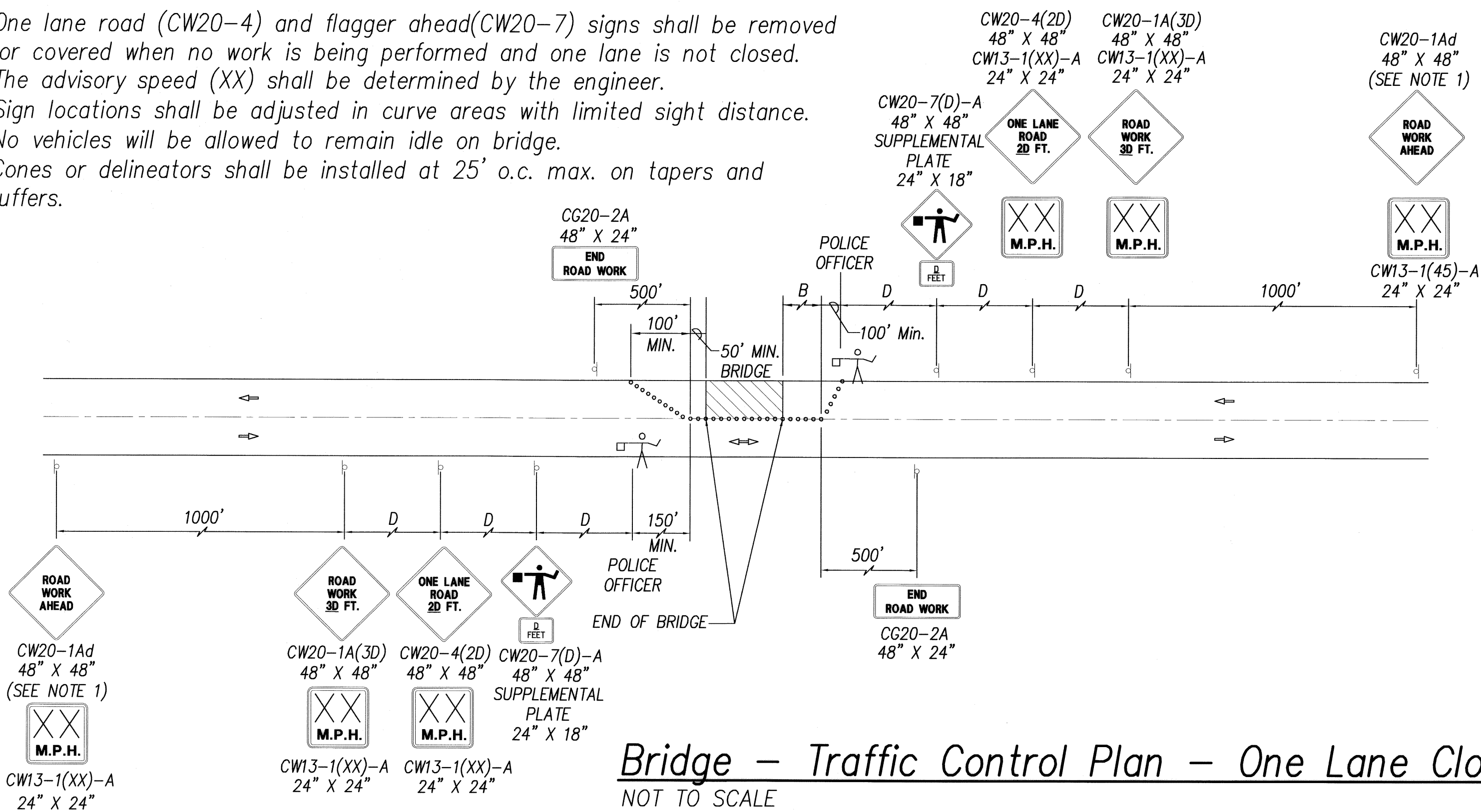


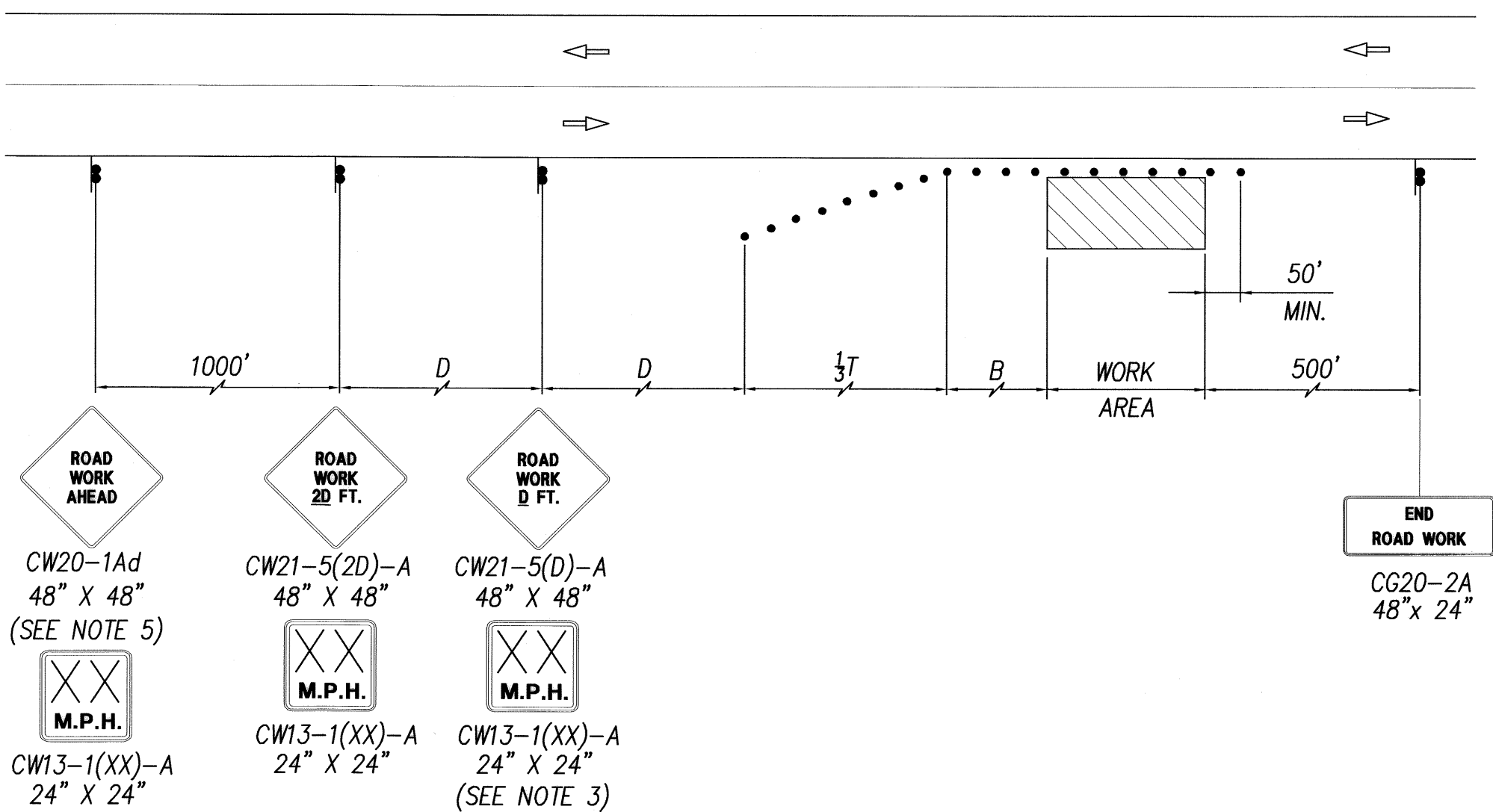
Notes:

- 1. CW20-1Ad sign is required for curved road segments and for posted speed limit of 45 MPH or greater.
- 2. See Table 1 for additional dimensions.
- 3. One lane road (CW20-4) and flagger ahead(CW20-7) signs shall be removed or covered when no work is being performed and one lane is not closed.
- 4. The advisory speed (XX) shall be determined by the engineer.
- 5. Sign locations shall be adjusted in curve areas with limited sight distance.
- 6. No vehicles will be allowed to remain idle on bridge.
- 7. Cones or delineators shall be installed at 25' o.c. max. on tapers and buffers.



Notes:

- 1. This plan may be used only if all road work, including equipment and workers are off the travel way.
- 2. See table 1 for additional dimensions.
- 3. Engineer will determine if Advisory speed sign is necessary.
- 4. Contractor will provide necessary adjustments to accomodate Bicyclists and Pedetrrians.
- 5. CW20-1Ad sign required for posted speed limit of 45 MPH
- 6. 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.



Traffic Control Plan - Working On Shoulder Or Roadside
NOT TO SCALE

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 warnings 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. Sign spacings, (D) taper lengths (T) and spacing or cones or delineators shall be as shown in Table 1, unless otherwise noted on the traffic control plans.
- 7. All traffic lanes shall be a minimum of 10 feet wide.
- 8. All construction warning signs shall be promptly removed or covered whenever the message is not applicable or not in use.
- 9. 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).
- 10. 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 reverse order of installation.
- 11. Permanent pavement markings and traffic signs shall be replaced upon the completion of each phase of work.

TABLE 1 FOR TRAFFIC CONTROL PLAN

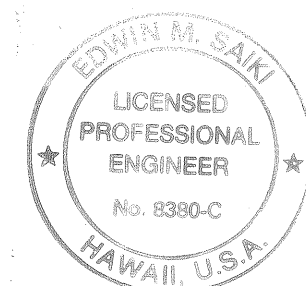
POSTED SPEED LIMIT (M.P.H.)	SIGN SPACING (FEET) (D)	TAPER LENGTH (T) (FEET)		LONGITUDINAL BUFFER SPACE (B) (FEET)	SPACING OF CONES OR DELINEATORS (FEET)		
		W=12' OR LESS ①	W=GREATER THAN 12' ①		TAPER	TANGENT	WORK AREA
20	250	200	W x 17	35	20	20	10
25	250	200	W x 17	55	25	25	10
30	250	250	W x 20	85	30	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:

① W = WIDTH OF LANE, SHOULDER OR OFFSET

Traffic Control Legend

- Cones Or Delineator
- Direction Of Traffic
- ⏏ Sign
- ▨ Work Area
- ⏏ Police Officer



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SIGNATURE: *Edwin M. Saki* 4/30/10
EXP. DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN

HAWAII BELT ROAD
CLEAN AND PAINT STEEL MEMBERS
NINOLE, MAULUA, KUWAIKAHI AND KUKAIAU
PROJECT NO. BR-019-2(59)
Scale: As Noted Date: February 2009

Sheet No. 21 Of 22 Sheets