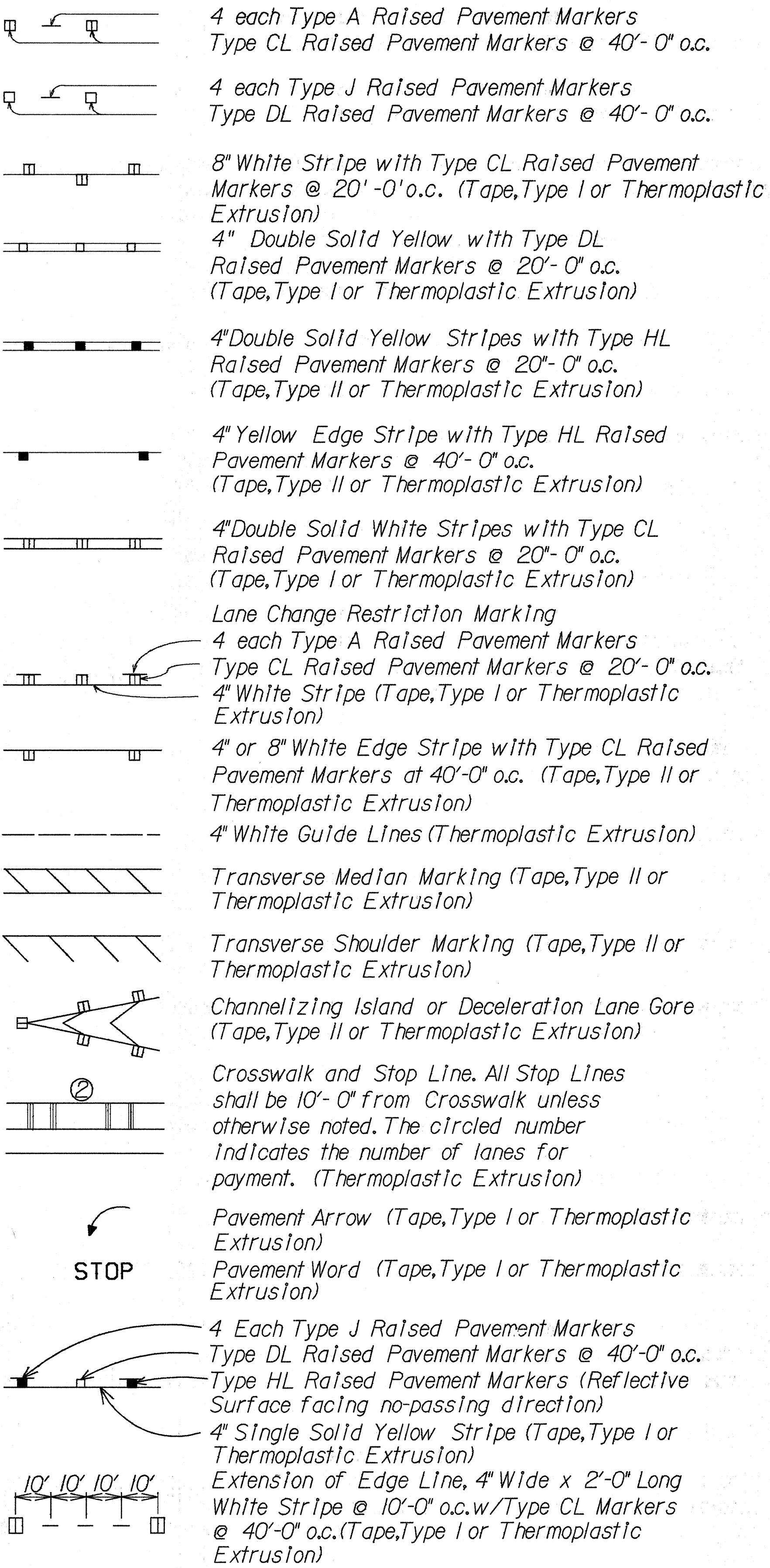
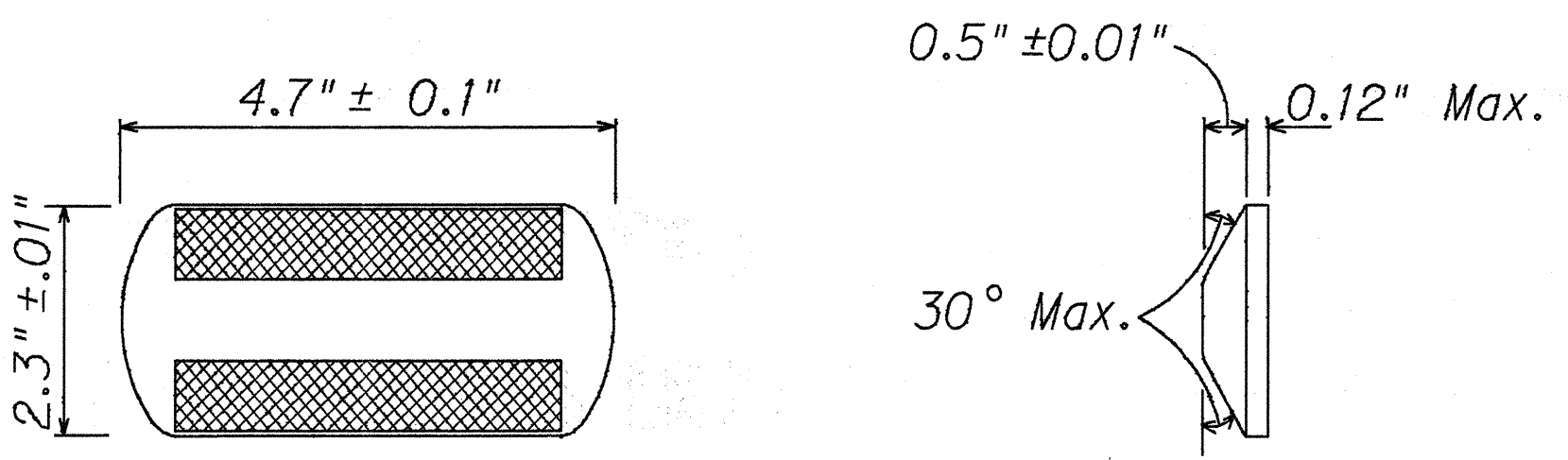


LEGEND

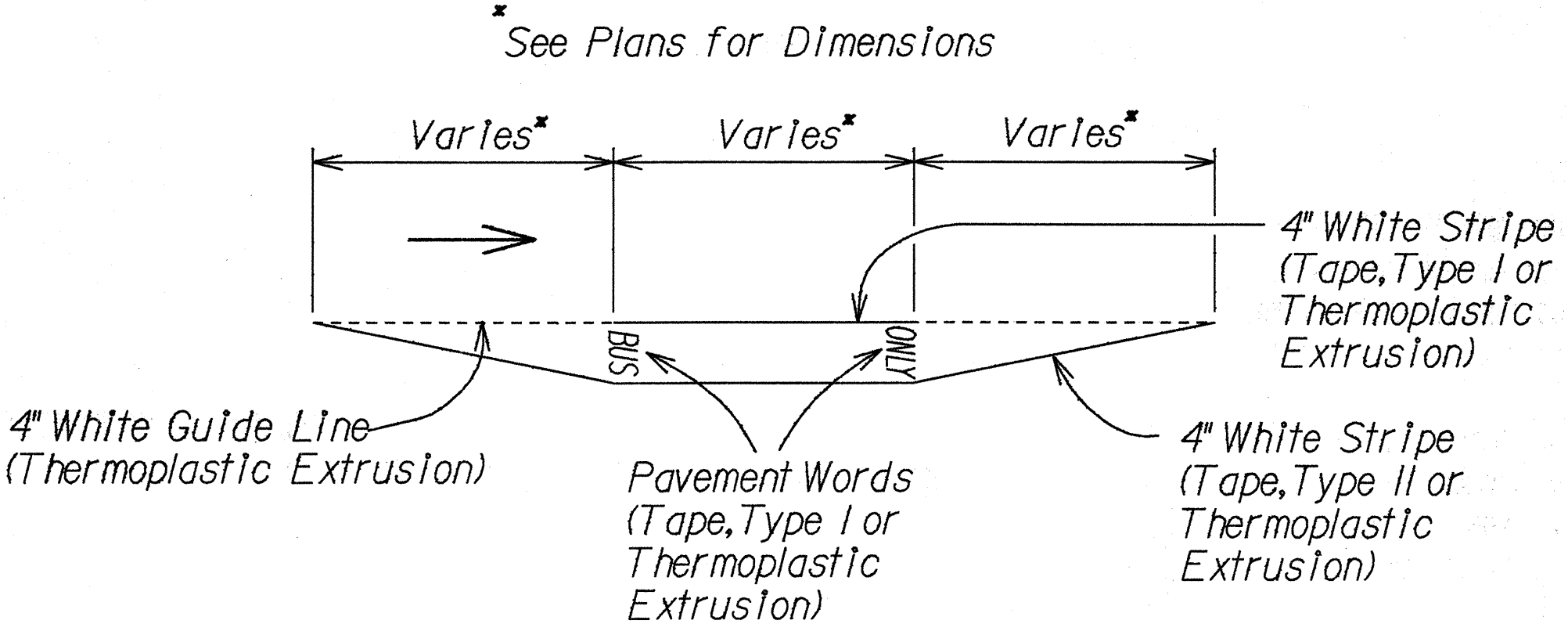


NOTES

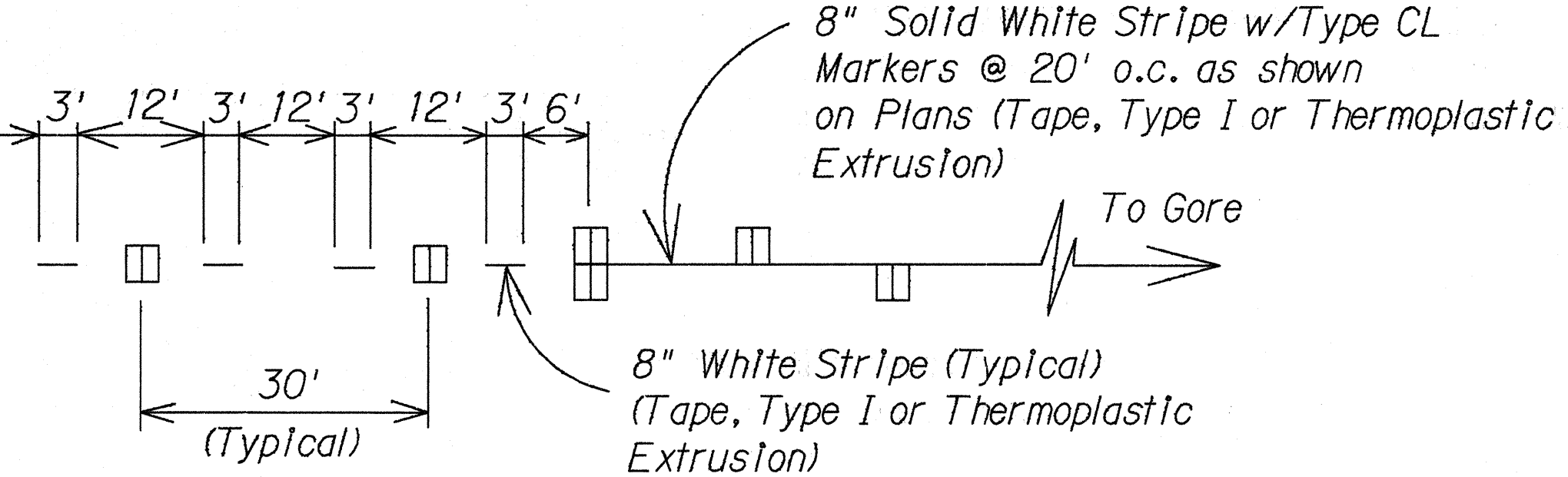
- Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any Installation work.
- Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement marking items.
- Raised pavement markers shall not be installed within crosswalks.
- Details of Type C, Type D and Type H Markers on Standard Plan Nos. TE-30, TE-31 and TE-32 shall be deleted and replaced with details of Type CL, Type DL and Type HL Markers as shown on this sheet. All references to Type C, Type D and Type H Markers in the plans shall mean Type CL, Type DL and Type HL Markers.
- Final locations of all signs shall be approved by the Engineer prior to any installation work.
- Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
- Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
- All pavement striping shall be as noted on the Legend or plans.
- All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
- All new and relocated signs and markers installed on pipe posts, light standard or expressway sign post are to be mounted with band brackets and steel braces.



TYPE CL
Red-Clear Reflective Marker
or
TYPE DL
Two-Way Yellow Reflective Marker
or
TYPE HL
One-Way Yellow Reflective Marker
RAISED PAVEMENT MARKER DETAILS
Not to Scale



TYPICAL BUS BAY STRIPING
Not to Scale



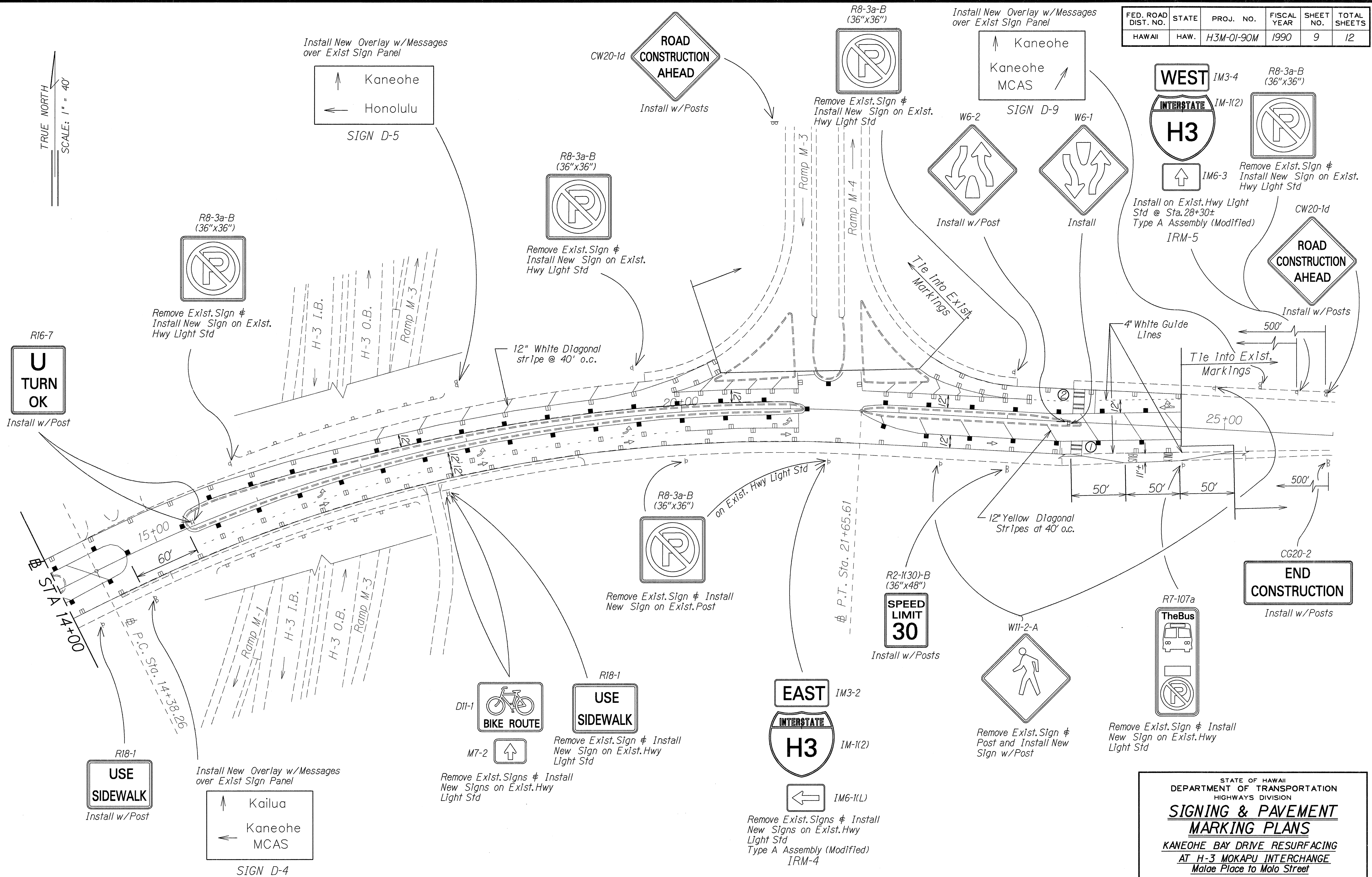
LANE DROP MARKING
Not to Scale

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**PAVEMENT MARKING
LEGEND, DETAILS & NOTES**
KANEHOE BAY DRIVE RESURFACING
AT H-3 MOKAPU INTERCHANGE
Malae Place to Molo Street
PROJECT NO. H3M-01-90M
Scale: As Shown Date: March, 1990
SHEET No. 71 OF 6 SHEETS

DATE	
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
Nº	

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

TRUE NORTH
SCALE: 1" = 40'



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H3M-01-90M	1990	9	12

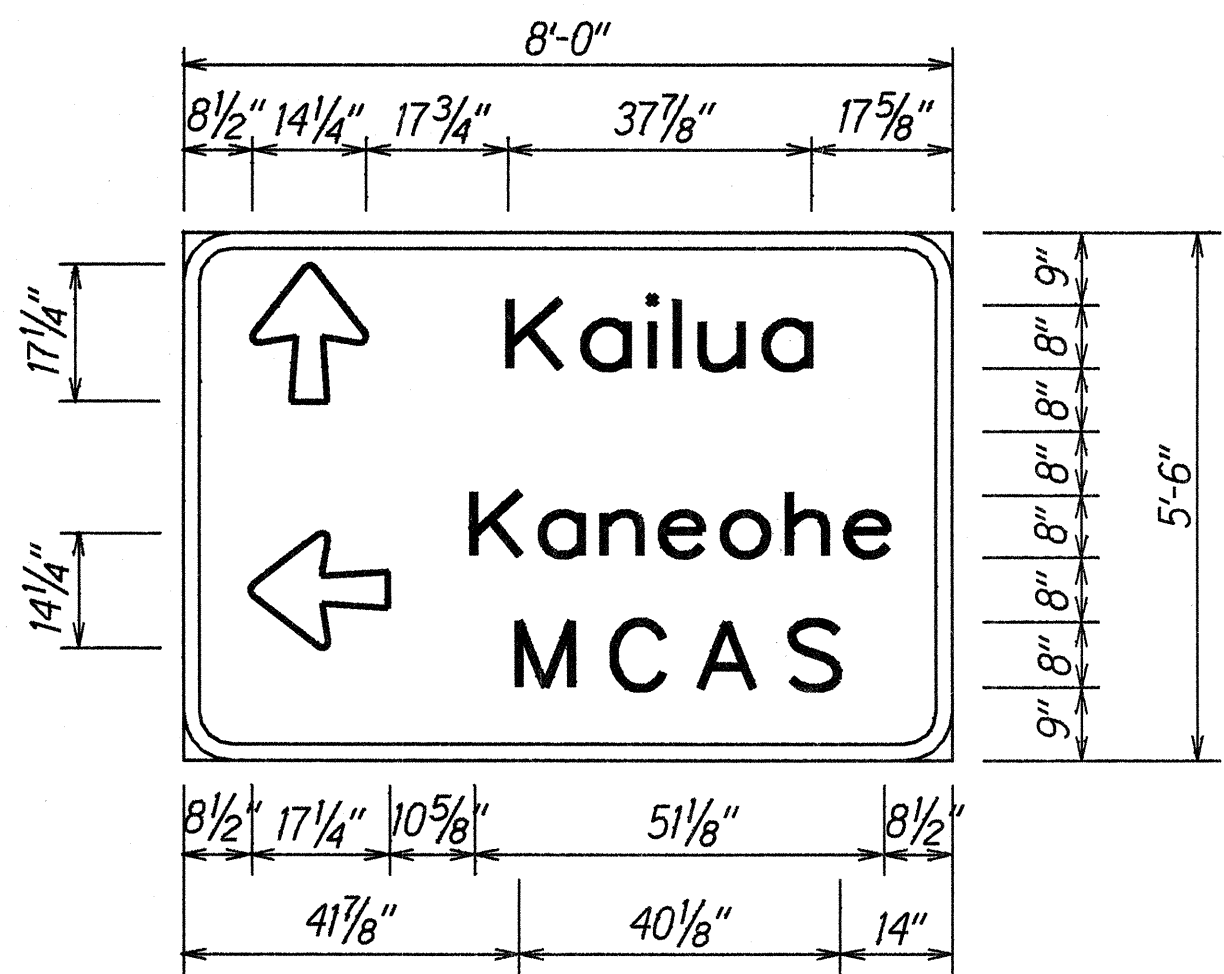
WEST IM3-4 IM-1(2) H3 IM6-3 Install on Exist. Hwy Light Std @ Sta. 28+30± Type A Assembly (Modified) IRM-5	R8-3a-B (36"x36") Remove Exist. Sign & Install New Sign on Exist. Hwy Light Std
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STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION SIGNING & PAVEMENT MARKING PLANS KANEHOE BAY DRIVE RESURFACING AT H-3 MOKAPU INTERCHANGE Malae Place to Molo Street PROJECT NO. H3M-01-90M Scale: As Shown Date: March, 1990 SHEET No. 73 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H3M-01-90M	1990	10	12

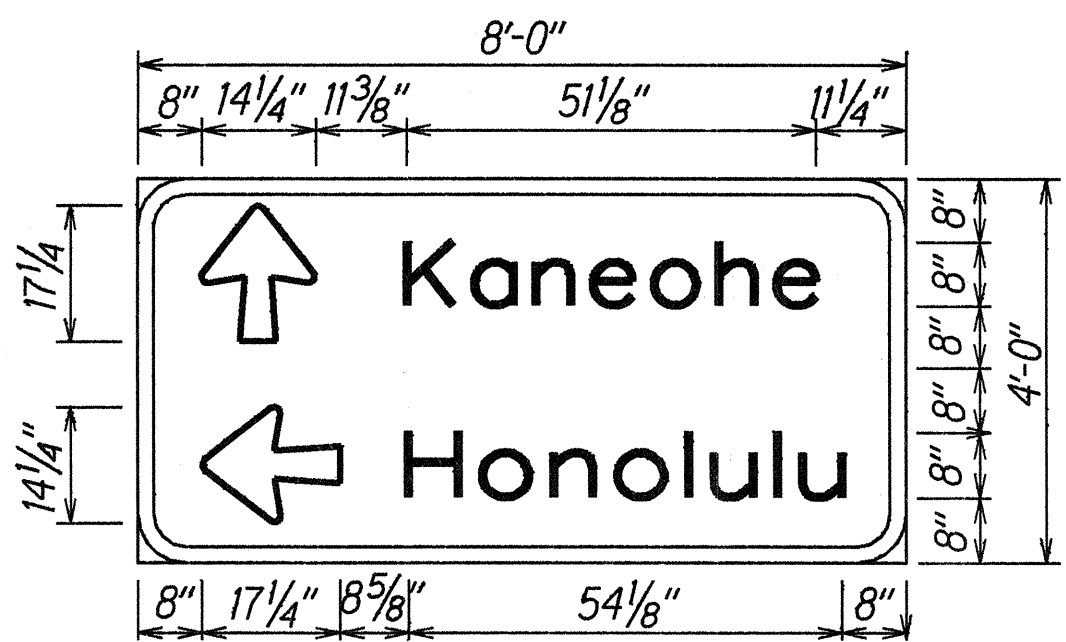
GENERAL NOTES

- The Contractor shall verify the locations and dimensions of existing Sign Panels, supports, and framing.
- Letter Size:
 - When letters are all uppercase, use series "E"
 - When initial uppercase letter is used in conjunction with lowercase letters, use series "E"(M) for uppercase letter.
- Interstate Route marker Symbols shall conform to details shown on the plans and as specified in the MUTCD.
- All overlay panels and signs shall conform to Section 621 of Special Provisions and the latest editions and amendments of the following FHWA publications:
 - "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
 - "Standard Highway Signs"
 - "Standard Alphabets for Highway Signs"
- Borders, messages, arrows, symbols and shield shall conform to details as shown on the plans and as specified in the MUTCD.
- Sign messages shall be as indicated on the plan.
- Sign refurbishing shall consist of removing all existing borders, messages, arrows, symbols and shield from existing sign panel and otherwise clean the existing sign panel prior to installing the background overlay. Overlay panel shall be installed onto the existing sign panels with $\frac{1}{8}$ " blind rivets with a maximum spacing of 1'-0" o.c. New borders, messages, arrows, symbols and shields shall be installed after the background overlay has been properly installed with blind rivets in accordance with the manufacturer's instructions.
- All panels shall be reflectorized in accordance with Section 712.20 of the Standard Specifications. Minimum width of panels shall be 2 ft. abutting edges of panels shall be in only one direction if vertical abutting edges are used, no horizontal abutting edges shall be allowed and vice versa.
- Contractor shall submit all sign splicing details to the Engineer for approval. All backing for signs 4 feet by 6 feet or less shall be of one sheet.



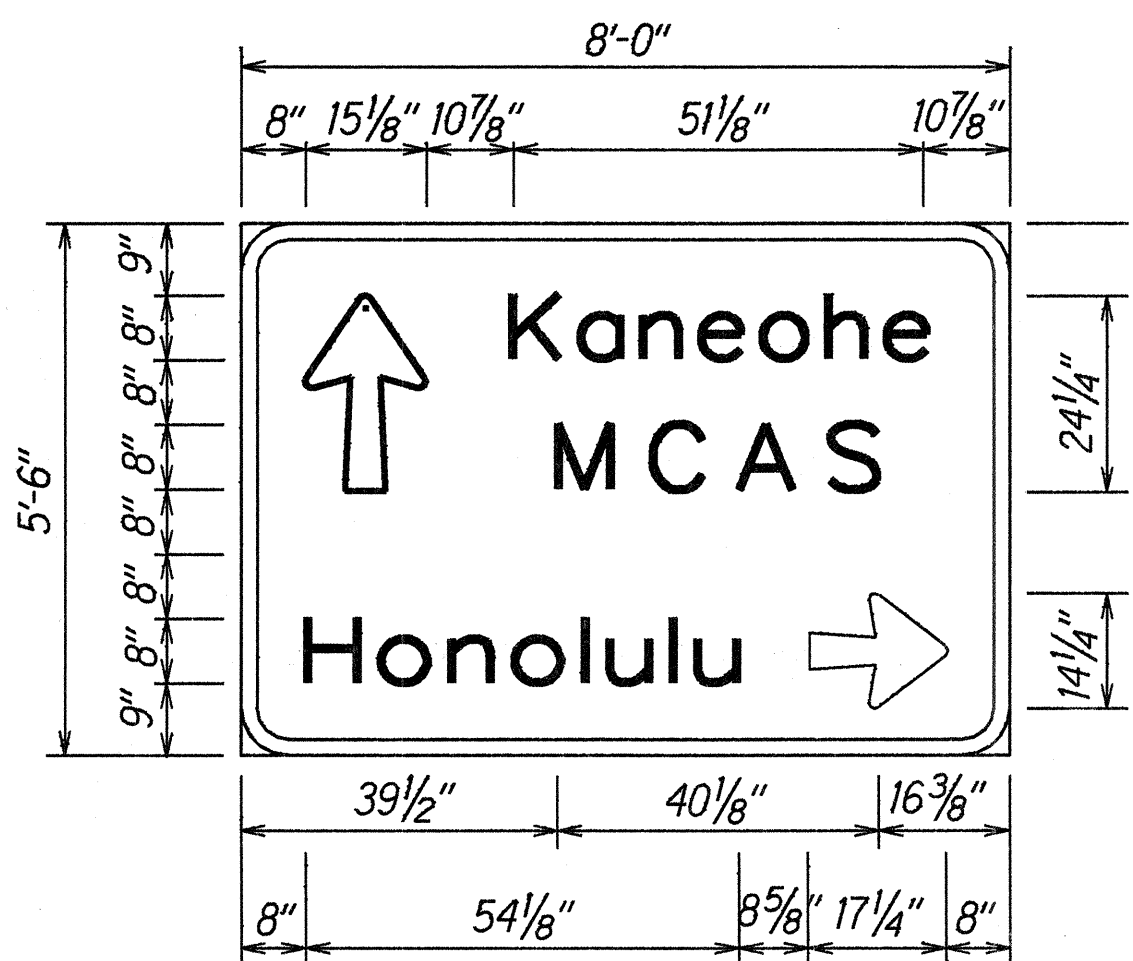
SIGN D-4

Scale: $\frac{1}{2}$ " = 1'-0"



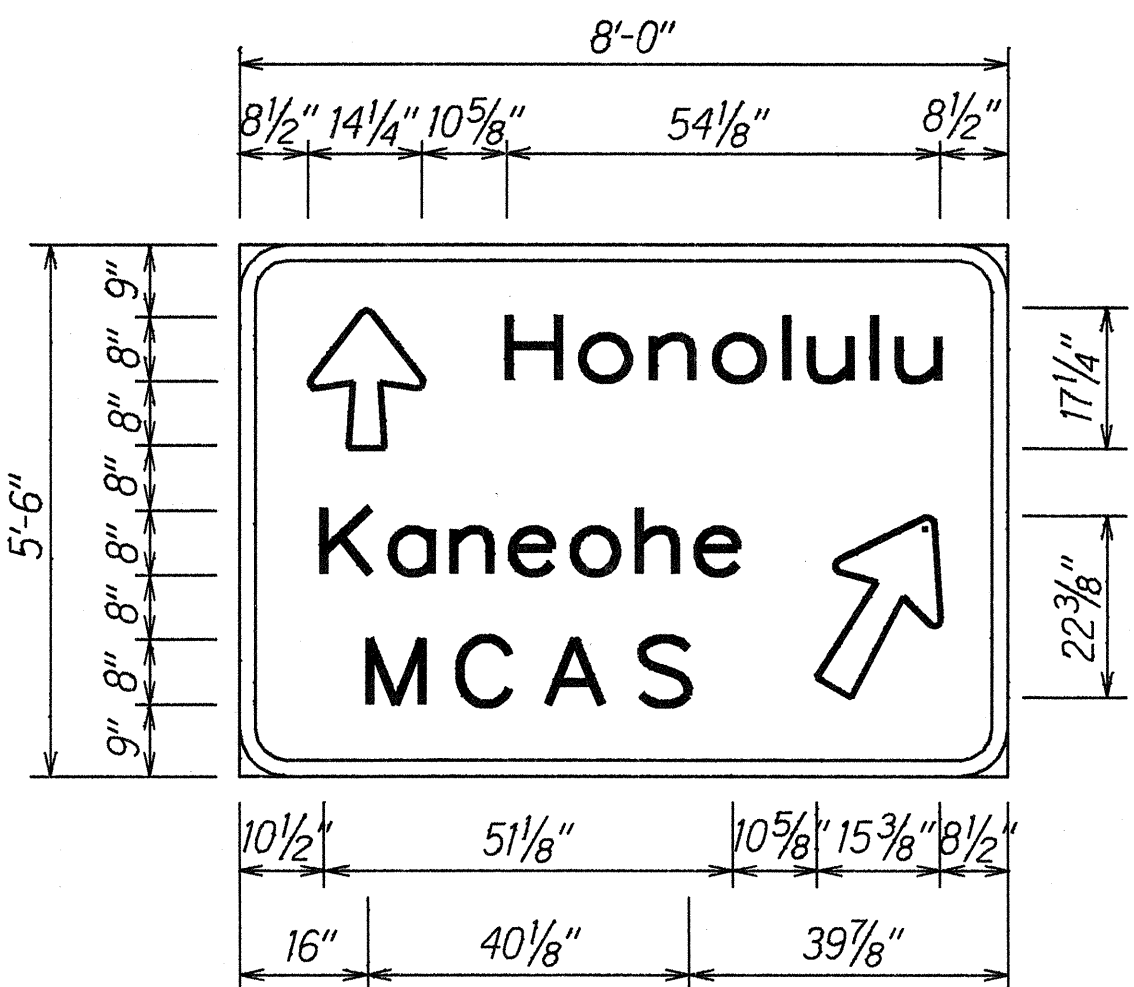
SIGN D-5

Scale: $\frac{1}{2}$ " = 1'-0"



SIGN D-6

Scale: $\frac{1}{2}$ " = 1'-0"



SIGN D-9

Scale: $\frac{1}{2}$ " = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGN PANEL LAYOUT & NOTES

KANEOHE BAY DRIVE RESURFACING
AT H-3 MOKAPU INTERCHANGE
Malae Place to Molo Street
PROJECT NO. H3M-01-90M

Scale: *As Shown* Date: *April, 1990*


SHEET No. **T4** OF **6** SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H3M-01-90M	1990	11	12

PAVEMENT MARKING SUMMARY	
DESCRIPTION	QUANTITY
PAVEMENT MARKERS	
TYPE A _____	—
TYPE CL _____	163 EA
TYPE DL _____	3 EA
TYPE HL _____	113 EA
TYPE J _____	3 EA
TAPE - TYPE I OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	770 L.F.
4-INCH PAVEMENT STRIPE (YELLOW) _____	—
8-INCH PAVEMENT STRIPE (WHITE) _____	185 L.F.
12-INCH PAVEMENT STRIPE (WHITE) _____	—
12-INCH PAVEMENT STRIPE (YELLOW) _____	—
DOUBLE 4-INCH PAVEMENT STRIPE (YELLOW) _____	810 L.F.
PAVEMENT ARROW _____	13 EA
PAVEMENT WORD _____	4 EA
TAPE - TYPE II OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	4,030 L.F.
4-INCH PAVEMENT STRIPE (YELLOW) _____	2,140 L.F.
8-INCH PAVEMENT STRIPE (WHITE) _____	860 L.F.
12-INCH PAVEMENT STRIPE (WHITE) _____	220 L.F.
12-INCH PAVEMENT STRIPE (YELLOW) _____	420 L.F.
THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	450 L.F.
8-INCH PAVEMENT STRIPE (WHITE) _____	—
12-INCH PAVEMENT STRIPE (WHITE) _____	145 L.F.
DOUBLE 4-INCH DASHED PAVEMENT STRIPE (YELLOW) _____	430 L.F.
CROSSWALK MARKINGS _____	10 LANE

ROUTE MARKER SUMMARY						
SIGN ASSEMBLY	LOCATION	SIGN NO. AND MESSAGE	TYPE A ASSEMBLY		TYPE B ASSEMBLY	
			W/POST	W/O POST	W/POST	W/O POST
IRM-1	STA. 2+40± RT	IM3-4 WEST IM-1(2) H3 IM5-1(R) ➡	1			
IRM-2	STA. 7+30± RT	IM3-4 WEST IM-1(2) H3 IM6-2(R) IM6-1(R) ➡	1			
IRM-3	STA. 12+50± LT	IM3-4 WEST IM-1(2) H3 IM6-2(L) IM6-1(L) ←		1		
IRM-4	STA. 21+35± RT	IM3-2 EAST IM-1(2) H3 IM6-1(L) ←		1		
IRM-5	STA. 28+30± LT	IM3-4 WEST IM-1(2) H3 IM6-3 ↑		1		
TOTAL			2	3		

CONSTRUCTION SIGN SUMMARY				
SIGN NO.	LOCATION	MESSAGE	W/POST	W/O POST
CW20-1d	STA. -2+85± RT	ROAD CONSTRUCTION AHEAD	1	
CG20-2	STA. -2+85± LT	END CONSTRUCTION	1	
CW20-1d	RAMP M-1	ROAD CONSTRUCTION AHEAD	1	
CW20-1d	RAMP M-3	ROAD CONSTRUCTION AHEAD	1	
CW20-1d	STA. 30+00± LT	ROAD CONSTRUCTION AHEAD	1	
CG20-2	STA. 30+00± RT	END CONSTRUCTION	1	
TOTAL			6	

<u>LEGEND FOR</u> <u>AS-BUILT POSTINGS</u>	
	Squiggly line for as-built deletion
100.00	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SUMMARIES

KANEHOE BAY DRIVE RESURFACING
AT H-3 MOKAPU INTERCHANGE
Malae Place to Molo Street
PROJECT NO. H3M-01-90M

Date: March, 1990

SHEET No. 75 OF 6 SHEETS

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H3M-01-90M	1990	12	12

DESTINATION SIGN SUMMARY						
SIGN NO.	LOCATION	MESSAGE	SIZE	OVERLAY AREA (SQ. FT.)	NEW PANEL AREA (SQ. FT.)	
					W/O POST	W/POST
D-4	STA. 14+80± RT	↑ Kailua ← Kaneohe MCAS	5'-6" X 8'-0"	44.00		
D-5	STA. 18+00± LT	↑ Kaneohe ← Honolulu	4'-0" X 8'-0"	32.00		
D-6	STA. 5+20± RT	↑ Kaneohe MCAS Honolulu →	5'-6" X 8'-0"		44.00	
D-9	STA. 25+40± LT	↑ Kaneohe Kaneohe MCAS ↗	5'-6" X 8'-0"	44.00		
TOTAL				120.00	44.00	

TRAFFIC SIGN SUMMARY					
SIGN NO.	MESSAGE	QUANTITY			
		10 SQ. FT. OR LESS		GREATER THAN 10 SQ. FT.	
		W/POST	W/O POST	W/POST	W/O POST
R1-2-A	YIELD			1	
R2-1(30)-B	SPEED LIMIT 30			2	
R3-4-B	NO U TURN SYMBOL		1		
R7-107a	THEBUS STOP SYMBOL	1	2		
R8-3a-B	NO PARKING SYMBOL		10		
R16-6	U TURN AHEAD	1			
R16-7	U TURN OK	1	1		
R18-1	USE SIDEWALK	1	4		
D11-1	BIKE ROUTE		8		
M7-2	↑		8		
W6-1	DIVIDED HIGHWAY SYMBOL		2		
W6-2	DIVIDED HIGHWAY ENDS SYMBOL	2			
W11-2-A	PEDESTRIAN CROSSING SYMBOL	2	2		
TOTAL		8	38	3	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SUMMARIES

KANEHOE BAY DRIVE RESURFACING
AT H-3 MOKAPU INTERCHANGE
Malae Place to Malo Street
PROJECT NO. H3M-01-90M

Date: March, 1990

SHEET No. 76 OF 6 SHEETS

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