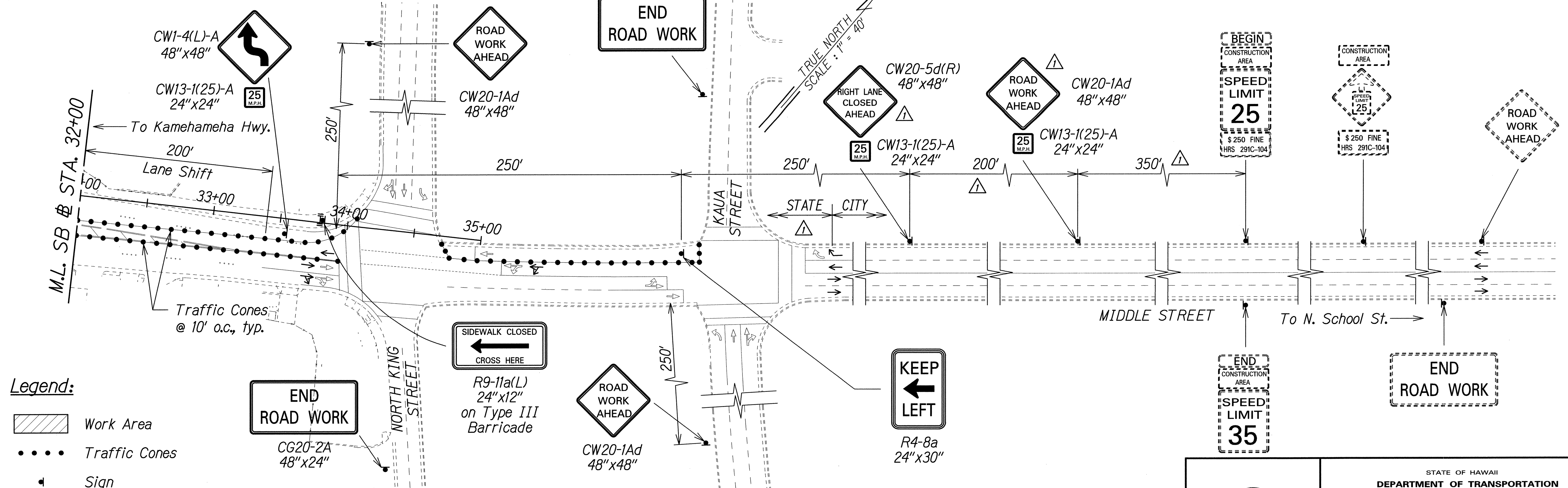
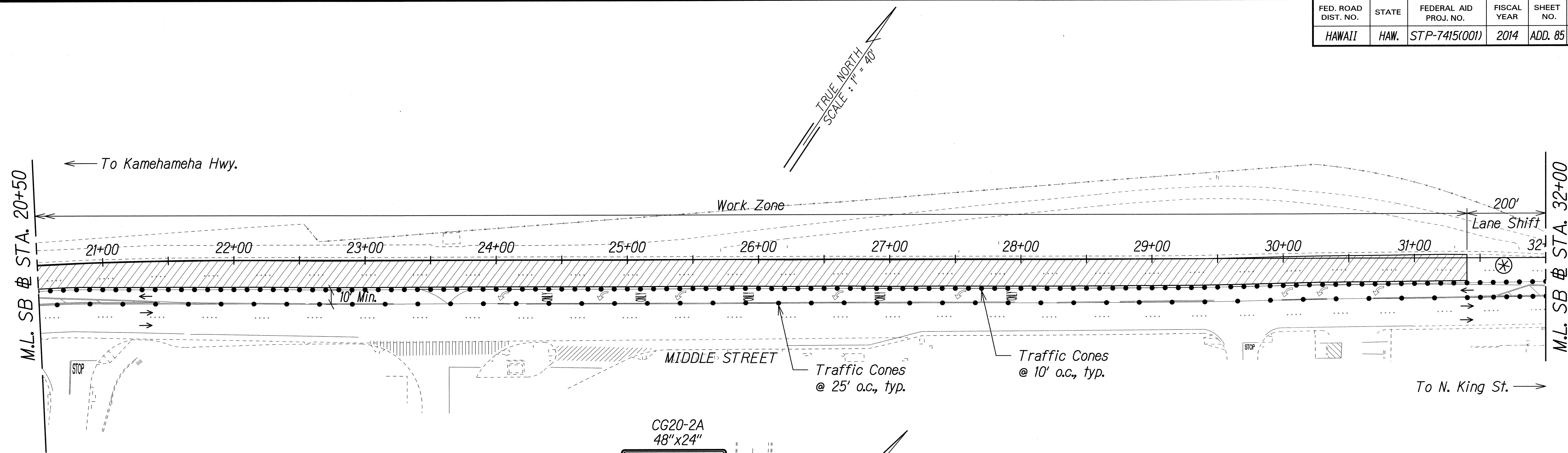
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**TRAFFIC CONTROL PLAN
PHASE 4C - WORKING HOURS**

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 85	173



- Legend:**
- Work Area
 - Traffic Cones
 - Sign
 - Direction of Traffic
 - Type III Barricade with Flashing Warning Light
 - Police Officer and Vehicle with Visible Blue Light

Approved:
 Chief, Traffic Review Branch, DPP (for Work within City R/W only) Date: JUL 16 2014

7/2/14	Added Jurisdiction. Added TRB Approval. Revised Sign and Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
 SIGNATURE: EXPIRATION DATE OF THE LICENSE: 04/30/16

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

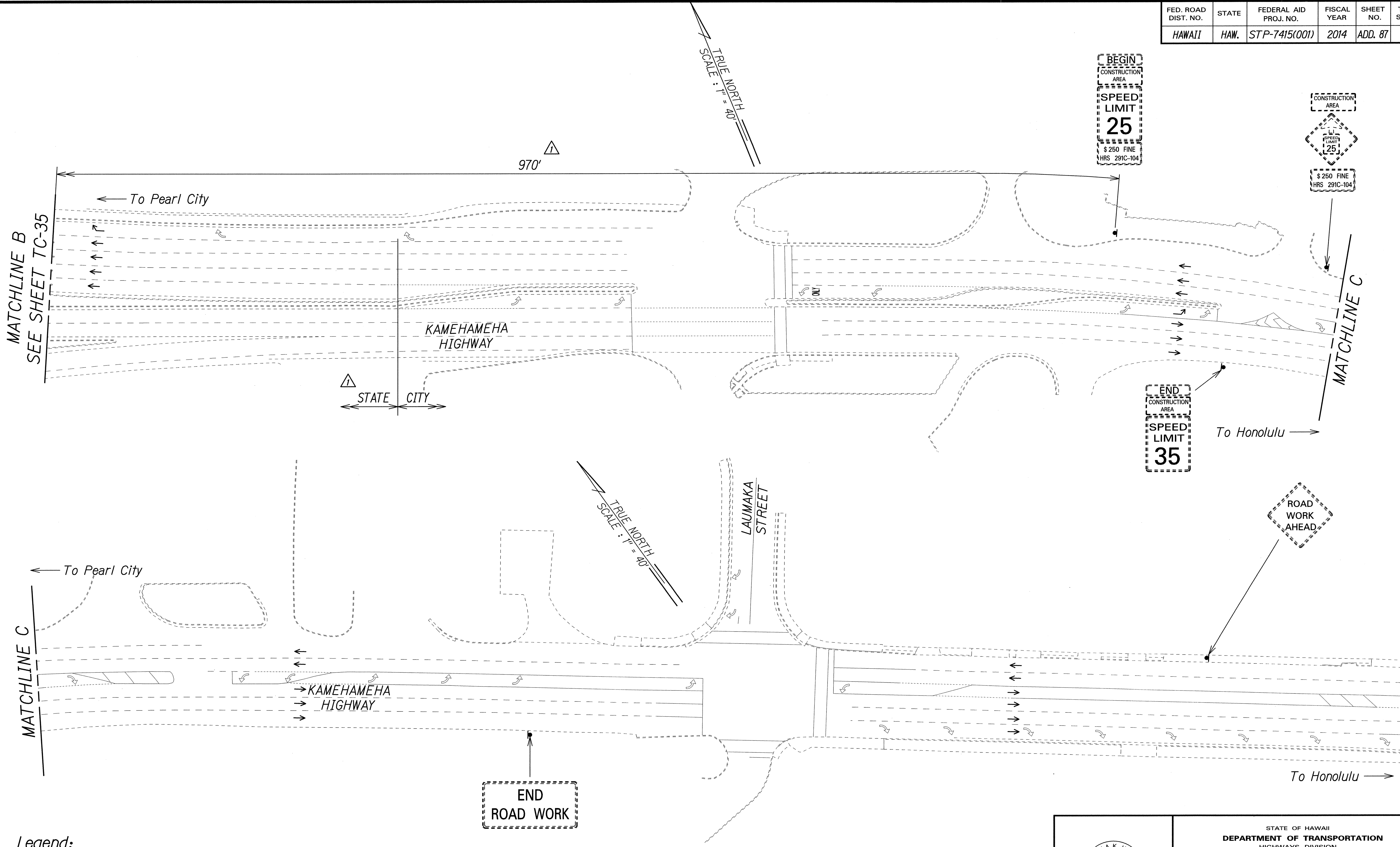
TRAFFIC CONTROL PLAN
PHASE 4C - WORKING HOURS

MIDDLE STREET PAVEMENT RECONSTRUCTION
 North King Street to Kamehameha Highway
 FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

SHEET No. TC-36 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 87	173



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

Legend:

- ▲ Sign
- Direction of Traffic

△ Approved:

Chief, Traffic Review Branch, DPP
(for Work within City R/W only)

7/2/14	△ Added Jurisdiction. Added TRB Approval. Revised Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE: *Pamela K. Uyeda* EXPIRATION DATE OF THE LICENSE: 04/30/16

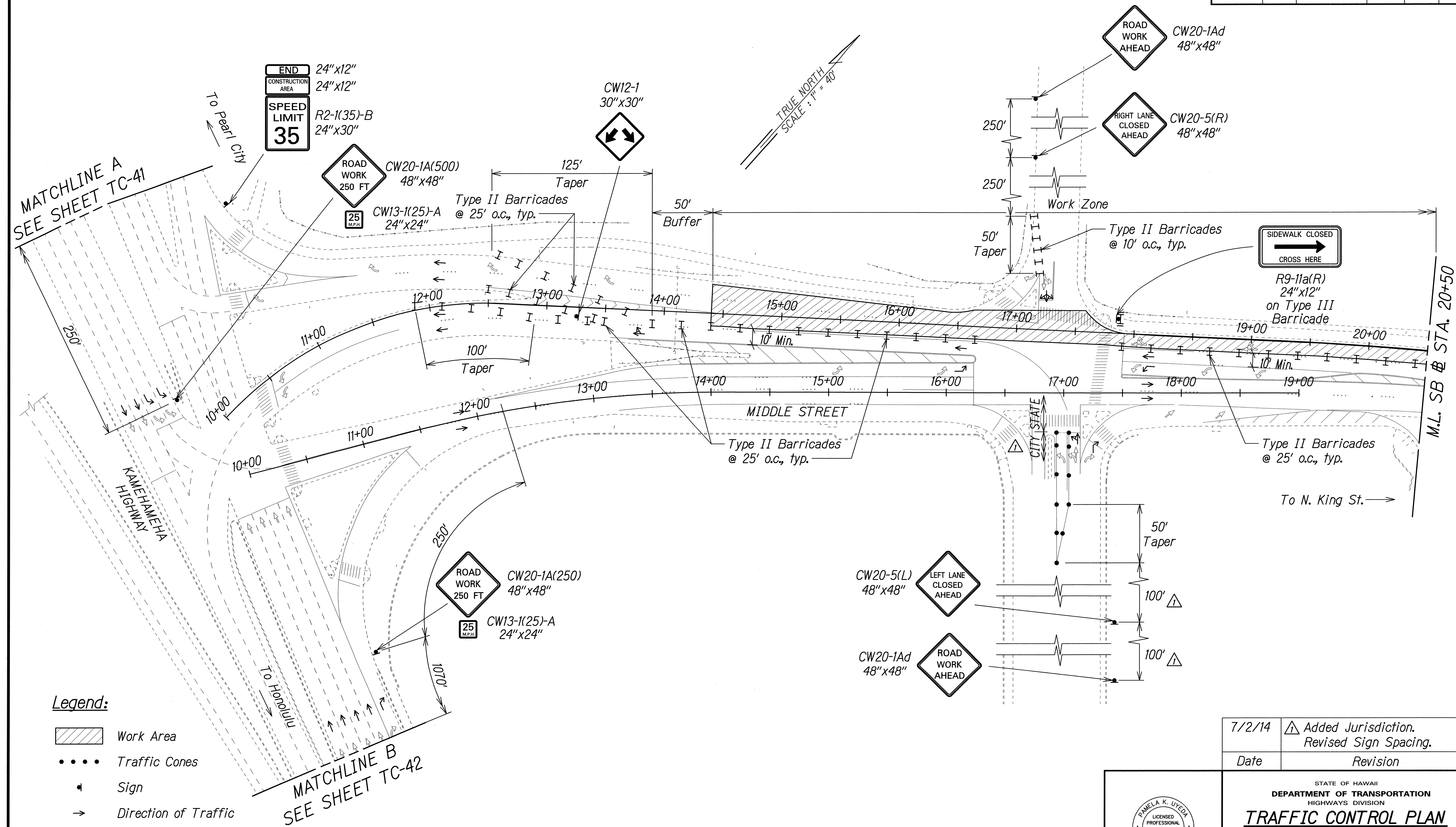
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4C - WORKING HOURS
MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

SHEET No. TC-38 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 88	173



- Legend:**
- Work Area
 - Traffic Cones
 - Sign
 - Direction of Traffic
 - Type II Barricade with Steady Burn Amber Lamps
 - Type III Barricade with Flashing Warning Light

NOTE:
Contractor shall monitor project area during non-working hours to ensure that traffic control devices are properly maintained. Payment shall be considered incidental to Pay Item 645.1000 - Traffic Control.

7/2/14	Added Jurisdiction. Revised Sign Spacing.
Date	Revision

PAMELA K. UYEDA
LICENSED PROFESSIONAL ENGINEER
No. 10352-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

[Signature]
SIGNATURE

04/30/16
EXPIRATION DATE OF THE LICENSE

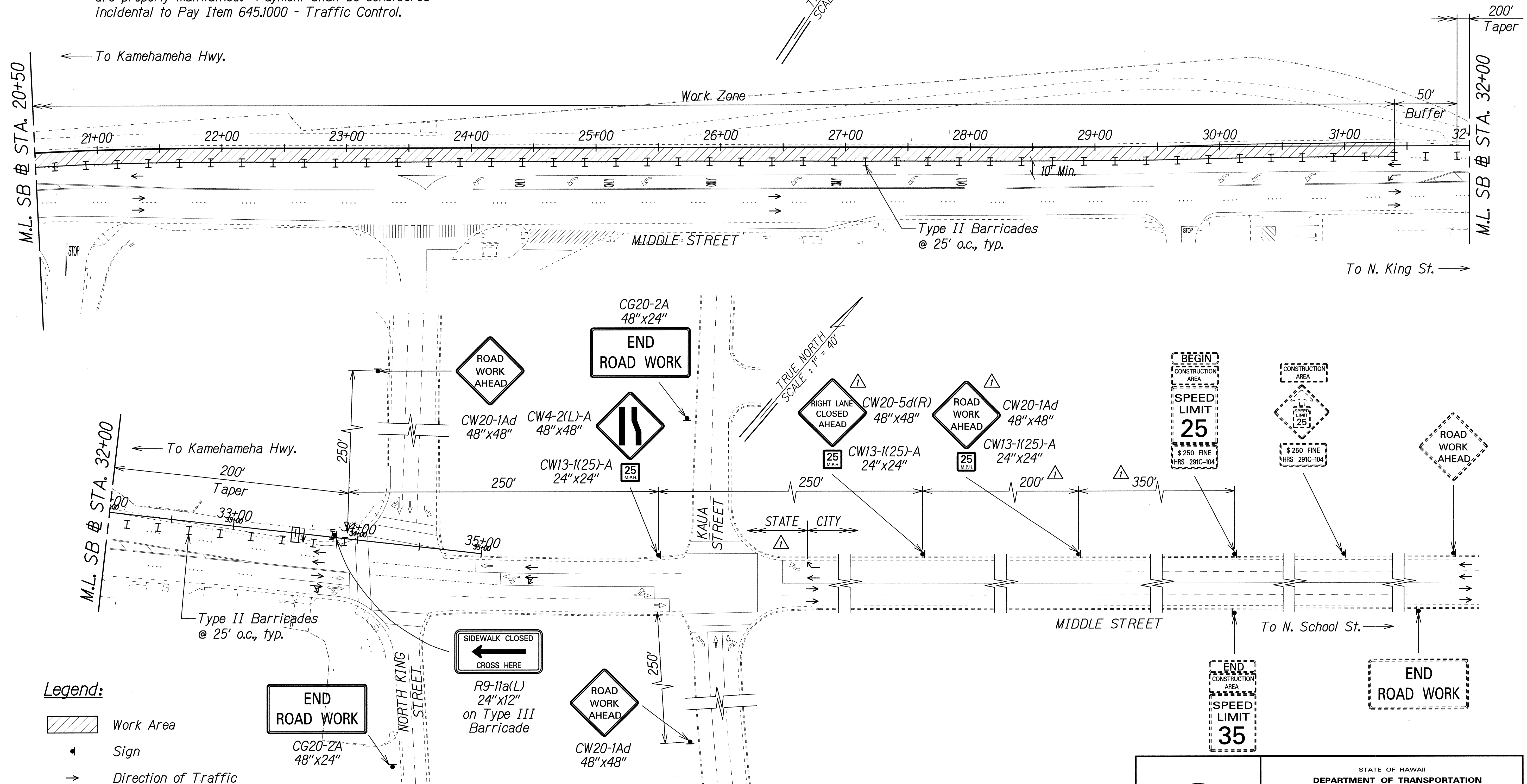
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4C - NON WORKING HOURS
MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 89	173

NOTE:
Contractor shall monitor project area during non-working hours to ensure that traffic control devices are properly maintained. Payment shall be considered incidental to Pay Item 645.1000 - Traffic Control.



- Legend:**
- Work Area
 - Direction of Traffic
 - Flashing Arrow Signal
 - Type II Barricade with Steady Burn Amber Lamps
 - Type III Barricade with Flashing Warning Light

Approved:

Chief, Traffic Review Branch, DPP
(for Work within City R/W only)
Date: JUL 16 2014

7/2/14	Added Jurisdiction. Added TRB Approval. Revised Sign and Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
SIGNATURE:
EXPIRATION DATE OF THE LICENSE: 04/30/16

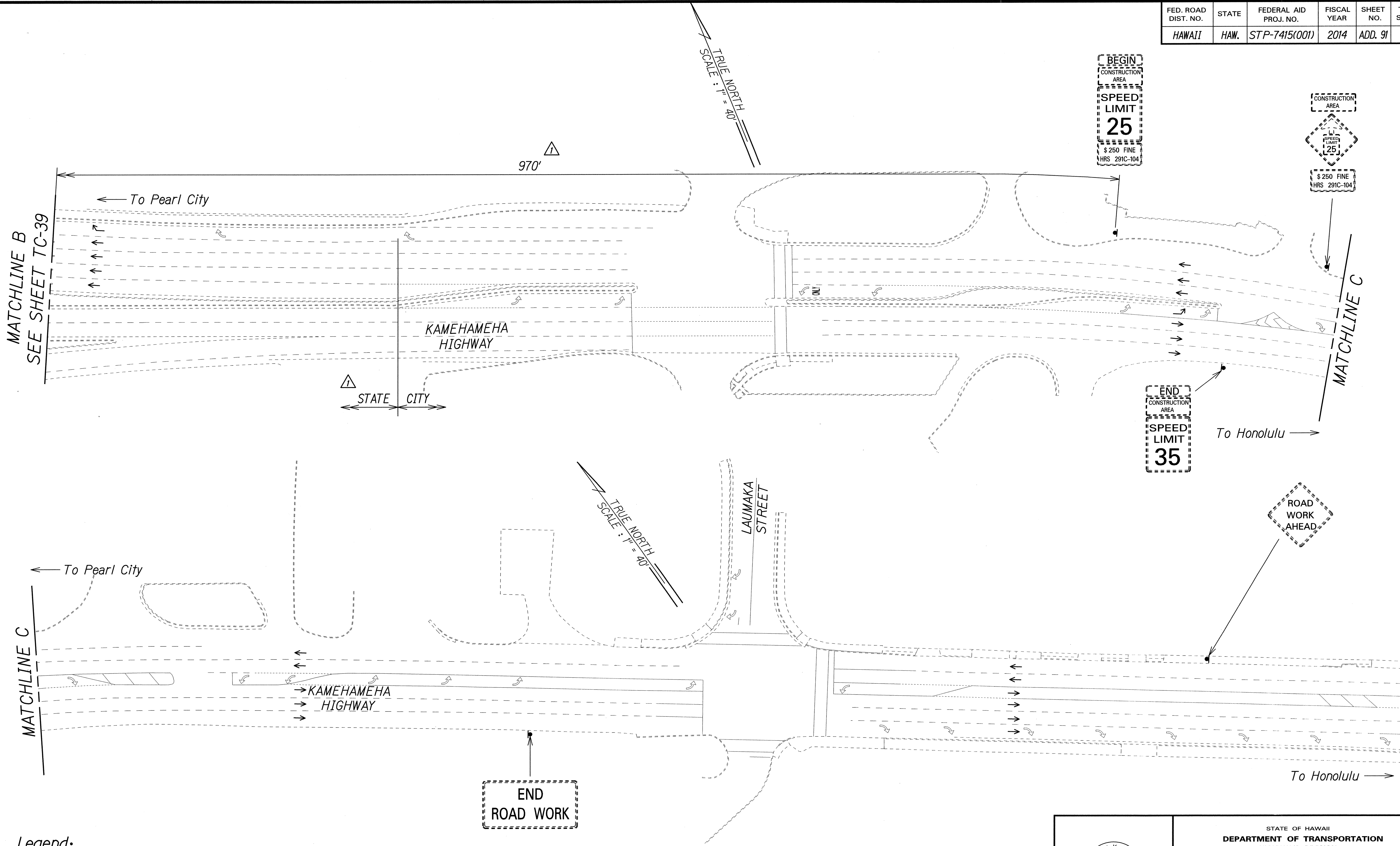
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4C - NON WORKING HOURS
MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

SHEET No. TC-40 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 91	173



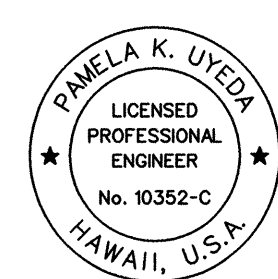
- Legend:**
- ▲ Sign
 - Direction of Traffic

▲ Approved:

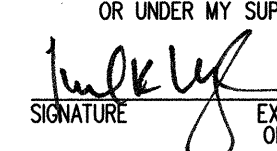
 Chief, Traffic Review Branch, DPP
 (for Work within City R/W only)

Date: JUL 16 2014

7/2/14	▲ Added Jurisdiction. Added TRB Approval. Revised Sign Spacing.
Date	Revision



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE:  EXPIRATION DATE OF THE LICENSE: 04/30/16

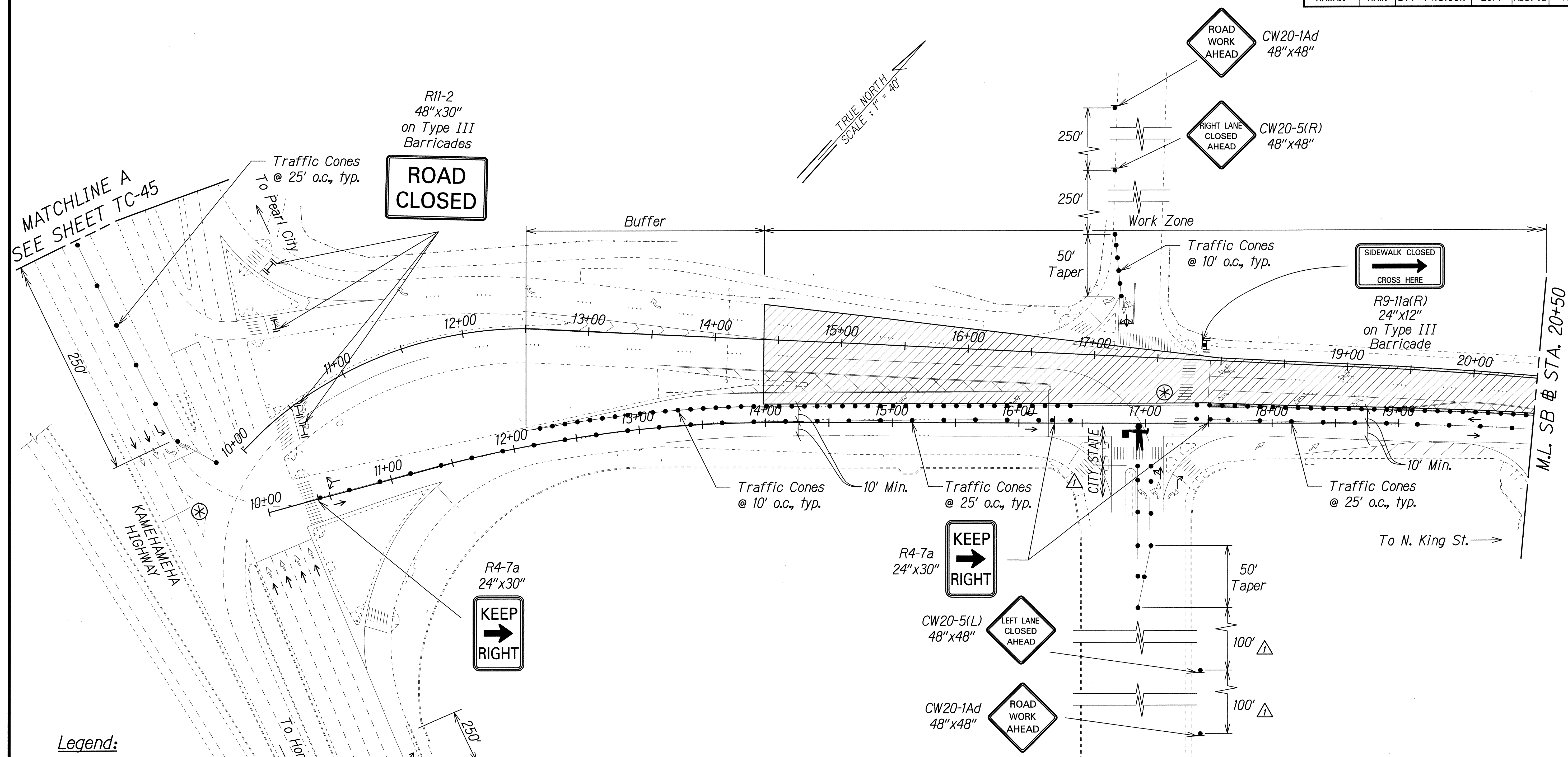
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4C - NON WORKING HOURS
MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

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

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 92	173



Legend:

- Work Area
- Traffic Cones
- Sign
- Direction of Traffic
- Type III Barricade with Flashing Warning Light
- Police Officer and Vehicle with Visible Blue Light
- Flagman

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

7/2/14	Added Jurisdiction. Revised Sign Spacing.
Date	Revision

PAMELA K. UYEDA
LICENSED PROFESSIONAL ENGINEER
No. 10352-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

SIGNATURE: *[Signature]* EXPIRATION DATE OF THE LICENSE: 04/30/16

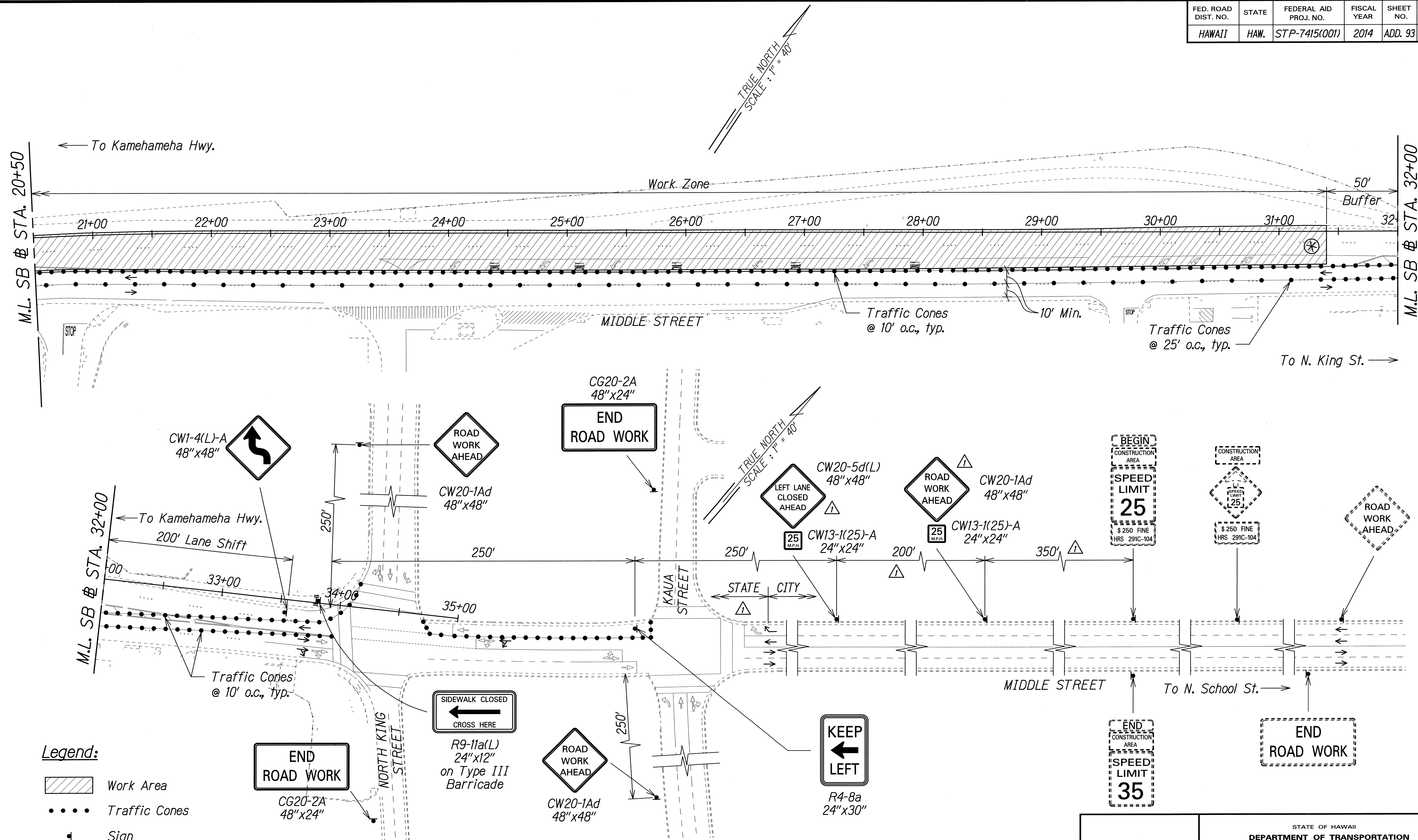
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4D - WORKING HOURS

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 93	173



- Legend:**
- Work Area
 - Traffic Cones
 - Sign
 - Direction of Traffic
 - Police Officer and Vehicle with Visible Blue Light
 - Type III Barricade with Flashing Warning Light

Approved: JUL 16 2014
 Chief, Traffic Review Branch, DPP
 (for Work within City R/W only)

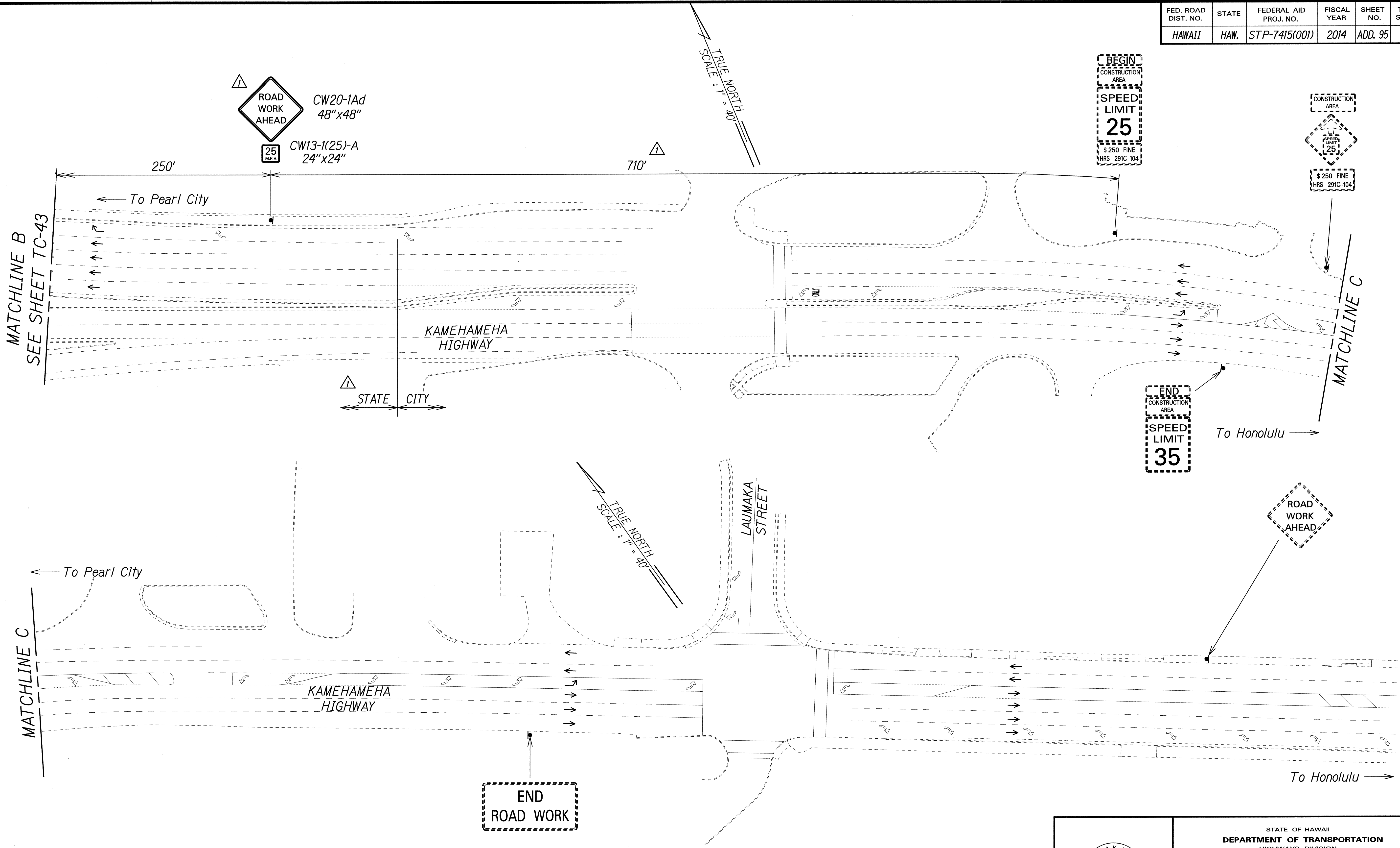
7/2/14	Added Jurisdiction. Added TRB Approval. Revised Sign and Sign Spacing.
Date	Revision

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 SIGNATURE: EXPIRATION DATE OF THE LICENSE: 04/30/16

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4D - WORKING HOURS
 MIDDLE STREET PAVEMENT RECONSTRUCTION
 North King Street to Kamehameha Highway
 FAP NO. STP-7415(001)
 Scale: 1"=40' Date: June 20, 2014

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 95	173



Legend:

▲ Sign

→ Direction of Traffic

△ Approved:

[Signature]

Chief, Traffic Review Branch, DPP
(for Work within City R/W only)

JUL 16 2014 Date

7/2/14	Added Jurisdiction. Added TRB Approval. Revised Sign and Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

[Signature] 04/30/16
SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

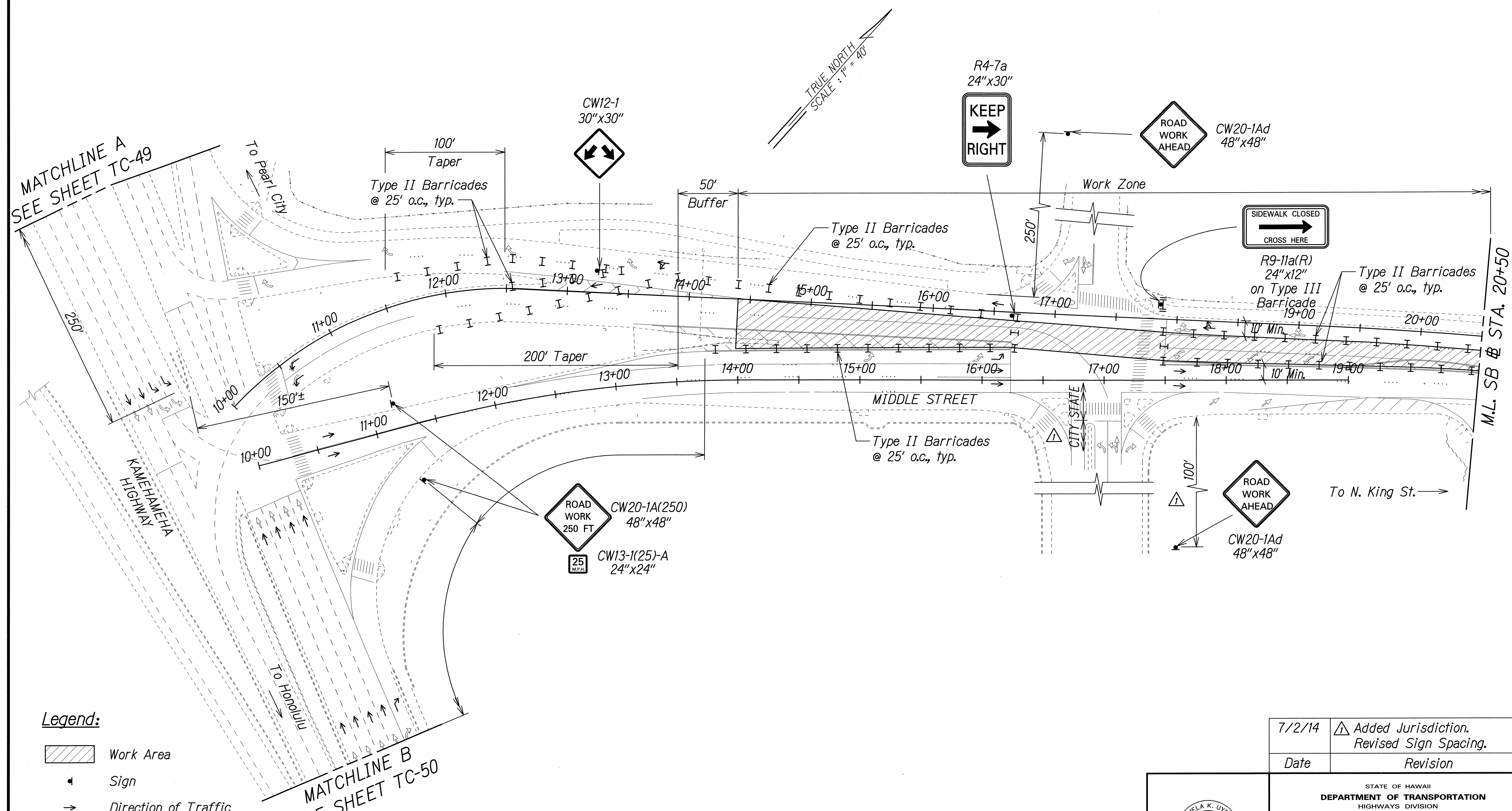
TRAFFIC CONTROL PLAN
PHASE 4D - WORKING HOURS

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

SHEET No. TC-46 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 96	173



- Legend:**
- Work Area
 - Sign
 - Direction of Traffic
 - Type II Barricade with Steady Burn Amber Lamps
 - Type III Barricade with Flashing Warning Light

NOTE:
Contractor shall monitor project area during non-working hours to ensure that traffic control devices are properly maintained. Payment shall be considered incidental to Pay Item 645.1000 - Traffic Control.

7/2/14	Added Jurisdiction. Revised Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature: *[Signature]* Date: 04/30/16

EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

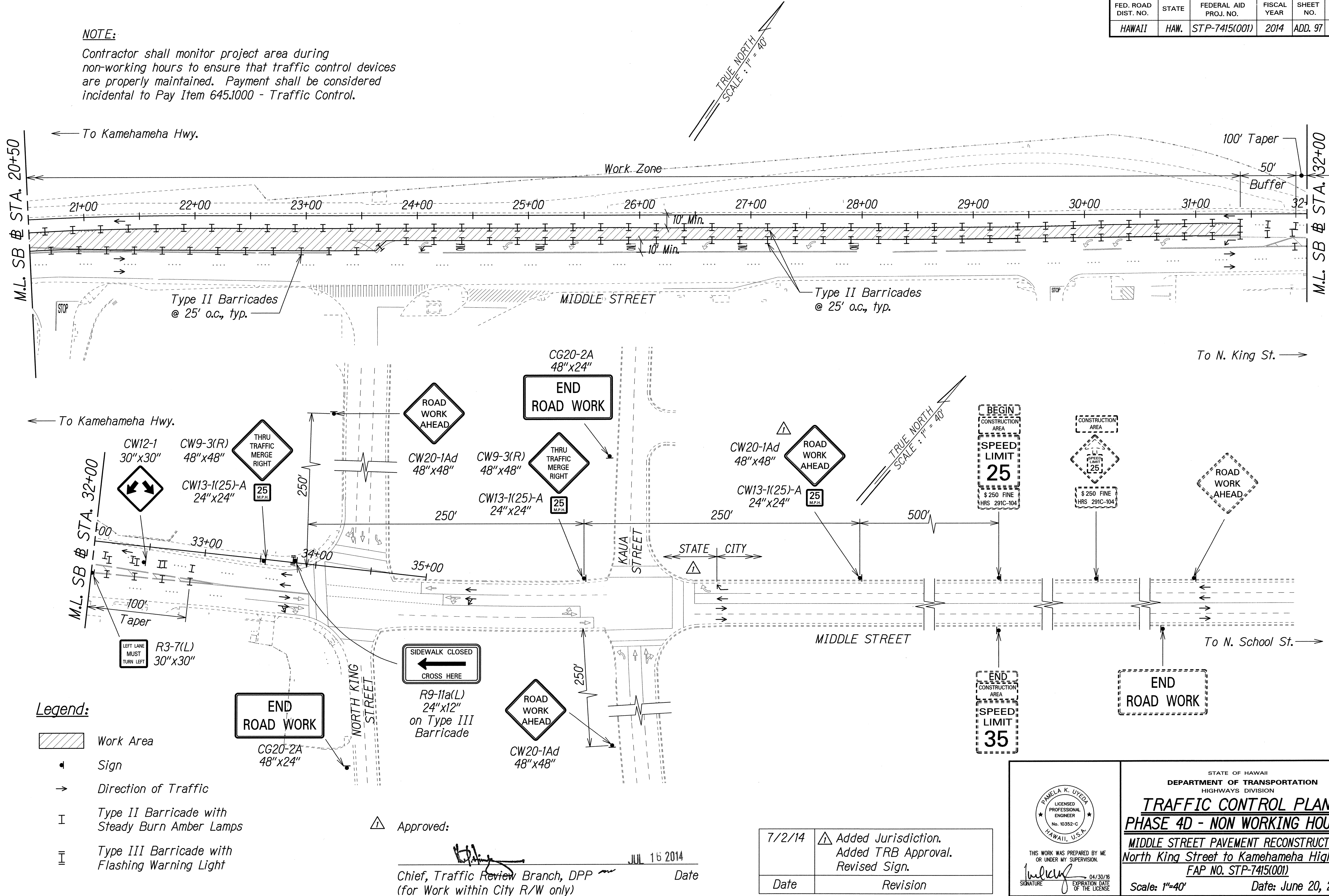
TRAFFIC CONTROL PLAN
PHASE 4D - NON WORKING HOURS

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 97	173

NOTE:
Contractor shall monitor project area during non-working hours to ensure that traffic control devices are properly maintained. Payment shall be considered incidental to Pay Item 645.1000 - Traffic Control.



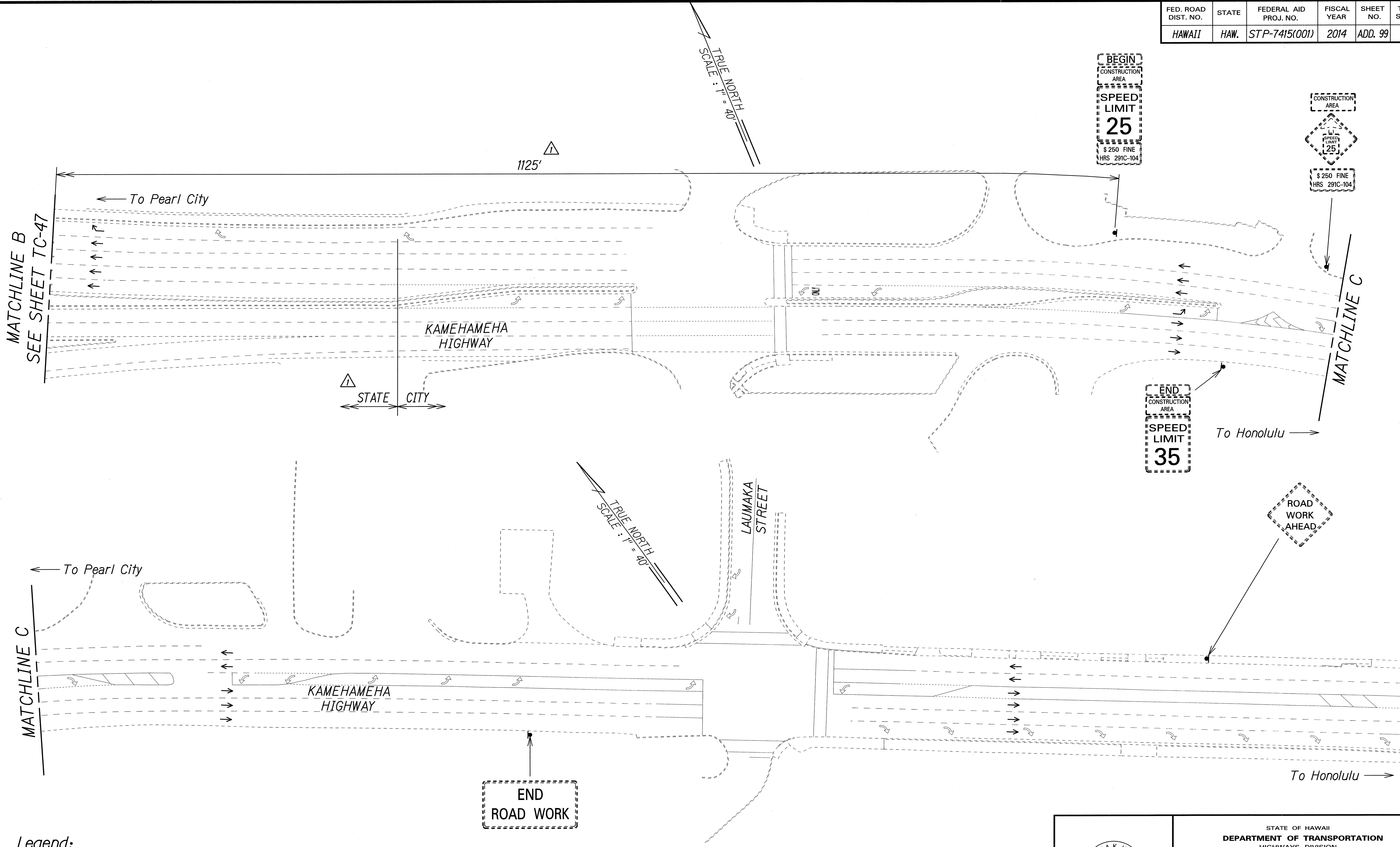
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4D - NON WORKING HOURS
MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

SHEET No. TC-48 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 99	173



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

Legend:

- Sign
- Direction of Traffic

△ Approved:

[Signature]
 Chief, Traffic Review Branch, DPP
 (for Work within City R/W only)
 JUL 16 2014
 Date

7/2/14	△ Added Jurisdiction. Added TRB Approval. Revised Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
[Signature]
 SIGNATURE 04/30/16
 EXPIRATION DATE OF THE LICENSE

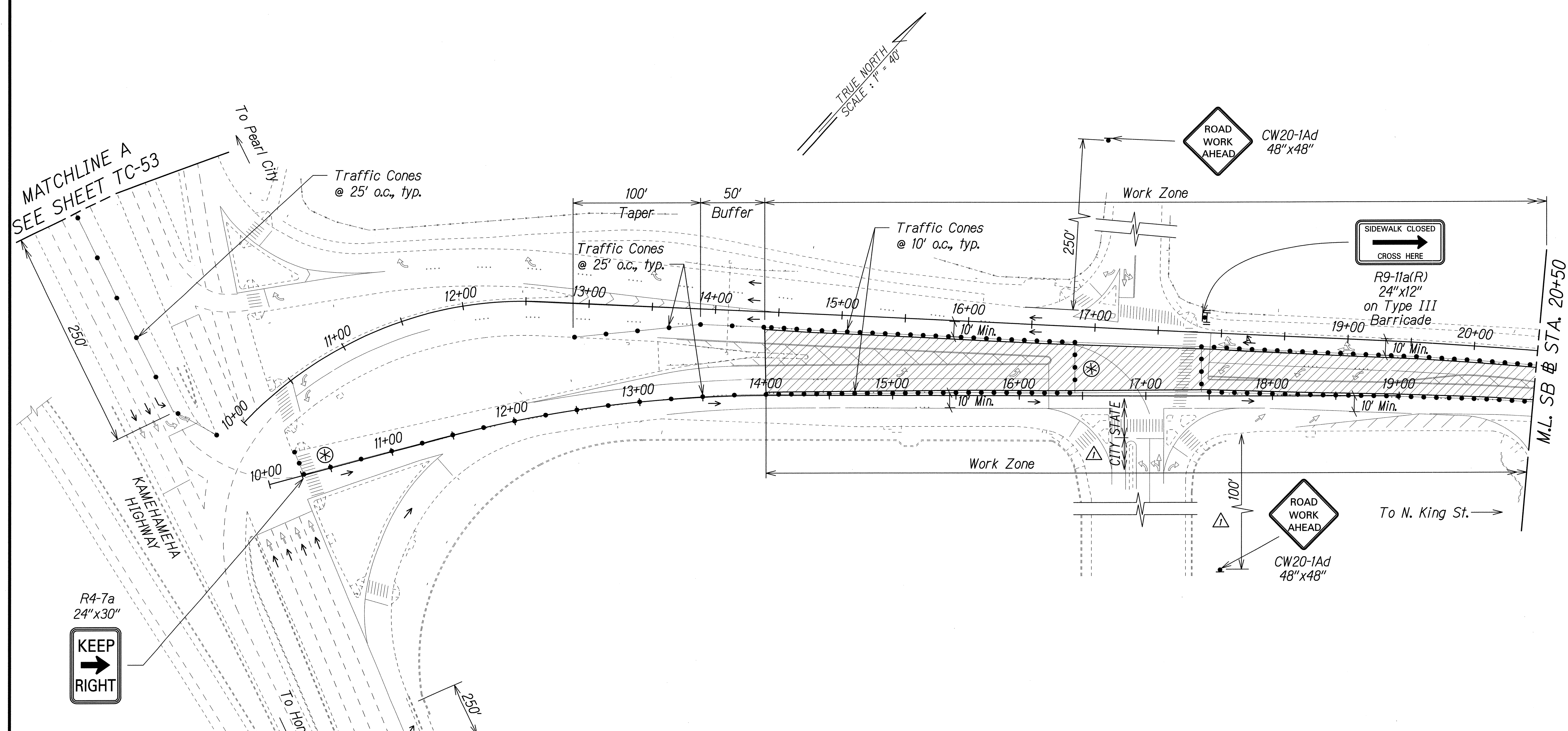
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4D - NON WORKING HOURS
MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

SHEET No. TC-50 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 100	173



R4-7a
24"x30"

**KEEP
→
RIGHT**

- Legend:**
- Work Area
 - Traffic Cones
 - Sign
 - Direction of Traffic
 - Police Officer and Vehicle with Visible Blue Light

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

MATCHLINE B
SEE SHEET TC-54

7/2/14	Added Jurisdiction. Revised Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Pamela K. Uyeda
SIGNATURE

04/30/16
EXPIRATION DATE OF THE LICENSE

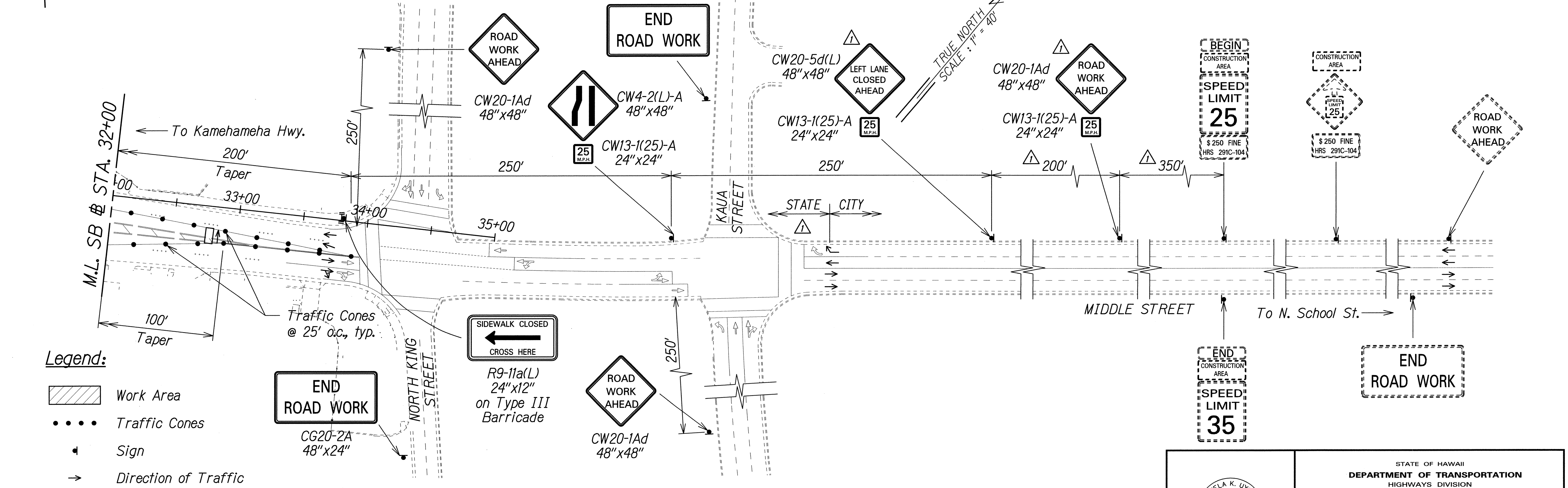
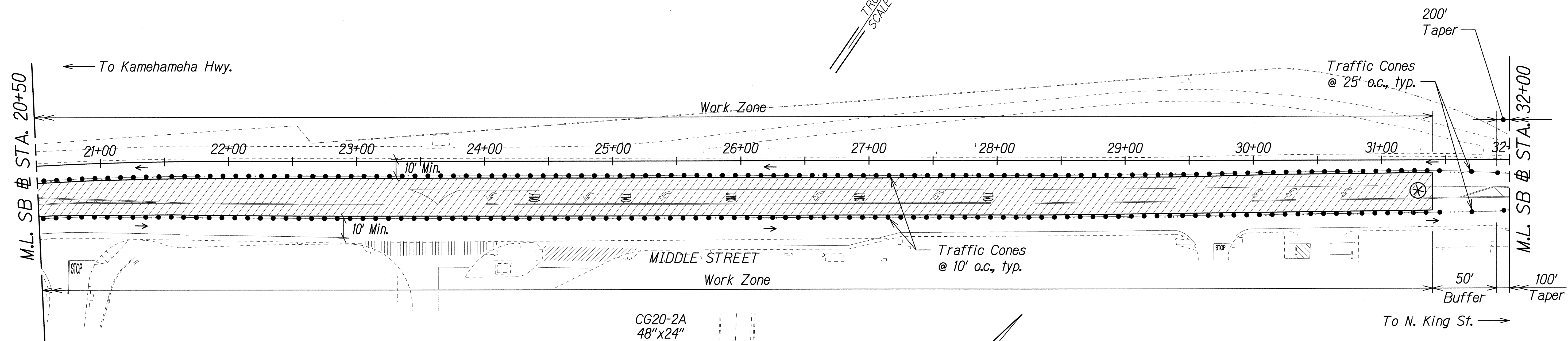
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**TRAFFIC CONTROL PLAN
PHASE 4E - WORKING HOURS**

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 101	173



- Legend:**
- Work Area
 - Traffic Cones
 - Sign
 - Direction of Traffic
 - Flashing Arrow Signal
 - Police Officer and Vehicle with Visible Blue Light
 - Type III Barricade with Flashing Warning Light

Approved:
Date: JUL 16 2014
Chief, Traffic Review Branch, DPP
(for Work within City R/W only)

7/2/14	Added Jurisdiction. Added TRB Approval. Revised Sign and Sign Spacing.
Date	Revision

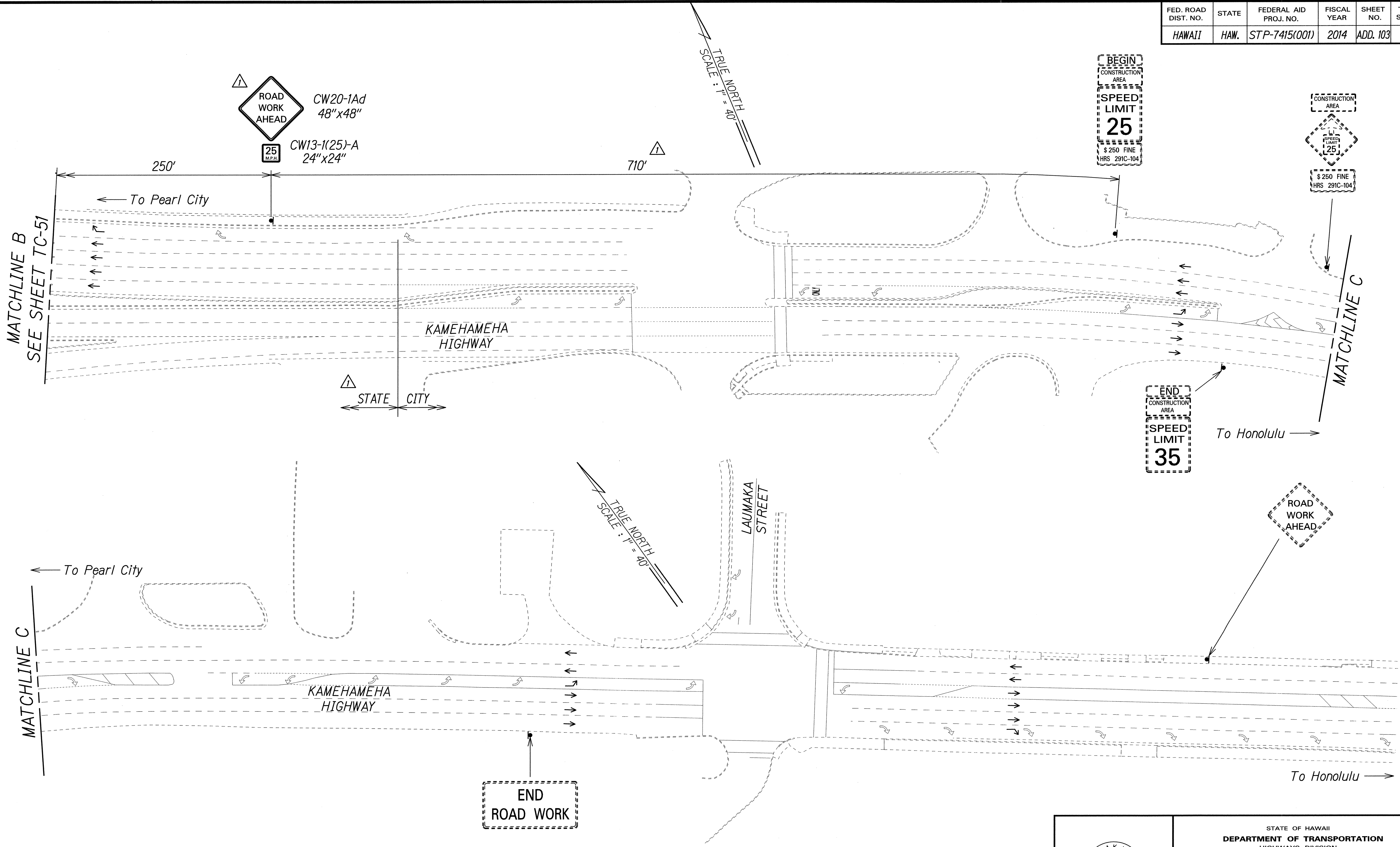
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
SIGNATURE: EXPIRATION DATE OF THE LICENSE: 04/30/16

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4E - WORKING HOURS
MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 103	173



- Legend:**
- ▲ Sign
 - Direction of Traffic

▲ Approved: *[Signature]*
 Chief, Traffic Review Branch, DPP
 (for Work within City R/W only)

JUL 16 2014
 Date

7/2/14	▲ Added Jurisdiction. Added TRB Approval. Revised Sign and Sign Spacing.
Date	Revision

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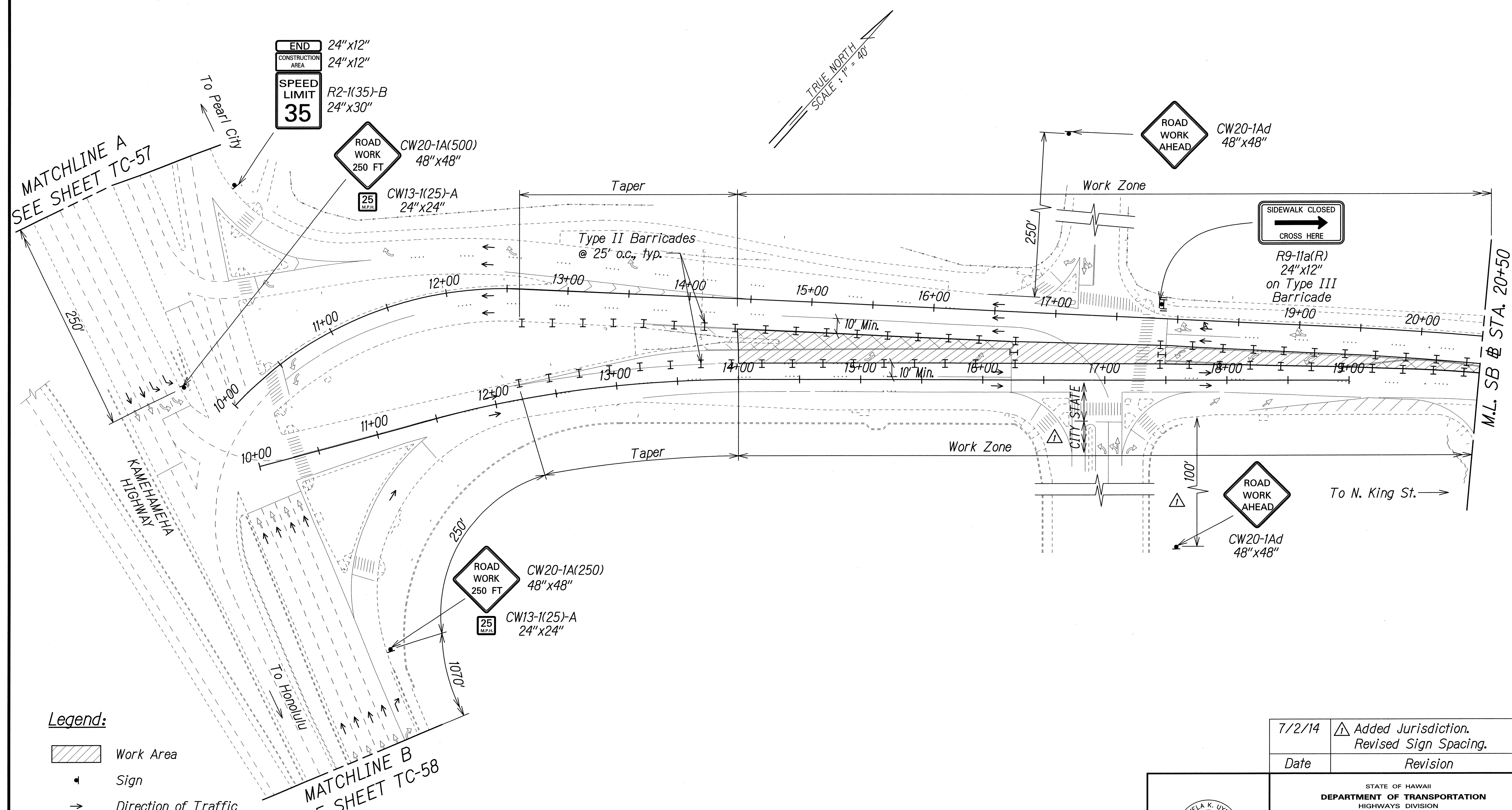
[Signature] 04/30/16
SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4E - WORKING HOURS
 MIDDLE STREET PAVEMENT RECONSTRUCTION
 North King Street to Kamehameha Highway
 FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 104	173



- Legend:**
- Work Area
 - Sign
 - Direction of Traffic
 - Type II Barricade with Steady Burn Amber Lamps
 - Type III Barricade with Flashing Warning Light

NOTE:
Contractor shall monitor project area during non-working hours to ensure that traffic control devices are properly maintained. Payment shall be considered incidental to Pay Item 645.1000 - Traffic Control.

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

7/2/14	Added Jurisdiction. Revised Sign Spacing.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature: *[Signature]* Date: 04/30/16

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

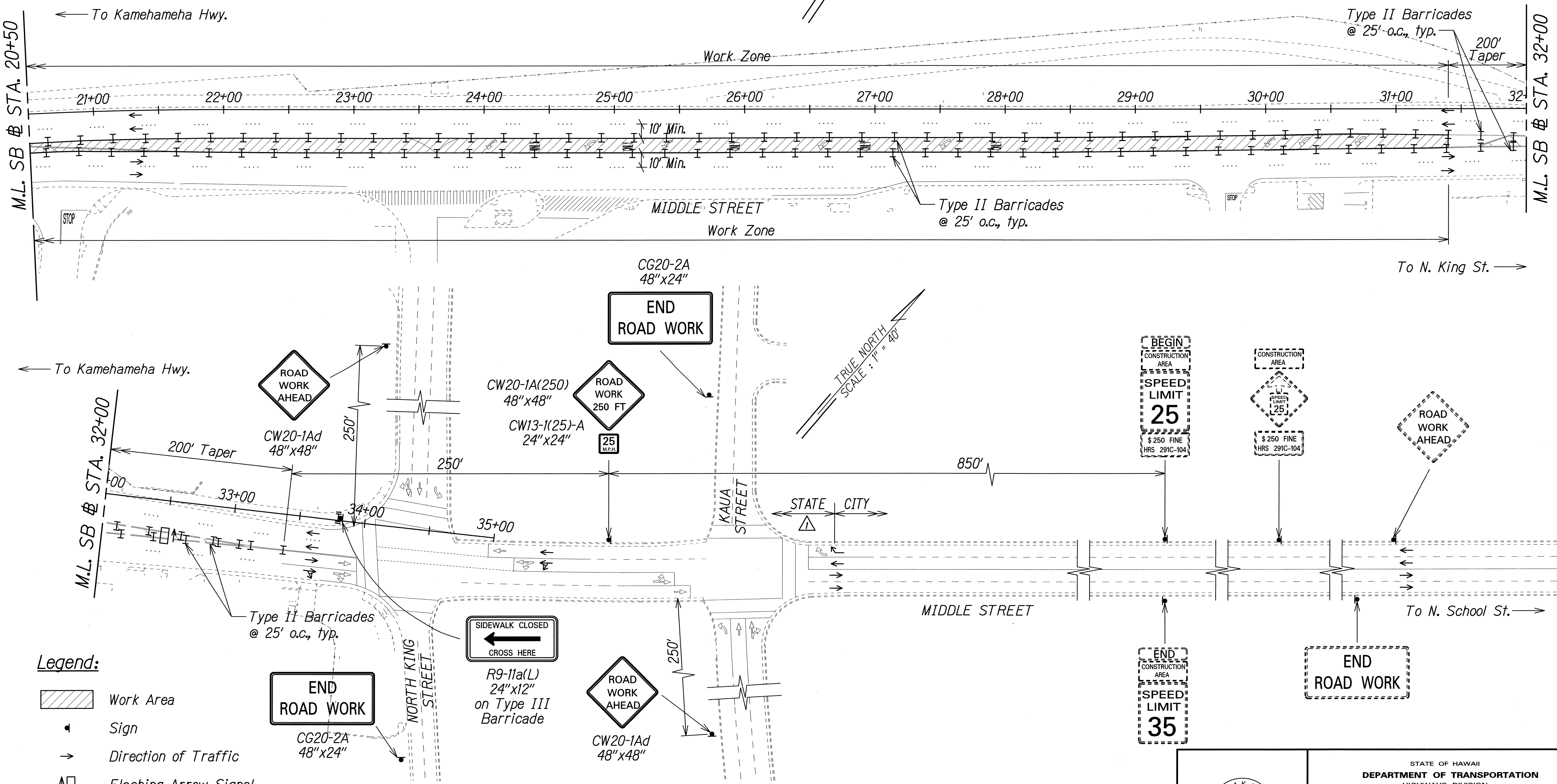
TRAFFIC CONTROL PLAN
PHASE 4E - NON WORKING HOURS

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 105	173

NOTE:
Contractor shall monitor project area during non-working hours to ensure that traffic control devices are properly maintained. Payment shall be considered incidental to Pay Item 645.1000 - Traffic Control.



- Legend:**
- Work Area
 - Sign
 - Direction of Traffic
 - Flashing Arrow Signal
 - Type II Barricade with Steady Burn Amber Lamps
 - Type III Barricade with Flashing Warning Light

Approved:

 Chief, Traffic Review Branch, DPP
 (for Work within City R/W only)

JUL 16 2014
 Date

7/2/14	Added Jurisdiction. Added TRB Approval.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
 SIGNATURE: *[Signature]* EXPIRATION DATE OF THE LICENSE: 6/30/16

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
PHASE 4E - NON WORKING HOURS

MIDDLE STREET PAVEMENT RECONSTRUCTION
 North King Street to Kamehameha Highway
 FAP NO. STP-7415(001)

Scale: 1"=40' Date: June 20, 2014

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 108	173

TRAFFIC COUNTING STATION NOTES:

1. A solid #8 bare copper wire shall be pulled within all conduits for equipment ground. Cost shall be incidental to the installation of the control cable.
2. Conduits and pullbox locations as shown on plans are schematic. They may be modified by the Contractor with the approval of the Engineer.
3. The Contractor shall install the controller and cabinet in the indicated location.
4. All work for the installation or modification of the Weigh-In-Motion system shall conform to the latest revisions of the "Hawaii Standard Specifications for Road and Bridge Construction, 2005" and the "Standard Plans" of the Department of Transportation, Highways Division and as shown on these drawings.
5. All splicing shall be done in the pullboxes.
6. The concrete jacket for the Conduit By-pass Detail shown on this sheet shall not be paid for separately but considered incidental to the various contract items. The Engineer shall determine if a concrete jacket is required.
7. All cable and elements for grounding shall be new.
8. Unless otherwise specified, all conduits shall be PVC Sch. 80.
9. The Contractor shall inform the Engineer at least three days prior to sawcutting pavement and installing inductance loops.
10. Continuity of inductance loops and lead-in wires shall be tested and warranted for one year from date of acceptance.
11. The Contractor shall restore all affected areas to their original condition. This item of work shall not be paid for separately, but shall be considered incidental to the WIM Scale System.
12. Changes to the contract plans and specifications shall not be permitted, unless otherwise authorized by the Engineer.
13. Highway crossing sleeve shall be provided with 36" minimum cover.

CONSTRUCTION NOTES:

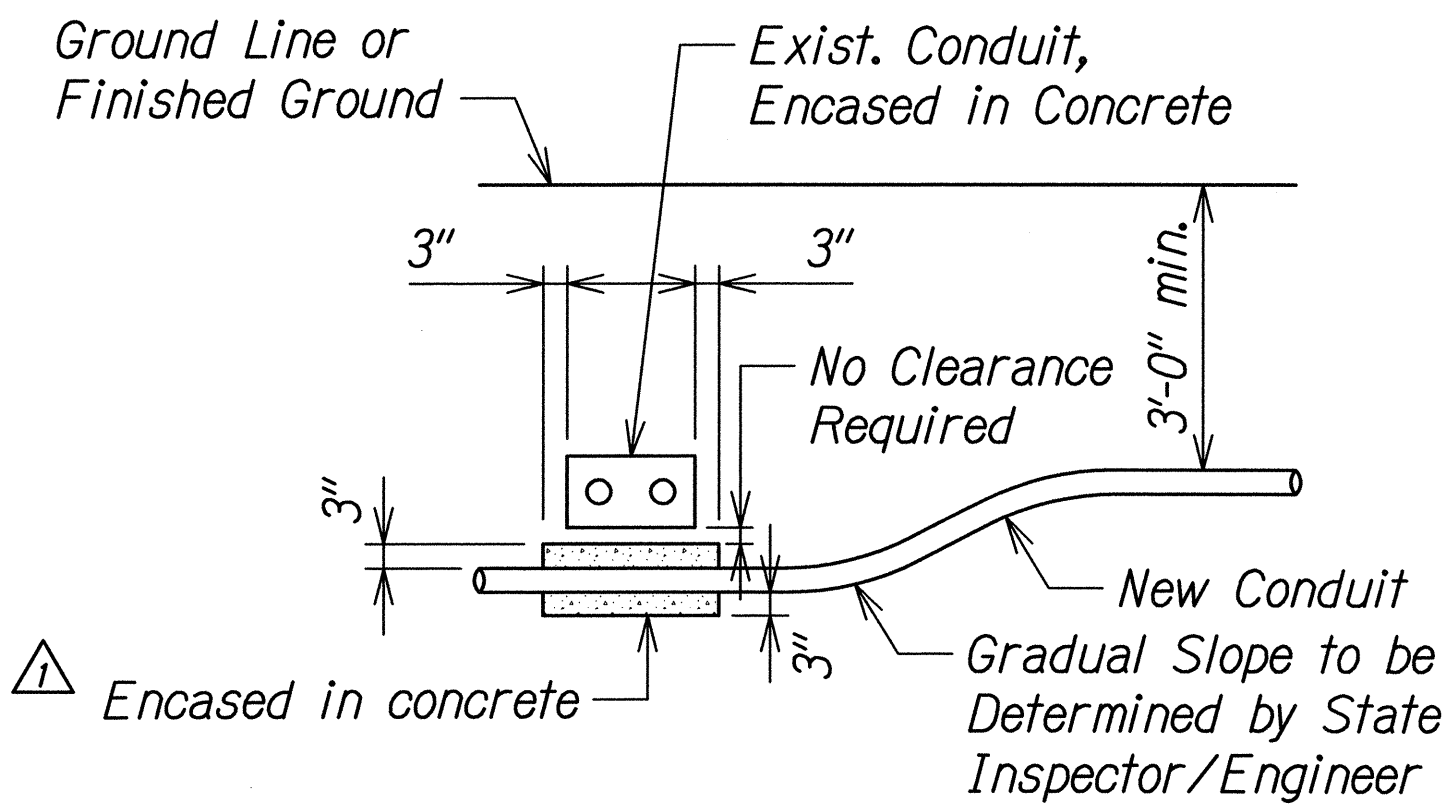
1. Locations of existing underground structures and utilities such as pipelines, conduits, cables, etc., shown on plans are approximate only. It is not the intent of these plans to show the exact location of all underground utilities and structures. It is the responsibility of the Contractor to verify the locations of all existing utilities with the respective owners. Existing utilities damaged by the Contractor shall be repaired by the Contractor at his own cost.
2. The Contractor shall verify and check all dimensions and details shown on the drawings prior to the start of construction. Any discrepancy shall be immediately brought to the attention of the Engineer for clarification.
3. The Contractor shall notify all Agencies to verify, tone and locate their existing utilities within the project area prior to excavating. The Contractor shall coordinate all work.
4. The locations of the new weigh pad, controller, pullboxes, cabinets/junction boxes, conduits and loop detectors shall be staked out in the field by the Contractor and approval of the locations shall be obtained from the Engineer prior to construction and installation.
5. All traffic signal work shall conform to the requirements of the "Manual on Uniform Traffic Control Devices 2009 Edition", Federal Highway Administration and revisions.
6. Maintenance of traffic through the construction area shall be in accordance with Part 6 of the "Manual on Uniform Traffic Control Devices 2009 Edition", Federal Highway Administration and revisions. The Contractor shall furnish and maintain adequate barricades, blinkers, construction signs, etc., for the safety of the motoring public.
7. At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.

LOOP LAYOUT NOTES:

1. Detector Loop shall consist of four turns of 1C #12 Cable meeting IMSA Spec. 51-5 or equivalent embedded in a 3/8" minimum sawcut, as noted.
2. Loop and lead-in to the first pullbox shall be one continuous wire. Lead-in wires from the same loop shall be twisted in pairs, two turns per foot. Do not twist one loop-pair with another loop-pair.
3. All lead-in wires shall be crimped with open end lugs that will fit into the terminal board slots snugly.
4. Stagger traffic loops on roadways with less than 12 foot lane width.
5. The Contractor shall label the wires to clearly identify traffic direction, lane number and sequence of loops.
6. The left lane in the direction of traffic flow is designated as lane 1, and the lane next to its right as lane 2 and so on as indicated on the plans.
7. Vacuum and clean sawcut thoroughly before installing sensors and/or cables and filling with hot tar or epoxy sealant.
8. All loop lead-in wires in all enclosures including pullboxes shall be identified and labeled by direction of traffic flow and lane number as shown on the plans.
9. All cable and wires terminated within an enclosure shall have a minimum 12" additional slack.

LEGEND

- Type B Pullbox
- Type C Pullbox
- New 332 Controller Cabinet on New Base
- Loop Detectors



CONDUIT BY-PASS DETAIL
Scale: NTS

7/2/14	Revised/Added Notes. Revised Cabinet.
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

P. Uyeda 06/30/16
SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WEIGH-IN-MOTION STATION
LEGEND AND NOTES

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: None Date: June 20, 2014

① See Electrical Plans for Ductline details

Conduit	Cable
2" C	4-2C #14
2" C	4-2C #14
2" C	4-2C #14
2" C	4-2C #14

← To Kamehameha Hwy.
See Note 3

② See Trench Restoration Detail this Sheet

Conduit	Cable
2" RMC	4-2C #14
2" RMC	4-2C #14

③ See Trench Restoration Detail this Sheet

Conduit	Cable
2" RMC	4-2C #14

E2T

Indicates Approaching or Trailing Loop
Indicates Lane Number
Indicates Direction*

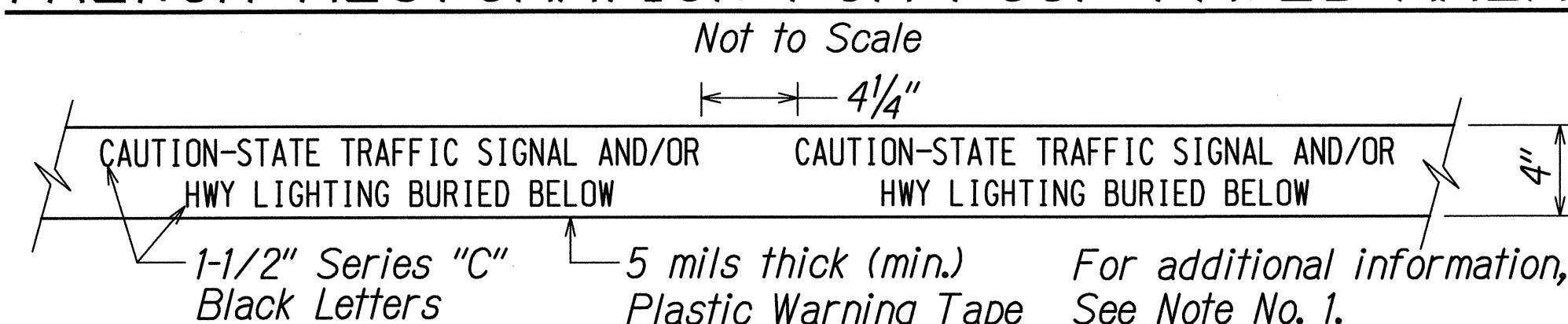
Loop Label Legend:

E = East
W = West
N = North
S = South
A = Approaching
T = Trailing

Metal Detectable Yellow Warning Tape, See Note No. 1

Prior to installing Conduits, level & compact bottom of trench to 95% compaction

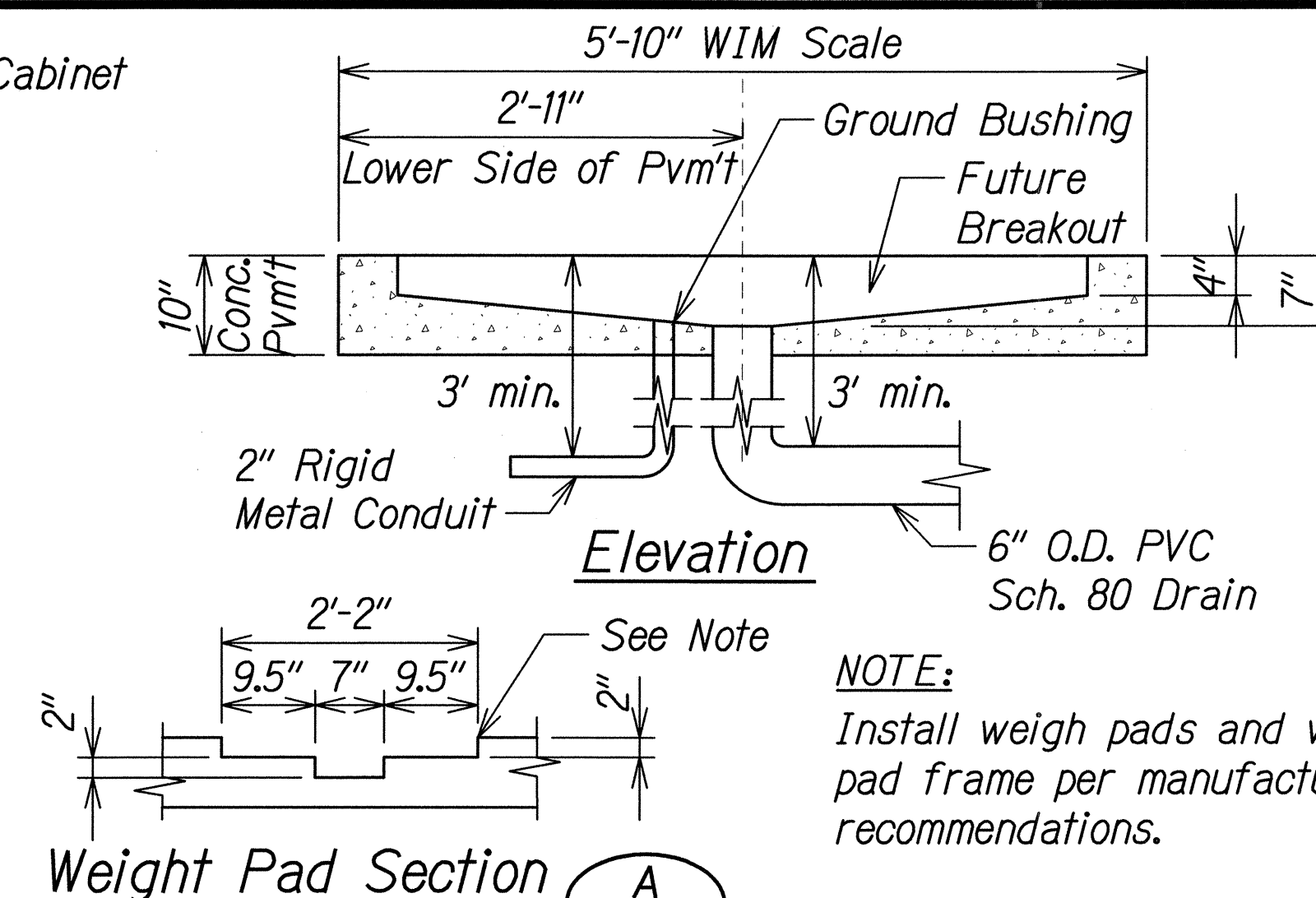
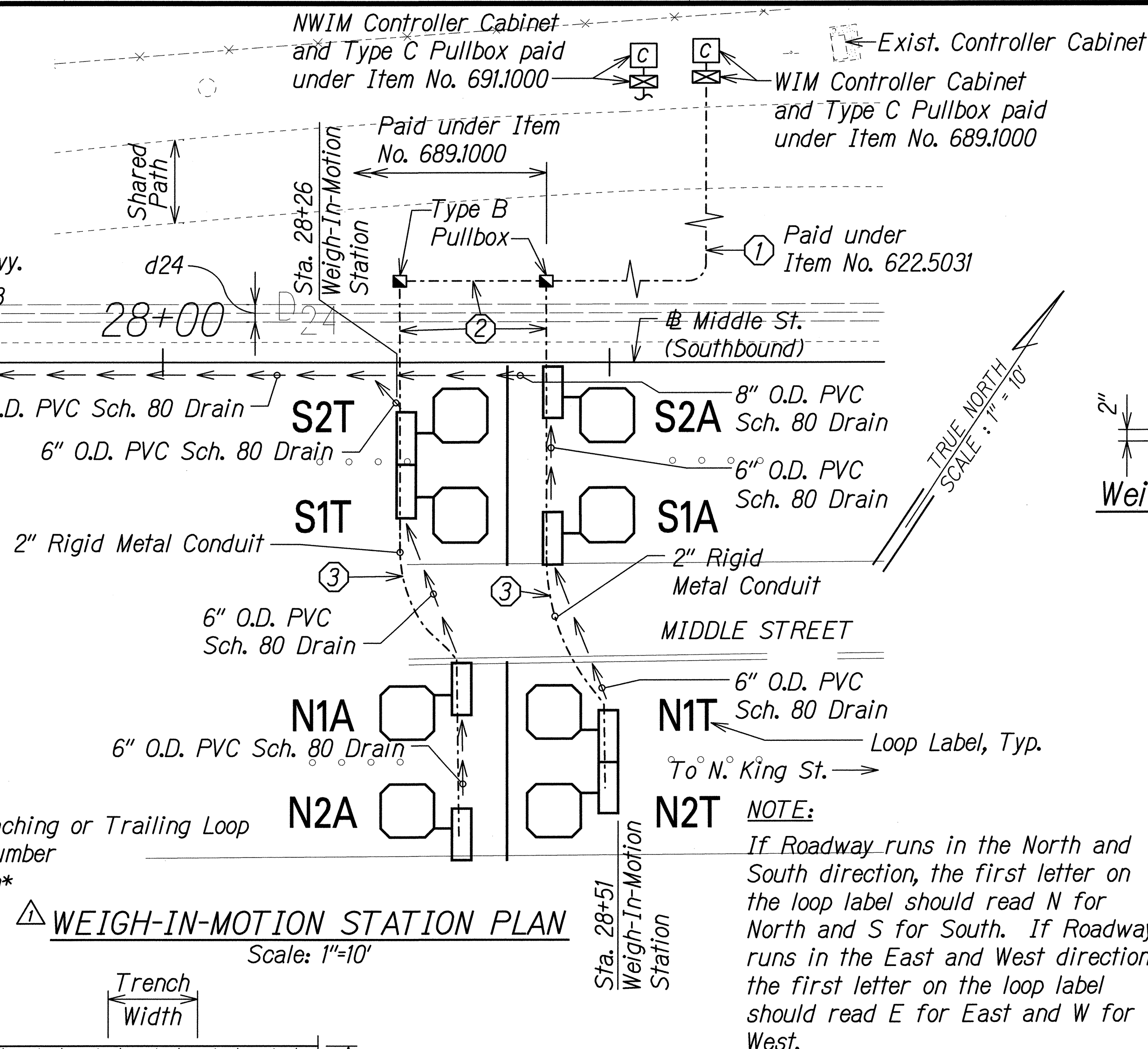
TRENCH RESTORATION FOR PCCP PAVED AREAS



METAL DETECTABLE YELLOW PLASTIC

WARNING TAPE

Not to Scale



DETAIL FOR WEIGH PAD
Scale: NTS

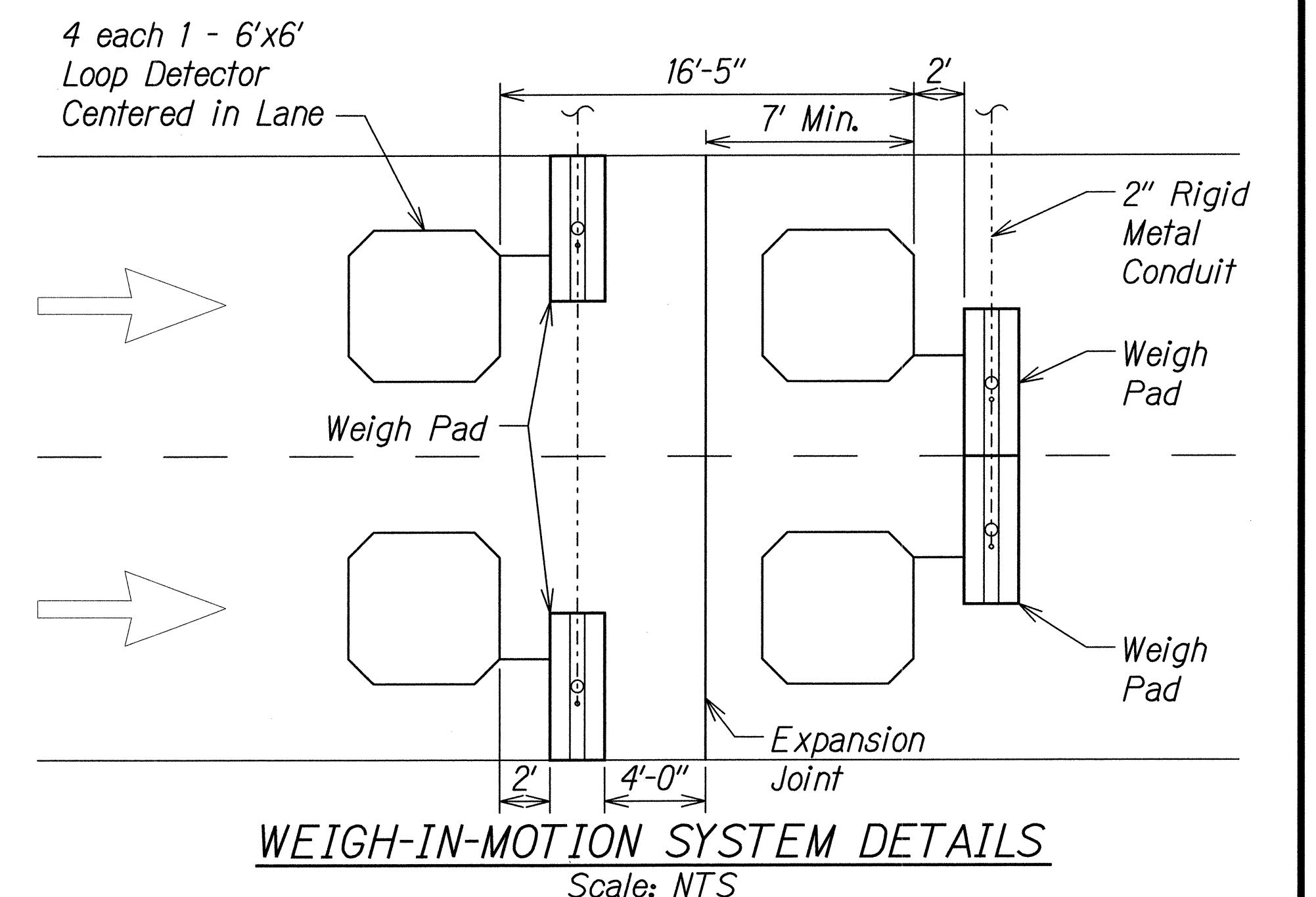
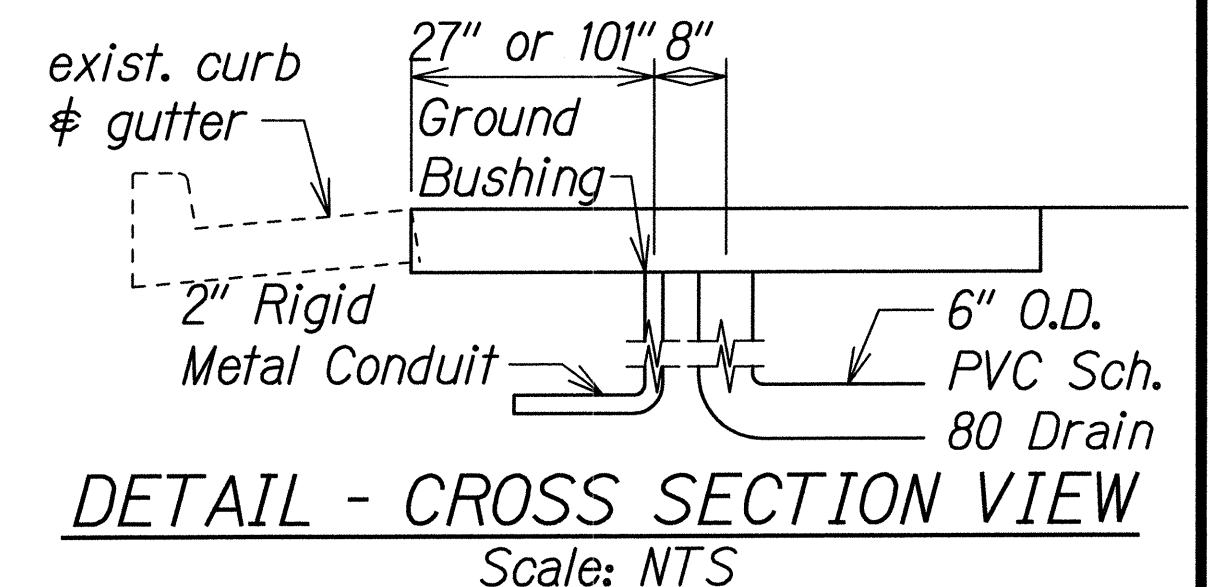
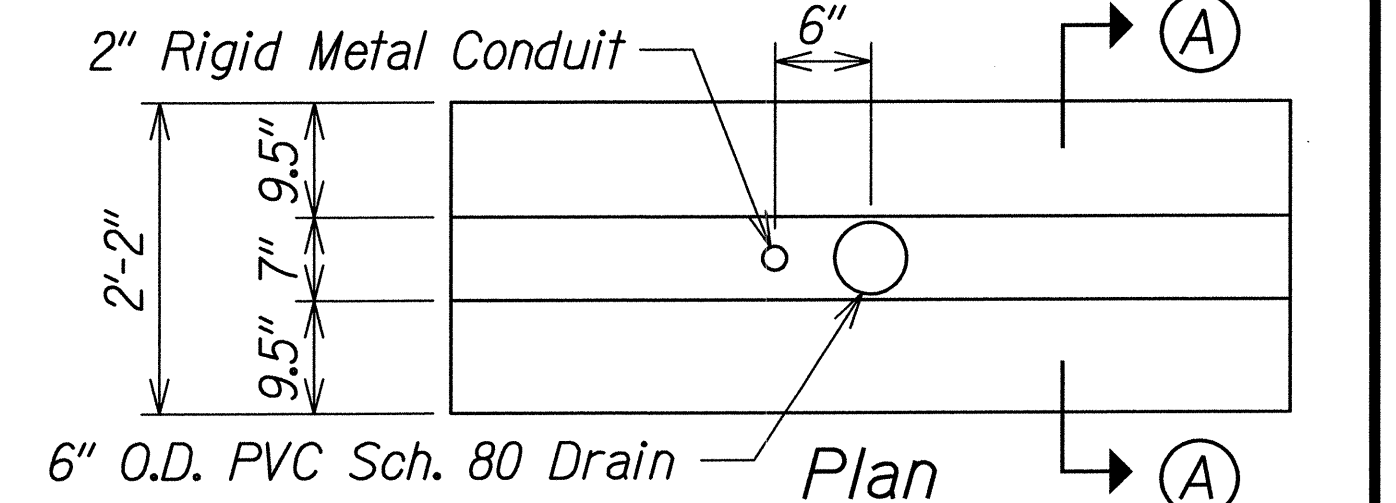
DRAIN PIPE NOTES:

- 3' Minimum Cover Depth.
- Slope Pipe to drain (0.5% minimum).
- Connect D8 to drainage structure. See Standard Plan H-30.
- All costs associated with the drain pipe including connection to the drainage structure shall be included in the cost of the WIM System.

GENERAL NOTES

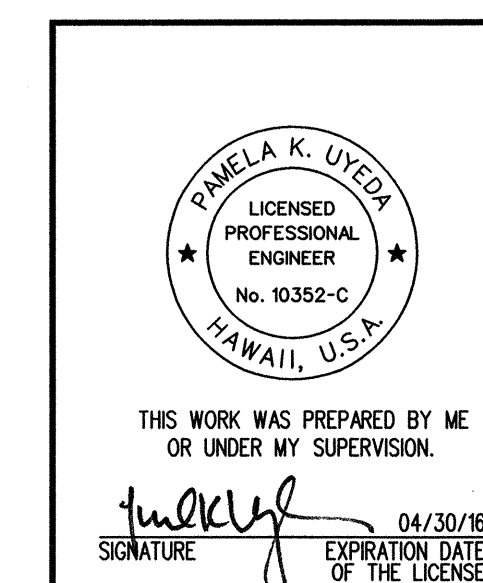
- The Metal Detectable Yellow Plastic Warning Tape shall be a minimum 5 mils thick and 4" wide with a continuous metallic backing and corrosion resistant 1± mil thick foil core. The message on the tape shall read, "CAUTION - STATE TRAFFIC SIGNAL AND/OR HWY. LIGHTING BURIED BELOW," utilizing 1-1/2 inches series "C" black lettering. The message will be repeated with a 4-1/4" spacing between top line of message and start of next repeat.
- Maximum four (4) conduits per row for multiple conduit duct section.
- For direct buried duct sections, the concrete jacket required at the conduit by-pass for various utilities shall not be paid for separately but considered incidental to the direct buried conduits.
- After installing all the traffic signal cables, the Contractor shall duct seal all conduits in the pullboxes, traffic signal standards and traffic signal controller cabinet concrete base. The duct seal material shall be approved by the Engineer and shall not be paid for separately but considered incidental to the direct buried and/or concrete encased conduits.
- Sawcutting & repairing of existing A.C. and concrete pavements, replanting grass, and providing topsoil will not be paid for separately, but considered incidental to the various Contract items.
- Pavement structure shall be equal or better than existing pavement in thickness and quality.

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 109	173



WEIGH-IN-MOTION SYSTEM DETAILS
Scale: NTS

7/2/14	Revised detail and added notes.
Date	Revision



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

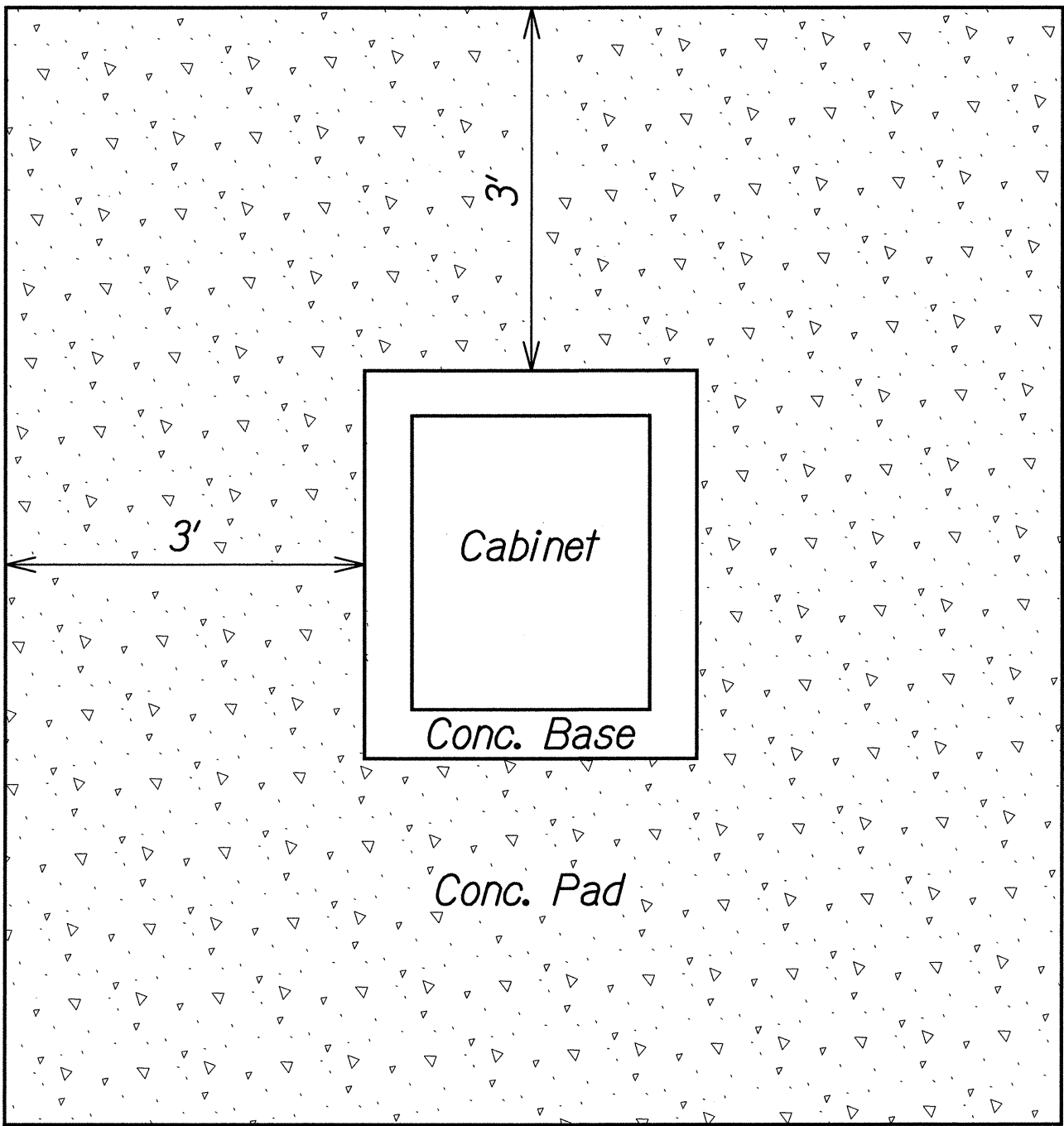
**WEIGH-IN-MOTION STATION
PLAN AND DETAILS**

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

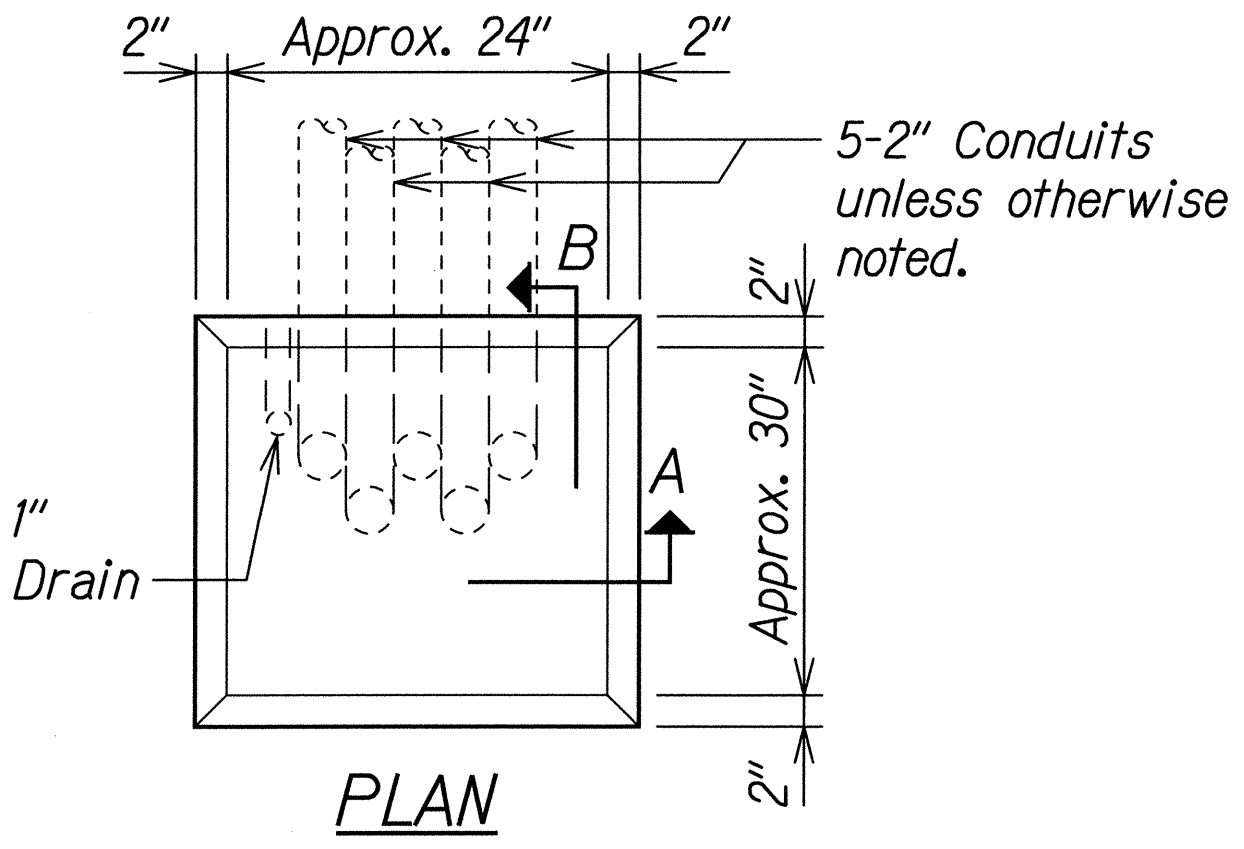
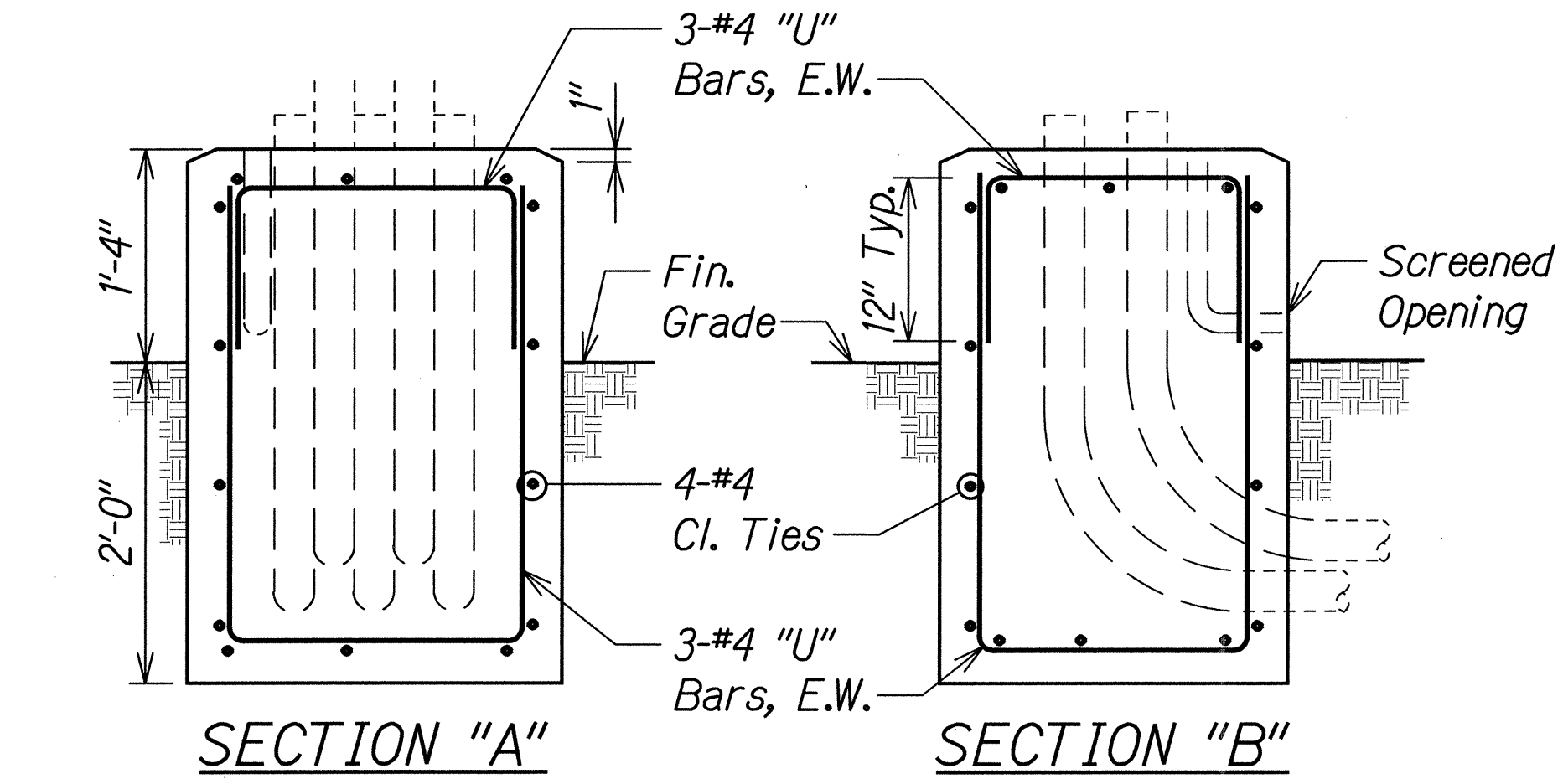
Scale: As shown Date: June 20, 2014

SHEET No. W-2 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7415(001)	2014	ADD. 109 S-1	173

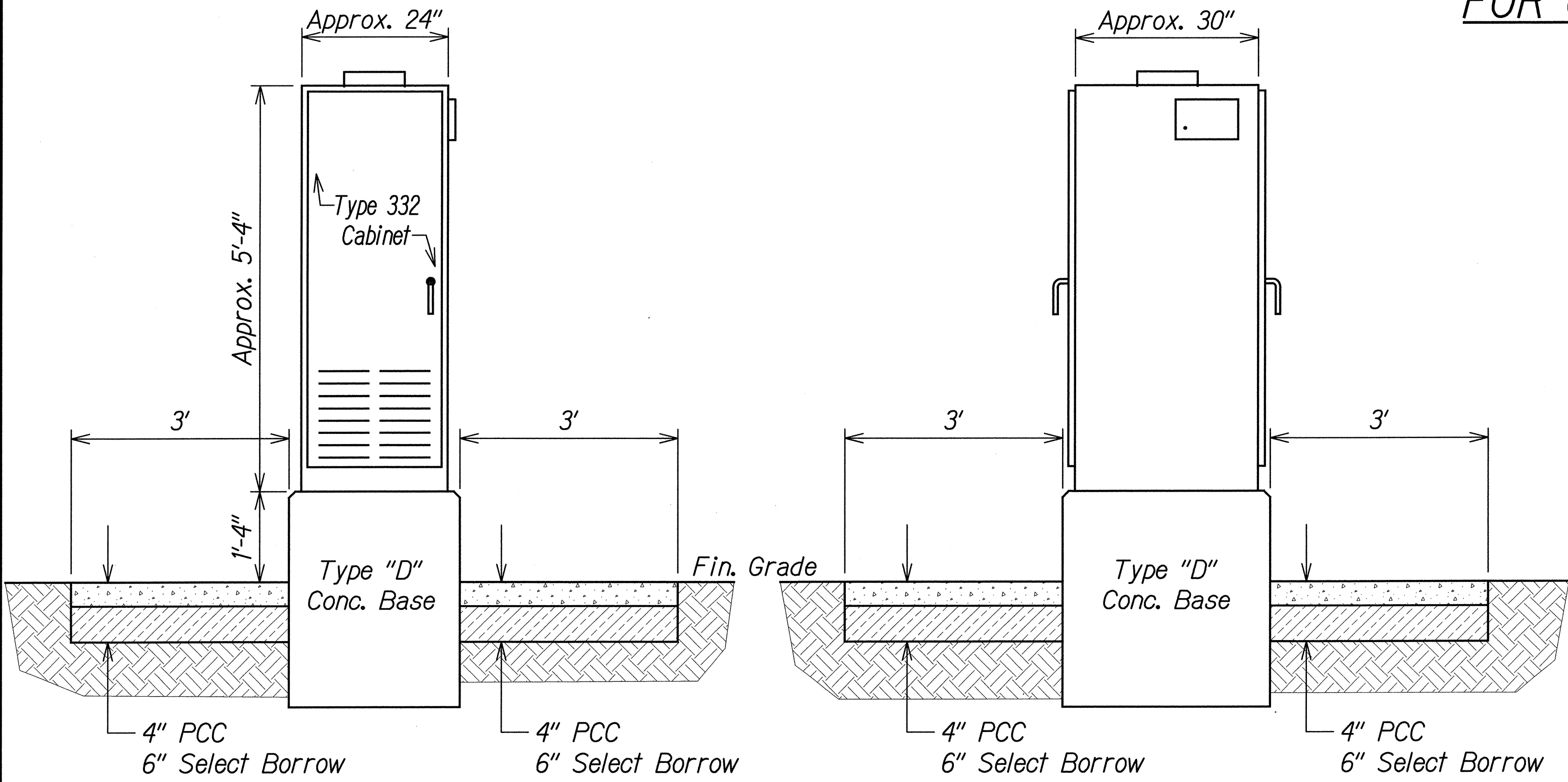


TOP VIEW



TYPE "D" CONC. BASE
FOR CONTROLLER CABINET
Not to Scale

- NOTES:
- Concrete shall be Class "B".
 - Dimensions shall be altered to suit controller cabinet actually furnished.
 - Conduit bends and drain are incidental to concrete base.
 - Refer to Cabinet Manufacturer's Specifications for detail of anchor bolts and base settings.
 - All exposed surfaces of concrete base shall have a Class 2, rubbed finish.



FRONT VIEW

SIDE VIEW

332 CABINET
Not to Scale



WARNING SIGN DETAIL
Not to Scale

- NOTES:
- For sign post detail, see State Standard Plans TE-01 thru TE-04.
 - Two (2) warning signs shall be placed on each sign post "back-to-back".
 - Text on sign shall be centered both ways.

7/2/14	Added Sheet
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE: *P. Uyeda* 04/30/16 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**WEIGH-IN-MOTION
DETAILS**

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: None Date: June 20, 2014