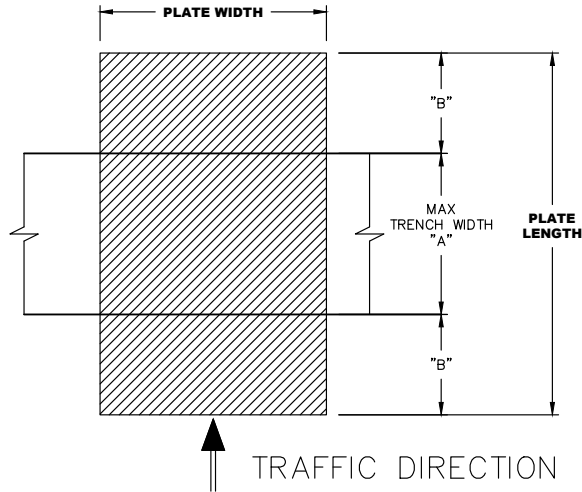
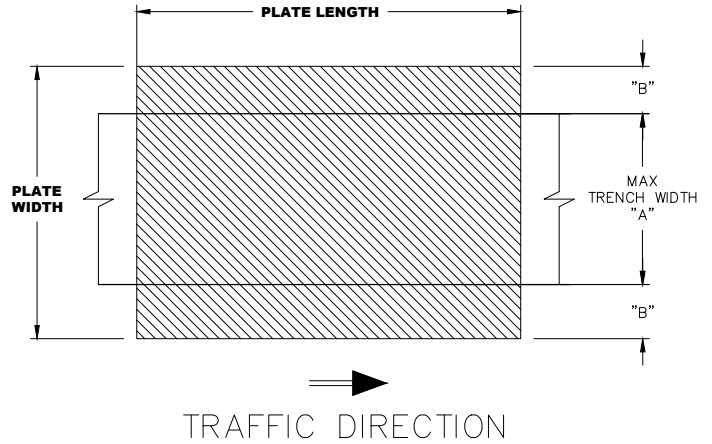


SINGLE PLATE PERPENDICULAR



SINGLE PLATE PARALLEL



SINGLE PLATE - 1" Thick								
PLATE WIDTH (FT.)	PLATE LENGTH (FT.)	PLATE THICKNESS	WEIGHT (LBS)	PARALLEL		PERPENDICULAR		TOTAL THICKNESS
				"A"	"B"	"A"	"B"	
4	4	1"	653	12"	18"	12"	18"	1"
4	8	1"	1,307	12"	18"	42"	27"	1"
5	5	1"	1,021	24"	18"	24"	18"	1"
5	8	1"	1,634	24"	18"	48"	24"	1"
5	10	1"	2,042	24"	18"	48"	36"	1"
5	12	1"	2,450	24"	18"	48"	48"	1"
6	8	1"	1,960	36"	18"	60"	18"	1"
6	12	1"	2,940	36"	18"	60"	42"	1"
8	8	1"	2,614	42"	27"	42"	27"	1"
8	10	1"	3,267	48"	24"	42"	39"	1"
8	12	1"	3,921	60"	18"	42"	51"	1"
8	16	1"	5,227	60"	18"	42"	75"	1"
8	20	1"	6,534	60"	18"	42"	99"	1"
10	16	1"	6,534	72"	24"	48"	72"	1"
TWO PLATES - 1" Thick EACH (Stacked with no offset)								
PLATE WIDTH (FT.)	PLATE LENGTH (FT.)	PLATE THICKNESS	WEIGHT (LBS)	PARALLEL		PERPENDICULAR		TOTAL THICKNESS
				"A"	"B"	"A"	"B"	
4	8	1"	1,307	12"	18"	60"	18"	2"
5	8	1"	1,634	24"	18"	60"	18"	2"
5	10	1"	2,042	24"	18"	84"	18"	2"
5	12	1"	2,450	24"	18"	108"	18"	2"
6	12	1"	2,940	36"	18"	108"	18"	2"
8	8	1"	2,614	60"	18"	60"	18"	2"
8	10	1"	3,267	60"	18"	84"	18"	2"
8	12	1"	3,921	60"	18"	108"	18"	2"
8	16	1"	5,227	60"	18"	132"	30"	2"
8	20	1"	6,534	60"	18"	132"	54"	2"
10	16	1"	6,534	84"	18"	144"	24"	2"
THREE PLATES - 1" Thick EACH (Stacked with no offset)								
PLATE WIDTH (FT.)	PLATE LENGTH (FT.)	PLATE THICKNESS	WEIGHT (LBS)	PARALLEL		PERPENDICULAR		TOTAL THICKNESS
				"A"	"B"	"A"	"B"	
8	16	1"	5,227	60"	18"	156"	18"	3"
8	20	1"	6,534	60"	18"	156"	42"	3"

NOTES:

1. Traffic loading based on H25- 44 truck loading as per AASHTO - 16th and 17th Edition at 45 mph and OSHA 1910. 23(E)(7) (i) .
2. Plates shall be uniformly supported and centered over trench.
3. Trench walls under the plates shall be stable and continuously supported.
4. The plates shall be anchored and monitored by contractor to prevent lateral movement.
5. When used in traffic situations, the supporting surfaces of the trench shall be smooth and hard, such as concrete or asphalt.
6. When used in traffic situations, approaches shall be smoothed out by using appropriate asphalt ramps at both ends.
7. Provide barriers or closure plates at trench ends (where appropriate)
8. 1" Plate must be ASTM A36 or greater (Yield Strength = 36,000 psi min.)
9. 1" Plate must be +/- 10 percent of 40.8 pounds per square foot (PSF)
10. Contractor shall be responsible to maintain traffic control in compliance with all local, state, and federal rules & regulations.

P.E. Certification

