

**Trench Plating Conditions**

- A. Wherever traffic is permitted over or adjacent to trenches and other depressions, Contractor shall furnish and maintain steel plating unless other means of protecting the public and the work are accepted by the City. Plates shall be secured against movement including shifting and rocking by use of adjustable cleats, shims and other devices such as anchor and keys. No gaps between plates and other deficiencies hazardous to bicycles shall be allowed; and the existing pavement shall be protected from damage.
- B. Steel plating shall have a non-skid surface.
- C. Steel plates used for bridging shall extend not less than 12 inches beyond the edges of the trench.
- D. Steel plates shall conform to the following minimum thickness:

<u>Trench Width</u>		<u>Minimum Plate Thickness</u>	
12 inches	(300 mm)	.5 inches	(13 mm)
18 inches	(450 mm)	.75 inches	(19 mm)
24 inches	(600 mm)	.87 inches	(22 mm)
36 inches	(900 mm)	.98 inches	(25 mm)
3.9 feet	(1.2 m)	1.5 inches	(38 mm)

- E. Recessed trench plates shall be used at the following locations: all arterial streets, all collector streets, at trench alignments not parallel with or perpendicular to the direction of traffic and locations determined by City Engineer to be necessary.
- F. The Contractor shall prepare for placement of plates over trench by grinding a relief 12 inches wide on each side of the trench by the thickness of the steel plate so that the surface of the steel plate is level with the adjacent pavement surface.