

## ROAD PLATE SPECIALISTS



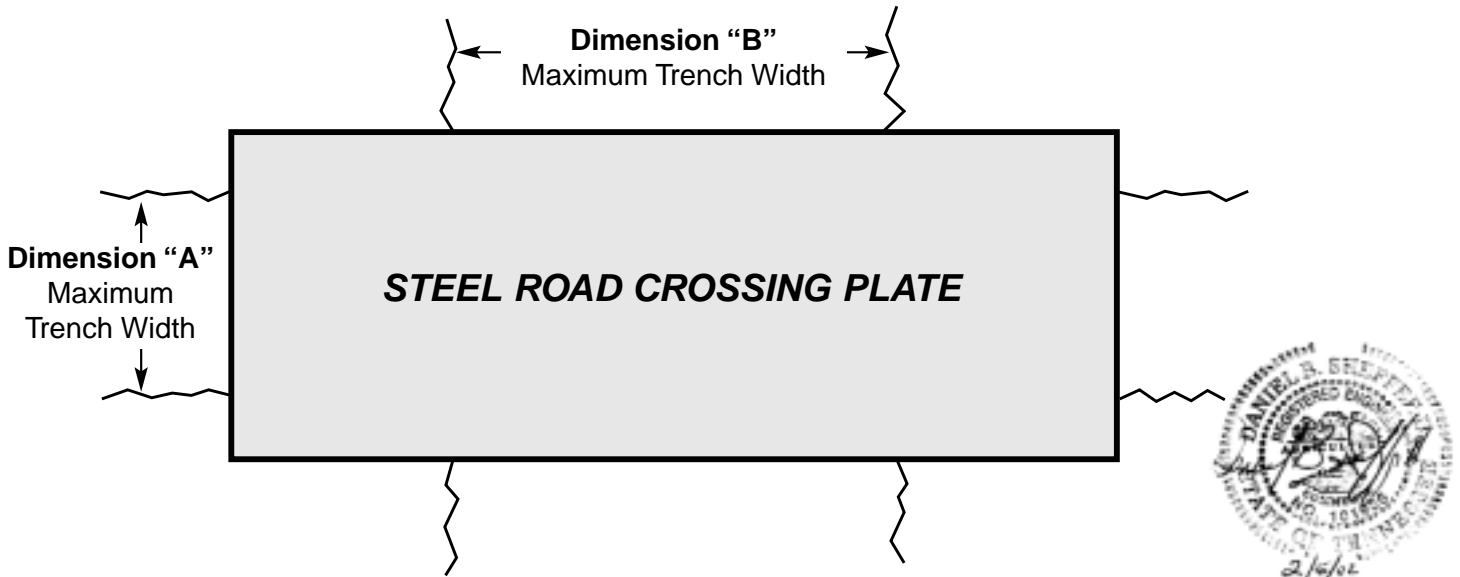
- ☛ Single-point lifting system – A TrenchSafety exclusive!
- ☛ Lifting tool is removable after placement. No hooks, chains, etc. to damage tires.
- ☛ Engineering tabulated data furnished with each plate.
- ☛ Now in 4 sizes:
  - 5' x 12'
  - 8' x 12'
  - 8' x 16'
  - 8' x 20'



Note: Limited delivery in Little Rock area.

Engineering tabulated data on other side. 

# TrenchSafety's Road Plate Engineering Tabulated Data



## Road Plate Certified Ratings

PLATE SIZE	WEIGHT	DIMENSION "A"		DIMENSION "B"	
		Max. Trench Width	Capacity	Max. Trench Width	Capacity
5' X 12'	2,500 lbs.	3'	880 psf	6'	880 psf
8' X 12'	4,000 lbs.	6'	1,222 psf	8'	688 psf
8' X 16'	5,333 lbs.	6'	1,222 psf	8'	688 psf
8' X 20'	6,665 lbs.	6'	1,222 psf	8'	688 psf

*Plates must be centered over the trench and secured at the surface by user to prevent sliding.*

### General Conditions:

- 1. Design Parameters** – The use of a 1" thick Grade A36 (for 5' x 12' plate) and Grade 50 (for all other sizes shown above) has been designed to provide a cover over an open excavation to provide vehicular or pedestrian traffic protection. Complete analysis of the excavation design, including construction techniques, site plans, and profiles, etc., must be conducted by a "Competent Person" before use of these Steel Plate(s). Sheffer Engineering Company, Inc. does not assume any responsibility for that information being complete or exact, and all verification shall be made by the User of the Steel Plate(s).
- 2. Basis of Design** – The design of these 1" thick Grade 50 or A36 Steel Plate is in accordance with the current AISC Steel Construction Standards using an H-20 loading of 450 PSF. The User of the Steel Plate is reminded that this device does not relieve their responsibility to meet all current OSHA Standards, and any state or local regulations which may apply.
- 3. Limitations** – This design is for the use of a 1" thick Grade 50 or A36 Steel Plate as specified in the Rated Chart, uniformly placed across an open excavation. Information must be gathered by field examination of existing conditions by The User of the Steel Plate(s).
- 4. Inspections** – Daily observations by the User of the Steel Plate shall be made at the jobsite to note any variations in site conditions that may affect this System. Any variation shall be remedied by a "Competent Person."
- 5. "Competent Persons"** – The User of the Steel Plate shall have a "Competent Person" on the jobsite on a daily basis. This person must be knowledgeable of the current OSHA Standards. This person must also have the authority to stop any work if a hazard is noted, and direct any corrective measures.
- 6. Unknown Site Conditions** – Site conditions may differ from day to day, and if any condition appears to be outside of the design, the User of the Steel Plate(s) must review the conditions and evaluate if this Steel Plate Cover System can be used. Hazards such as, but not limited to, boulders, trees and tree roots, existing building foundations, underground utilities or structures, and water are cases which shall require a re-evaluation of the site.
- 7. Steel Plates Cover Installation** – The site conditions must first be evaluated by a "Competent Person." If the soil in the excavation can remain vertically, place the plate(s) over the open excavation. The plate(s) must extend a minimum of 1'-0" over the top of the ground at each end or sides, and be secured against uplift. The plate(s) is then to be secured to the existing surface to prevent sliding. Removal of the plate(s) will be conducted in a reverse procedure.

SHEFFER ENGINEERING COMPANY, INC., 2002

Road plate must be used in accordance with all governmental regulations and engineer's tabulated data. All orders subject to the terms, conditions, and warranty limitations contained in TrenchSafety and Supply's rental and sales agreements.