

## Sign Post Replacement Using Telespar<sup>®</sup>. Rathbun Lake, Iowa

Our Project has made the change to Telespar<sup>®</sup> galvanized steel posts the last two years for all signs, except for large entrance and directional signs. These sign posts are square galvanized steel consisting of a larger anchor sleeve that is embedded in the ground and an above ground post that telescopes into the top of the anchor post. They are breakaway for safety and ease of replacing the posts. Steel posts cost more money initially, (approximately \$52.00 per post installation) but have numerous advantages over the wood post installations. Our project has switched to using steel posts due to smaller work staffs, tight budgets, vandalism, and Iowa expansive soils.

### Steel Post Advantages:

- Avoid the warping and frost heave problems associated with wood posts.
- One-person installation.
- Less equipment required. (Tractor or power auger not needed.)
- Less time required for installation.
- Not as much physical work compared to hand installation.
- Stays plumbed.
- Break-away sleeve making replacement of post easier.
- Anchor assemblies can be installed in any surface.

### Safety tips:

- ★ **Make sure to check for buried utilities prior to installation.**
- ★ **Safety Requirements: wear safety glasses, ear protection, and gloves.**

For further information on sources of breakaway posts can be found on these and other websites:

- Telespar<sup>®</sup> <http://telespar.net/>
- Sign Support Systems, <http://www.signsupports.com/index.htm>
- The Traffic Sign Store, <http://www.trafficsignstore.com/posts.html>

**Editors Note: USACE and the National Sign Program MCX do not endorse this or any other product. However, this information is provided as an example of an alternate system for sign post installation.**

## All Equipment, Tools Required For An Installation.



- Concrete breaker hammer with two components -- lock & release drive shank and lock & release drive cap.
- Lock & release manual drive cap if using a sledge for installation.
- 12 ft. perforated Telespar<sup>®</sup> post: 2" x 2" (14 gauge)
- Anchor: 4 ft. length Telespar<sup>®</sup>, 2 1/4" x 2 1/4" (12 gauge)
- Level.
- Sleeve: 18" length. 2 1/2" x 2 1/2". (12 gauge. )
- Corner bolt with phalange nut. 5/16"
- Drive rivets. 7/16"
- Nylon washers
- Generator with extension cord.
- Chop saw for cutting posts.
- Angle grinder for deburring post.
- Drill



**Shows 4 foot Telespar<sup>®</sup> anchor post beginning to be driven in with breaker hammer.**

Drive the four foot anchor to within 4"- 6" above ground.



**Close-up of anchor post and sleeve after installation.**  
Be sure the holes line up.



**Install corner bolt to secure the sign to post.**



**Finished sign post installation.**