

CONSTRUCTION PHASING NOTES

1. Relocation and/or removal of temporary signs, posts and portable concrete barriers used for Construction Phasing shall be considered incidental to their respective contract items.
2. All temporary signs and delineators for the purposes of Construction Phasing shall become the property of the Contractor at the completion of the project.
3. The Contractor shall delete the use of the ground anchorage steel pin for State Furnished Portable Concrete Barrier.
4. Portable concrete barrier panels not in use during construction work shall not be stockpiled or otherwise stored within the highway rights-of-way except at locations approved by the Engineer.
5. The Contractor shall periodically wash down signs, delineators, cones and portable concrete barriers called for in the Construction Phasing Plans as deemed necessary by the Engineer. This work shall be considered incidental to the various contract items and no payment will be made therefore.
6. The location of pavement markings and signs, delineators, cones and portable concrete barriers used in the Construction Phasing shall be as shown on the plans and/or as determined in the field by the Engineer.
7. Damage to signs, temporary pavement markers, delineators, cones, barricades, sand barrels, lamps and portable concrete barriers caused by the public shall be repaired or replaced by the Contractor as soon as possible or as directed by the Engineer. This work shall be paid for under Item No. 645.0001 – Police Officers and/or Additional Traffic Control Devices. Damage caused by the Contractor's negligence shall be repaired or replaced at the Contractor's expense.
8. Work required in the State's Construction Phase Plans will be paid under applicable contract items or as otherwise specified herein. All other traffic control work shall be in accordance with Section 645 – Traffic Control. Work required for lane closures during the working day will not be paid for but shall be considered incidental to various contract items. Advance Construction Warning Signs as required under Section 645 of the Special Provisions shall be installed on all approaches to construction areas including on-ramps. This work shall be considered incidental to the various contract items.
9. Install Steady Burn Amber Lamps on portable concrete barrier @ 20' o.c. Installing, maintaining and changing batteries of the Portable Mounted Steady Burn Amber Lamps shall be considered incidental to the various contract items.
10. The Type II Barricades with steady burn amber lamp used during Construction Phase shall be considered incidental to the various contract items.
11. All traffic control devices used for this project shall comply with Section 645 – Traffic Control.
12. Existing conflicting pavement markings shall be removed and temporary markings shall be installed before traffic patterns are changed. After completion of the work, temporary markings shall be removed. This work shall be considered incidental to the various contract items.

GENERAL TRAFFIC CONTROL NOTES:

1. Cones or delineators shall be extended to a point where they are visible to approaching traffic.
2. 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.
3. Regulatory and warning signs within the construction zone that are in conflict with the traffic control plans shall be moved or covered.
4. Flaggers and/or Police officers shall be in sight of each other or in direct communication at all times.
5. All construction warning signs shall be promptly removed or covered whenever the message is not applicable or not in use.
6. 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).
7. 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.
8. All traffic control devices used for this project shall comply with Section 645 – Traffic Control.

FED.ROAD DIST.NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAW.	83G-01-10	2011	28	38

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

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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

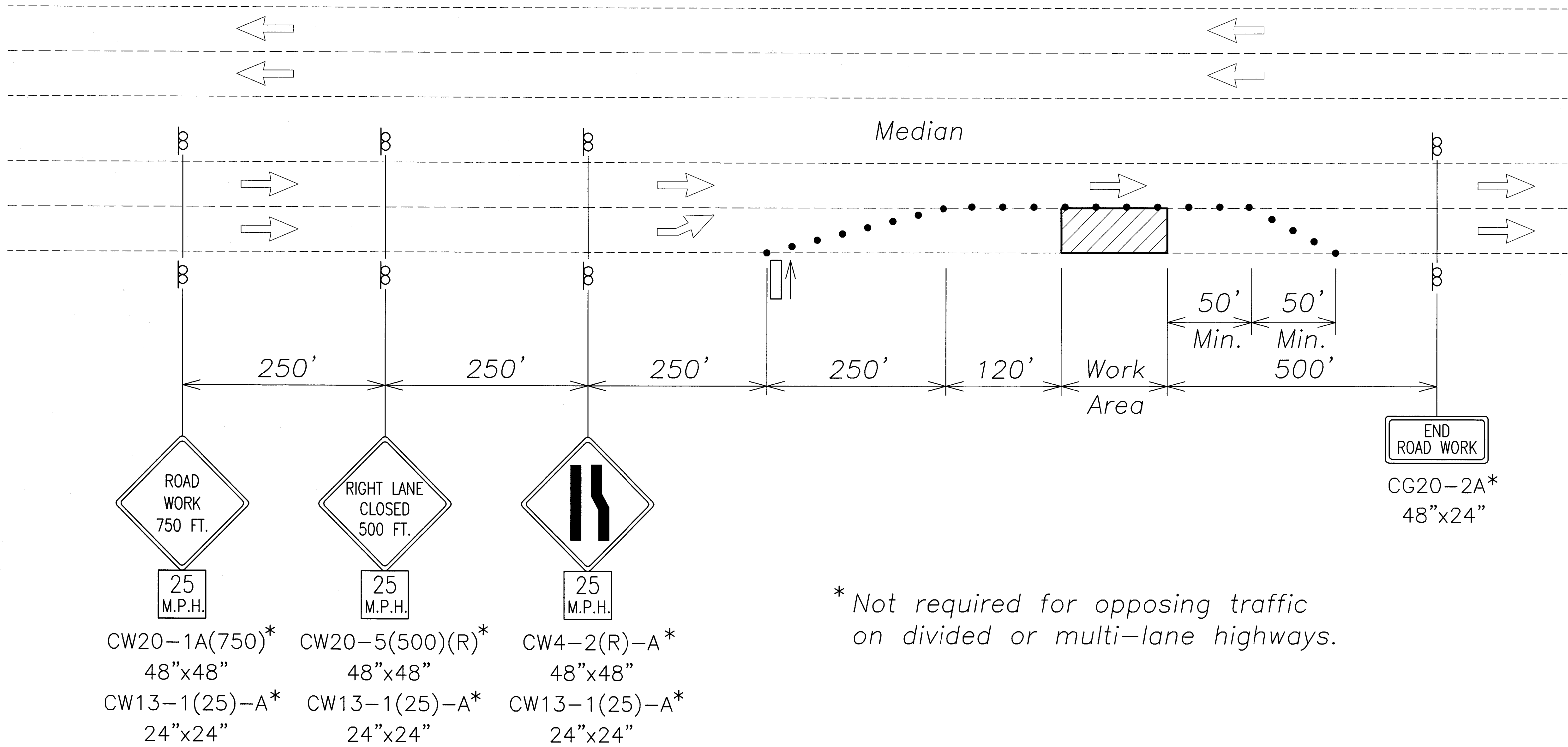
TRAFFIC CONTROL NOTES

TRAFFIC OPERATIONAL IMPROVEMENTS  
AT VARIOUS LOCATIONS  
VICINITY OF KAMEHAMEHA HIGHWAY AND MOKULELE DRIVE  
Project No. 83G-01-10

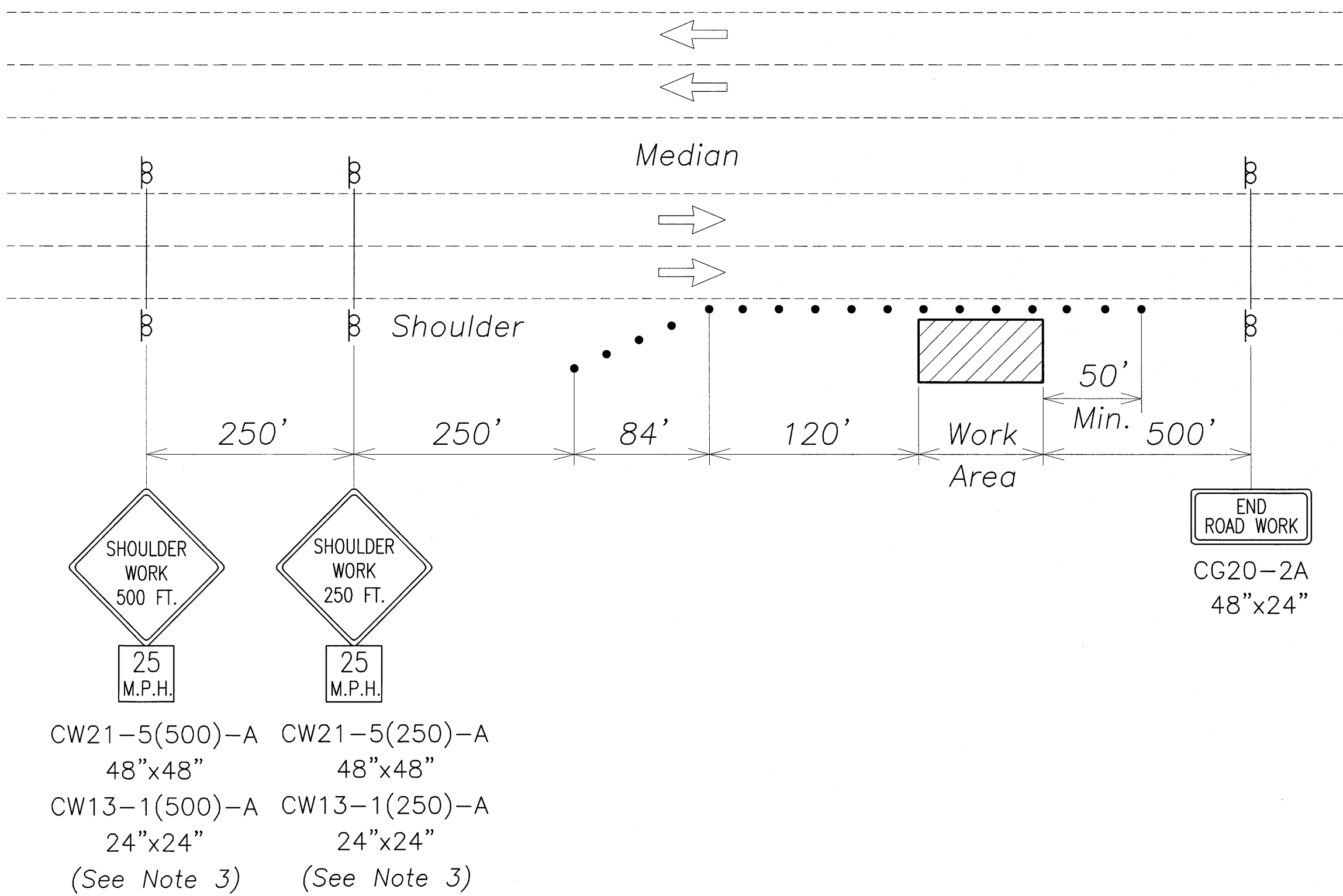
Scale: As Noted      Date: May 2011

SHEET No. 1 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAW.	83G-01-10	2011	29	38



POSTED SPEED LIMIT 35 MPH  
MULTILANE DIVIDED HIGHWAY – ONE LANE CLOSED  
NOT TO SCALE



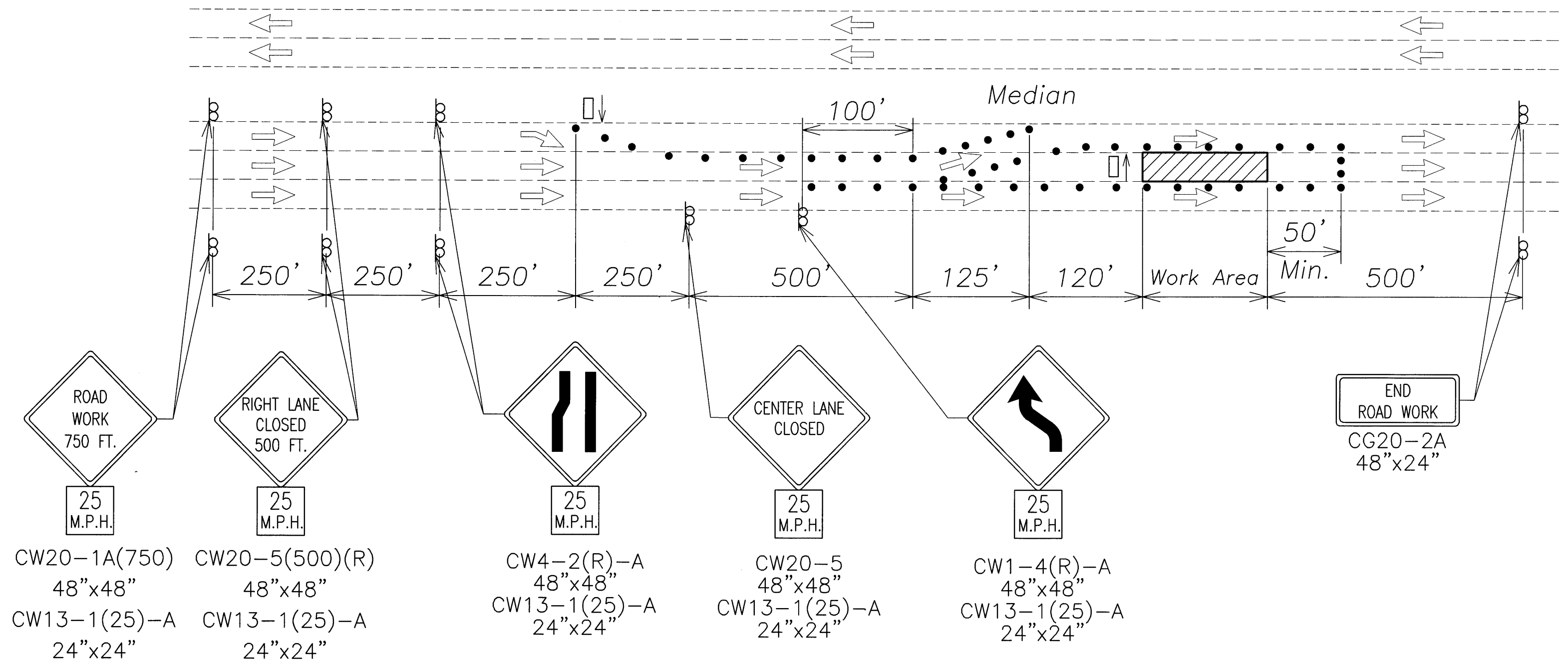
POSTED SPEED LIMIT 35 MPH  
WORKING ON SHOULDER OR ROADSIDE  
NOT TO SCALE

### TRAFFIC CONTROL PLAN NOTES:

- The Working on Shoulder or Roadside Plan may be used only if all road work, including equipment and workers are off the travel way.
- Cone or Delineator spacing will be 35' in the Tangent and Taper and 10' in the Work Area.
- The Engineer will determine if the Advisory Speed Sign is necessary.
- The Contractor will provide necessary adjustments to accomodate bicyclists and pedestrians.
- CW20-1d-A sign is required for a posted speed limit of 45 M.P.H. or greater.
- Signing is not required if the Work Area, including equipment and workers, is outside the Clear Zone Distance, as specified in the latest AASHTO Roadside Design Guide.
- For Work being performed in the Left Lane, Left Lane Closure Signs and Taper shall be substituted.
- For Work being performed in the Left Center Lane, use Mirror image of layout shown with appropriate Left Lane Closure Signs and Taper.

### LEGEND

- Cone or Delineator
- ➡ Direction of Traffic
- ⌘ Sign
- ⬆ Flashing Arrow Signal
- ▬ Portable Concrete Barrier



POSTED SPEED LIMIT 35 MPH  
MULTILANE HIGHWAY – CENTER LANE CLOSED  
NOT TO SCALE

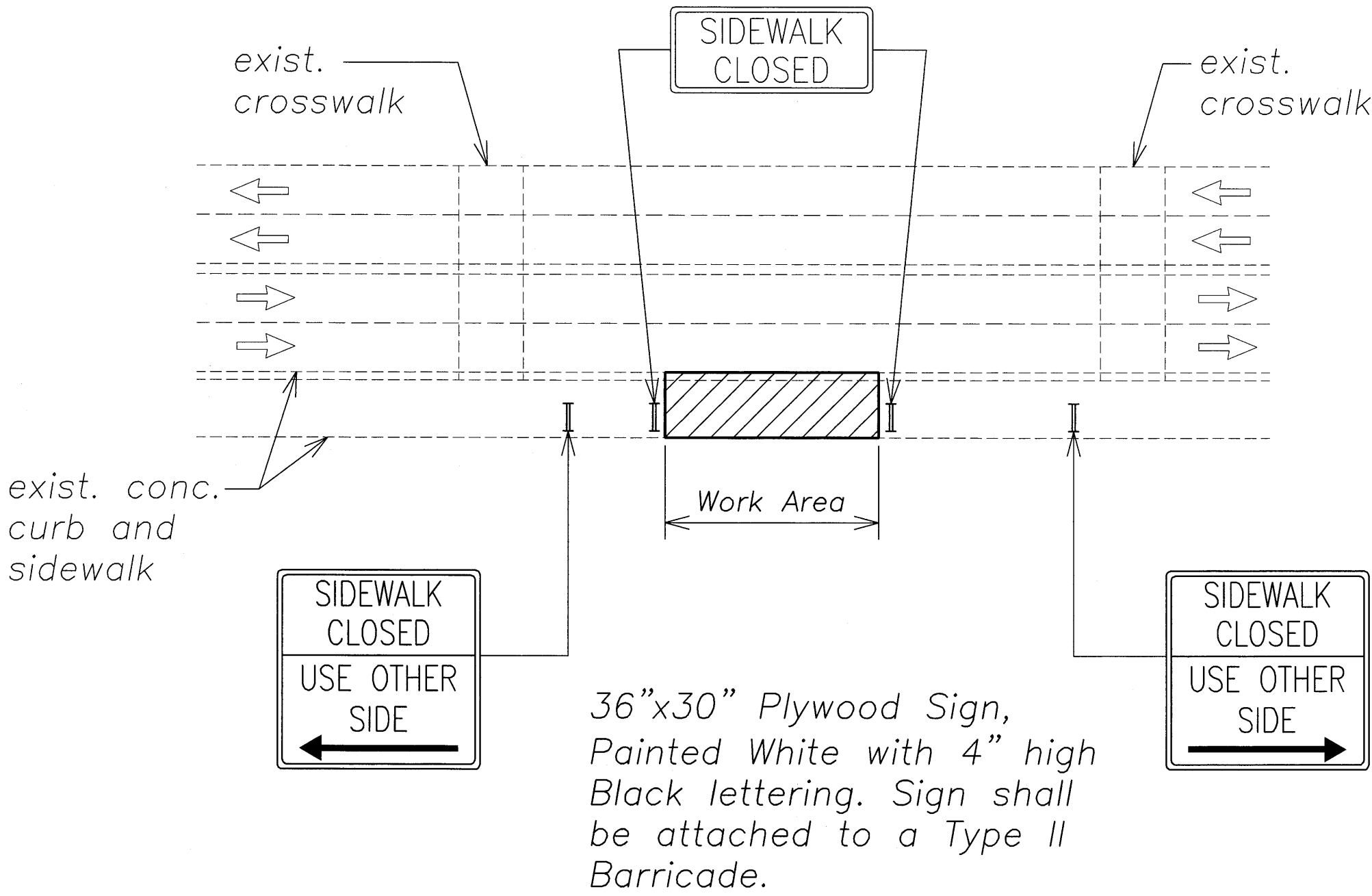
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ORIGINAL PLAN	
NOTE BOOK	
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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

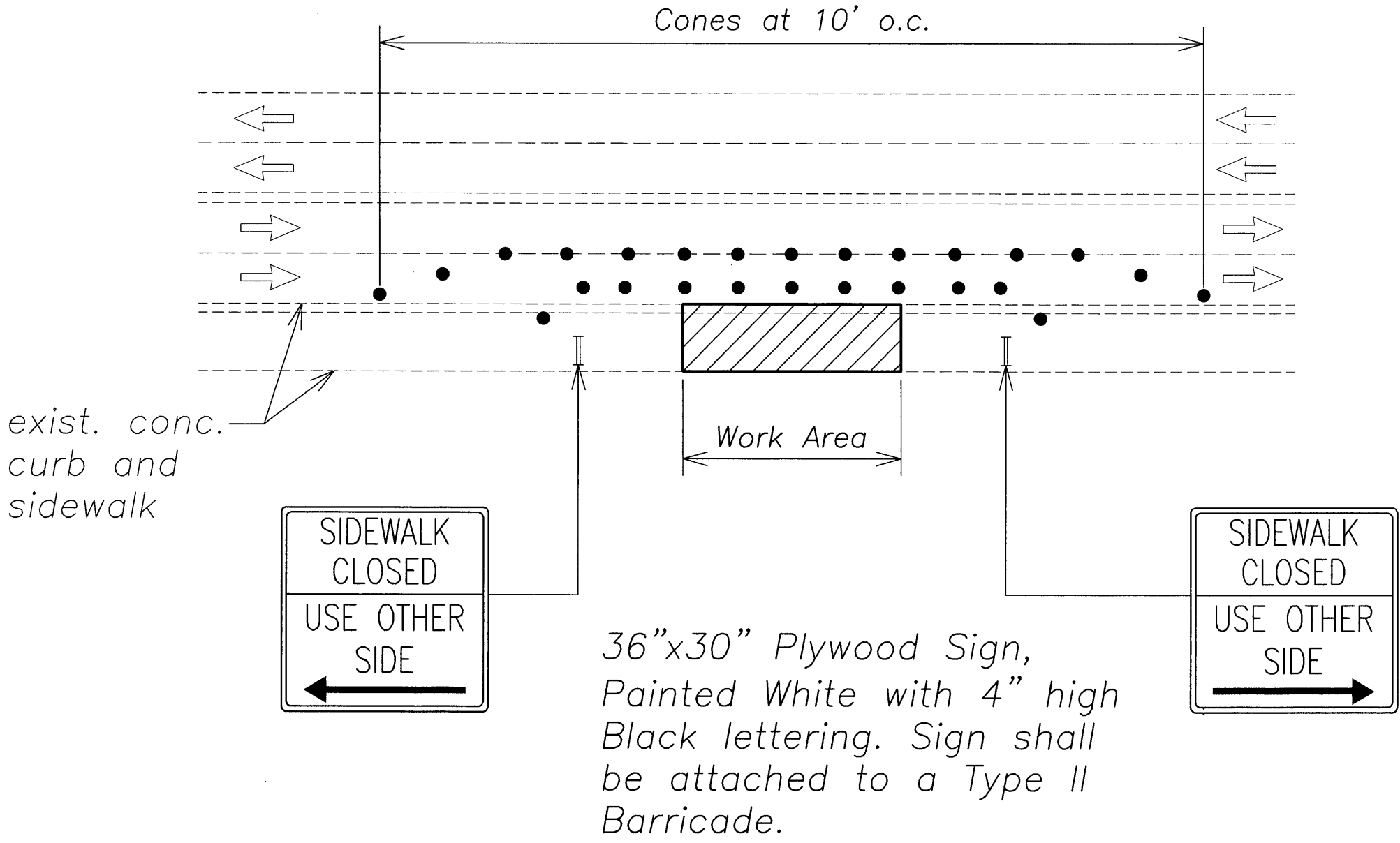
**TRAFFIC CONTROL PLANS**  
**TRAFFIC OPERATIONAL IMPROVEMENTS**  
**AT VARIOUS LOCATIONS**  
VICINITY OF KAMEHAMEHA HIGHWAY AND MOKULELE DRIVE  
Project No. 83G-01-10  
Scale: As Noted Date: May 2011  
SHEET No. 2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAW.	83G-01-10	2011	30	38



**NOTE:**  
Wherever the Work Area interferes with Pedestrian Traffic, the Contractor shall re-route Pedestrian traffic. See Figure 6H-28 (TA-28) of the Manual on Uniform Traffic Control Devices (MUTCD).

**NON-CONED OFF LANES**



**NOTE:**  
Wherever the Work Area interferes with Pedestrian Traffic, the Contractor shall re-route Pedestrian traffic within a Coned-Off Lane and provide 4' (Min.) clearance for Pedestrian Access. See Figure 6H-28 (TA-28) of the Manual on Uniform Traffic Control Devices (MUTCD).

**CONED OFF LANES**

**PEDESTRIAN REROUTING PLAN**  
NOT TO SCALE

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ORIGINAL PLAN	
NOTE BOOK	
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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**PEDESTRIAN REROUTING PLANS**  
  
TRAFFIC OPERATIONAL IMPROVEMENTS  
AT VARIOUS LOCATIONS  
VICINITY OF KAMEHAMEHA HIGHWAY AND MOKULELE DRIVE  
Project No. 83G-01-10  
Scale: As Noted      Date: May 2011  
SHEET No. 3 OF 3 SHEETS