STEEL SOIL REINFORCEMENT TABLES

An MSE utilizes galvanized steel welded wire soil reinforcement mats configured as shown on the Bridge Standard Detail Sheets (XS sheets). The vertical and horizontal spacing of each wire mat is 30 inches on center, maximum. The wire sizes shown accommodate 75 years of typical corrosion loss calculated per the California Amendments.

Steel Soil Reinforcement For Case Load 1

H1 (H)	6′-8″ (5′-0″)	9′-2″ (7′-6″)	11′-8″ (10′-0”)	14′-2″ (12′-6″)
BW (L)	9′-6″ (8′-0″)	9′-6″ (8′-0″)	9′-6″ (8′-0″)	11′-6″ (10′-0″)
	Top 4-W15xW15@6 Bot. 4-W15xW15@6	Top 4-W15xW15@6 1 of 4-W15xW15@6 Bot. 4-W15xW15@6	Top 4-W15xW15@6 2 of 4-W15xW15@6 Bot. 4-W20xW15@9	Top 4-W15xW15@6 3 of 4-W15xW15@6 Bot. 4-W20xW15@9

H1 (H)	16′-8″ (15′-0″)	19′-2″ (17′-6″)	21′-8″ (20′-0″)	24′-2″ (22′-6″)
BW (L)	13′-6″ (12′-0″)	15′-6” (14′-0″)	17′-6” (16′-0″)	18′-6” (17′-0″)
	Top 4-W15xW15@6 3 of 4-W15xW15@6 1 of 4-W20xW15@9 Bot. 4-W20xW15@9	Top 4-W15xW15@6 4 of 4-W15xW15@6 1 of 4-W20xW15@9 Bot. 4-W20xW15@9	Top 4-W15xW15@6 4 of 4-W15xW15@18 2 of 4-W20xW15@24 Bot. 4-W20xW15@24	Top 4-W15xW15@6 4 of 4-W15xW15@18 3 of 4-W20xW15@24 Bot. 4-W20xW15@24

H1 (H)	26′-8″ (25′-0″)	29′-2″ (27′-6″)	31′-8″ (30′-0″)	34′-2″ (32′-6″)
BW (L)	20′-6″ (19′-0″)	21′-6″ (20′-0″)	23′-6″ (22′-0″)	25′-6″ (24′-0″)
	Top 4-W15xW15@6 4 of 4-W15xW15@18 3 of 4-W20xW15@24 1 of 6-W25xW15@24 Bot. 6-W25xW15@24	Top 4-W15xW15@6 4 of 4-W15xW15@18 3 of 4-W20xW15@24 2 of 6-W25xW15@24 Bot. 6-W25xW15@24	Top 4-W15xW15@6 4 of 4-W15xW15@18 4 of 4-W20xW15@24 2 of 6-W25xW15@30 Bot. 6-W25xW15@30	Top 4-W15xW15@18 4 of 4-W15xW15@18 4 of 4-W20xW15@24 3 of 6-W25xW15@30 Bot. 6-W25xW15@30

H1 (H)	36′-8″ (35′-0″)	39′-2″ (37′-6″)	41′-8″ (40′-0″)	44′-2″ (42′-6″)
BW (L)	26′-6″ (25′-0″)	29′-6″ (28′-0″)	30′-6″ (29′-0″)	33′-6″ (32′-0″)
	Top 4-W15xW15@18 4 of 4-W15xW15@18 4 of 4-W20xW15@24 4 of 6-W25xW15@30 Bot. 6-W25xW15@30	Top 4-W15xW15@18 4 of 4-W15xW15@18 5 of 4-W20xW15@24 4 of 6-W25xW15@30 Bot. 6-W25xW15@30	Top 4-W15xW15@18 4 of 4-W15xW15@18 5 of 4-W20xW15@24 5 of 6-W25xW15@30 Bot. 6-W25xW15@30	Top 4-W15xW15@18 4 of 4-W15xW15@18 5 of 4-W20xW15@24 6 of 6-W25xW15@30 Bot. 6-W25xW15@30

ATTACHMENT 3

Steel Soil Reinforcement For Case Load 2

H	5′-0″	7′-6″	10′-0″	12′-6″
BW (L)	9′-6″ (8′-0″)	9′-6″ (8′-0″)	11′-6″ (10′-0″)	14′-0″ (12′-6″)
	Top 4-W15xW15@18 Bot. 4-W15xW15@6	Top 4-W15xW15@18 1 of 4-W15xW15@18 Bot. 4-W15xW15@6	Top 4-W15xW15@18 2 of 4-W15xW15@18 Bot. 4-W15xW15@6	Top 4-W15xW15@18 3 of 4-W15xW15@18 Bot. 4-W15xW15@6

H	15′-0″	17′-6″	20′-0″	22′-6″
BW (L)	16′-6″ (15′-0″)	19′-0″ (17′-6″)	21′-6″ (20′-0″)	24′-0″ (22′-6″)
	Top 4-W15xW15@18 4 of 4-W15xW15@18 Bot. 4-W15xW15@18	Top 4-W15xW15@30 5 of 4-W15xW15@30 Bot. 4-W20xW15@24	Top 4-W15xW15@30 5 of 4-W15xW15@30 1 of 4-W20xW15@24 Bot. 4-W20xW15@24	Top 4-W15xW15@30 5 of 4-W15xW15@30 2 of 4-W20xW15@24 Bot. 4-W20xW15@24

H	25′-0″	27′-6″	30′-0″	32′-6″
BW (L)	26′-6″ (25′-0″)	29′-0” (27′-6″)	31′-6” (30′-0″)	34′-0” (32′-6″)
	Top 4-W15xW15@30 5 of 4-W15xW15@30 3 of 4-W20xW15@24 Bot. 6-W25xW15@30	Top 4-W15xW15@30 5 of 4-W15xW15@30 3 of 4-W20xW15@24 1 of 6-W25xW15@30 Bot. 6-W25xW15@30	Top 4-W15xW15@30 5 of 4-W15xW15@30 3 of 4-W20xW15@24 2 of 6-W25xW15@30 Bot. 6-W25xW15@30	Top 4-W15xW15@30 5 of 4-W15xW15@30 3 of 4-W20xW15@24 3 of 6-W25xW15@30 Bot. 6-W25xW15@30

H	35′-0″	37′-6″	40′-0″	42′-6″
BW (L)	36′-6″ (35′-0″)	39′-6″ (37′-6″)	41′-6″ (40′-0″)	44′-6″ (42′-0″)
	Top 4-W15xW15@30 4 of 4-W15xW15@30 4 of 4-W20xW15@24 4 of 6-W25xW15@30 Bot. 6-W25xW15@30	Top 4-W15xW15@30 4 of 4-W15xW15@30 4 of 4-W20xW15@24 5 of 6-W25xW15@30 Bot. 6-W25xW15@30	Top 4-W15xW15@30 4 of 4-W15xW15@30 4 of 4-W20xW15@24 6 of 6-W25xW15@30 Bot. 6-W25xW15@30	Top 4-W15xW15@30 4 of 4-W15xW15@30 4 of 4-W20xW15@24 7 of 6-W25xW15@30 Bot. 6-W25xW15@30

Example Configuration:	3 of 4-W20xW15@24
3 of	= 3 levels of reinforcement mats with
4-W20x	= 4 longitudinal wires W20 sized by
W15@24	= W15 sized transverse wires at 24-inch spacing