

# **SKT, FLEAT, FLEAT-MT**

## ***Parts Identification Guide***



**Road Systems, Inc.**

**April 2012**



**SKT SP Posts**



**SKT Hinged Steel Posts**



**FLEAT (Steel Posts 1 & 2)**



**SKT Wood Posts**



**FLEAT-MT Wood Posts**



**SKT SP Posts**





**SKT Hinged Steel Posts**



**FLEAT Wood Posts**





**FLEAT (Steel Posts 1 & 2)**





**FLEAT SP Posts**





**SKT Wood Posts**



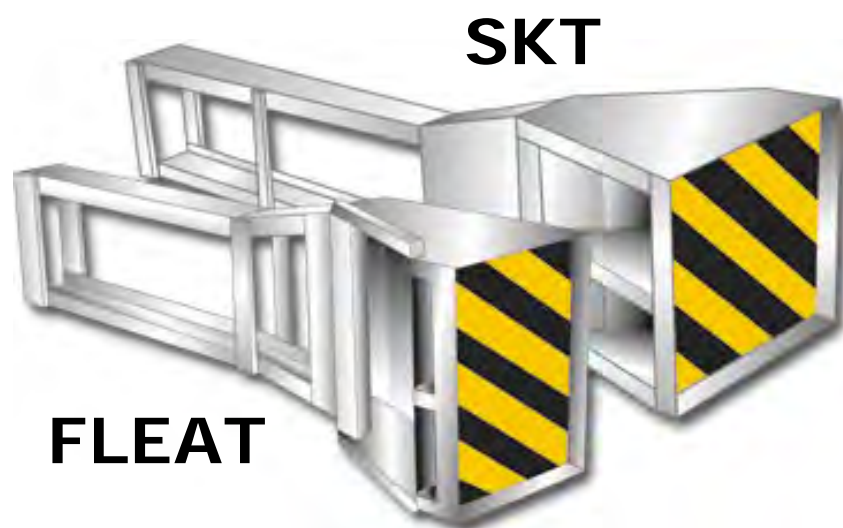


**SKT Wood Posts**



**FLEAT-MT Wood Posts**



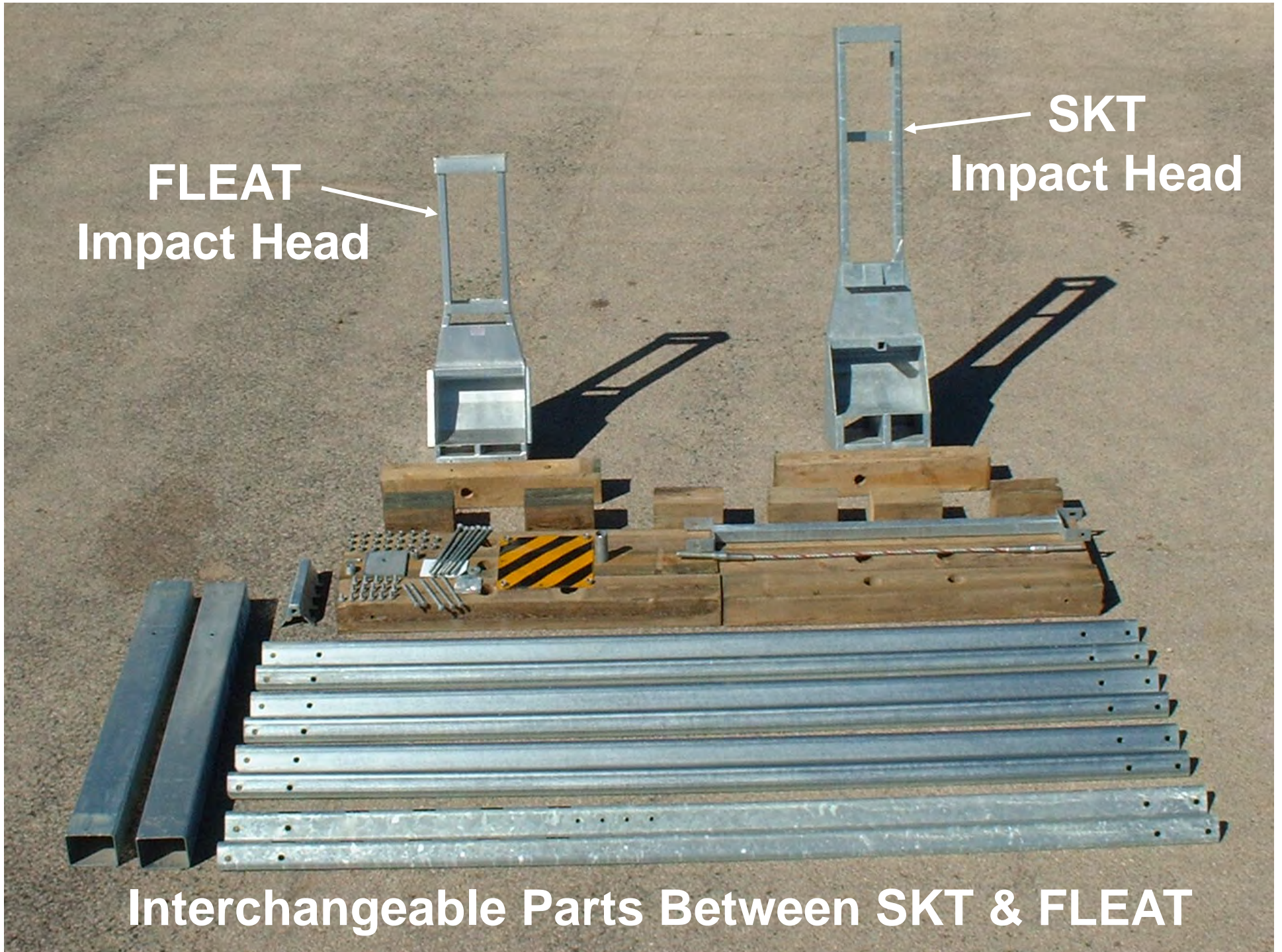




**FLEAT  
Impact Head**

**SKT  
Impact Head**

**Interchangeable Parts Between SKT & FLEAT**





## **SKT & FLEAT Design Options For Posts**

There are many different support post options available for the **SKT & FLEAT** as shown below.

This table is based on a 50'-0" long **SKT** system and a 37'-6" long **FLEAT** system.

Post options are available for 27 ¾" height terminals and 31" MGS Terminals.

<b><i>SKT or FLEAT Support Post Design Options</i></b>	<b><i>Number of Bolted <u>Hinged</u> Steel Posts</i></b>	<b><i>Number of <u>Standard</u> Steel Guardrail Posts</i></b>	<b><i>Number of <u>Plug Weld</u> Steel Posts</i></b>	<b><i>Number of <u>Wood</u> BCT Posts 3'-9" long</i></b>	<b><i>Number of <u>Wood</u> CRT Posts 6'-0" long</i></b>	<b><i>Number of Foundation <u>Tubes</u></i></b>
<b><i>SKT-SP &amp; FLEAT-SP Standard Steel Guardrail Post System</i></b>	<i>SKT – 2 FLEAT – 2  Post #1 is 6" x 6" Tube w/ W6x15# lower post Post #2 is W6x9# Post w/W6x9# lower post</i>	<i>SKT - 6  FLEAT - 5</i>	<i>- 0-</i>	<i>- 0-</i>	<i>- 0-</i>	<i>- 0-</i>
<b><i>All <u>Hinged</u> Steel Post System</i></b>	<i>SKT - 2 long, 6 medium FLEAT - 2 long, 5 medium</i>	<i>-0-</i>	<i>-0-</i>	<i>-0-</i>	<i>-0-</i>	<i>-0-</i>
<b><i>All <u>Plug Weld</u> Steel Post System</i></b>	<i>-0-</i>	<i>-0-</i>	<i>SKT - 2 short, 6 medium (or) SKT – 8 short FLEAT - 2 short, 5 medium</i>	<i>-0-</i>	<i>-0-</i>	<i>SKT – 2 (or) SKT – 8 FLEAT – 2</i>
<b><i><u>Hinged &amp; Plug Weld</u> Steel Post System</i></b>	<i>SKT - 2 long FLEAT - 2 long</i>	<i>-0-</i>	<i>SKT - 6 medium FLEAT - 5 medium</i>	<i>-0-</i>	<i>-0-</i>	<i>-0-</i>
<b><i><u>Hinged Steel &amp; Wood Post System</u></i></b>	<i>SKT - 2 long FLEAT - 2 long</i>	<i>-0-</i>	<i>-0-</i>	<i>-0-</i>	<i>SKT – 6 FLEAT - 5</i>	<i>-0-</i>
<b><i>All Breakaway Wood Post System</i></b>	<i>-0-</i>	<i>-0-</i>	<i>-0-</i>	<i>SKT - 2, 4 or 8 FLEAT - 2 only</i>	<i>SKT - 6, 4 or 0 FLEAT - 5 only</i>	<i>SKT - 2, 4 or 8 FLEAT - 2 only</i>

## Post Descriptions

- Standard **Steel** Guardrail Posts are used for the SKT-SP and FLEAT-SP. They are W6x9# or W6x8.5# and are 6'-0" long.
- BCT **Wood** Posts are 5 ½" x 7 ½" x 3'-9" long having (1) breakaway hole and they are inserted in a steel foundation tube. A “universal” post is available for use with 27 ¾” & 31” MGS terminals.
- CRT **Wood** Posts are 6" x 8" x 6'-0" long and have (2) breakaway holes. A “universal” post is available for use with 27 ¾” & 31” MGS terminals.
- Long Hinged **Steel** Posts are approximately 8.5 feet long and must be bolted together in the field.
- Medium Hinged **Steel** Posts are 6 feet long and must be bolted together in the field.
- Medium Plug Weld **Steel** Posts are 6 feet long and are shipped as a welded assembly.
- Short Plug Weld **Steel** Posts are approximately 3.5 feet long and inserted in a foundation tube. They are shipped as a welded assembly.
- Steel Foundation Tubes at post locations #1 & #2 may be either 6 feet long (no soil plate needed) or 4.5 feet or 5 feet long (with a soil plate). When foundation tubes are used at post locations #3 and beyond (for the SKT only) they are 4.5 feet long and do not require soil plates.





BCT Wood Post



CRT Wood Post







SP Upper and Lower Post #1



Hinged Steel Posts







Plug Welded Steel Posts – In Foundation Tube



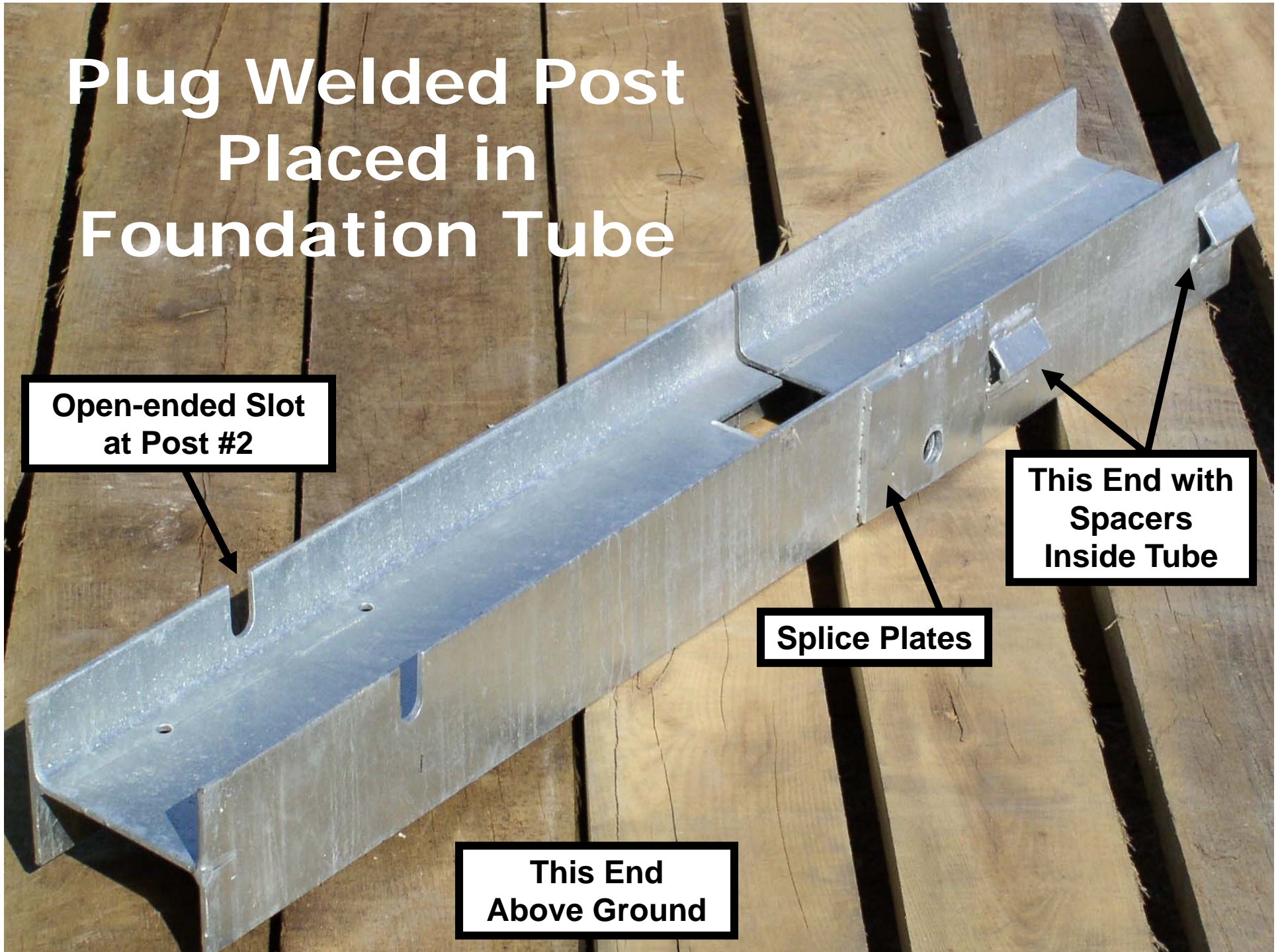
# Plug Welded Post Placed in Foundation Tube

Open-ended Slot  
at Post #2

This End with  
Spacers  
Inside Tube

Splice Plates

This End  
Above Ground

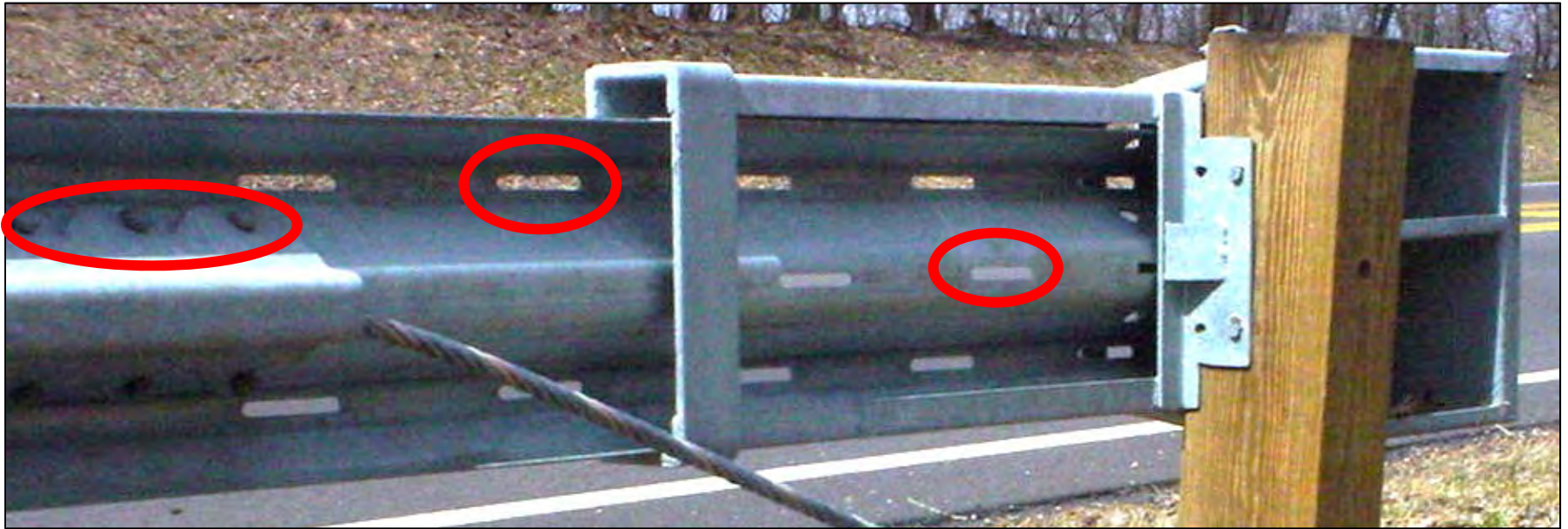






Plug Welded Steel Posts – 6'-0" Line Post



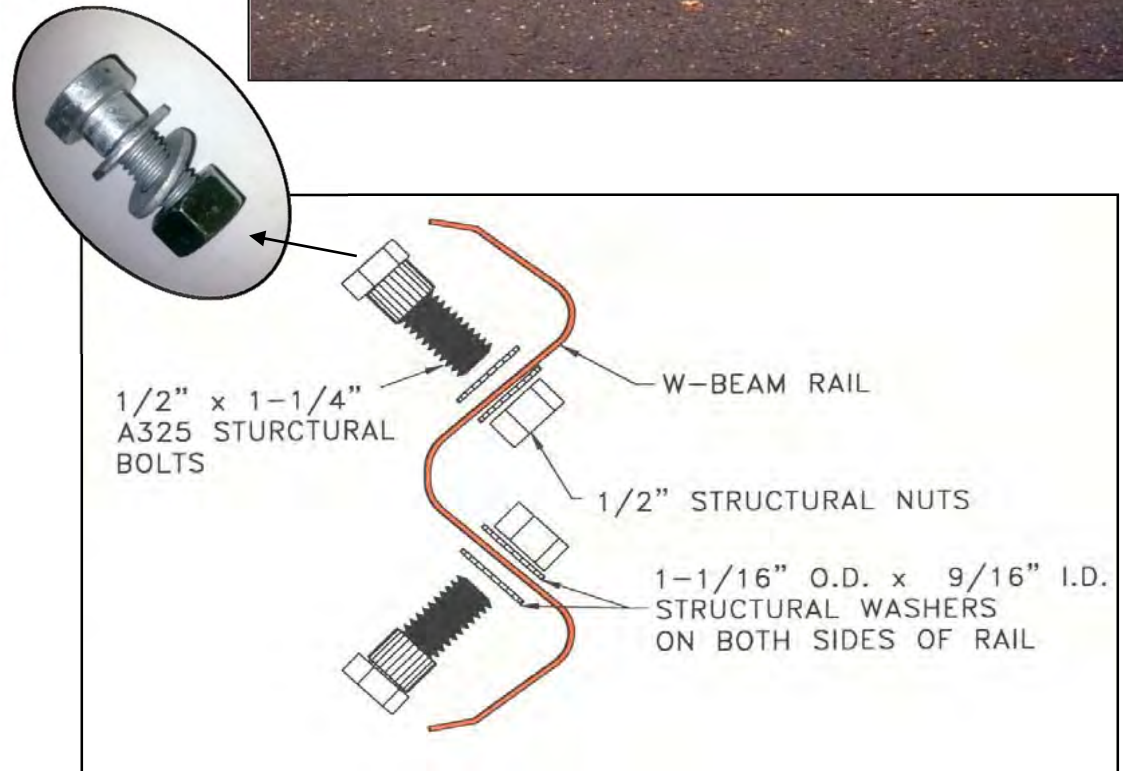


**Universal Panel: (3) slots in valley of rail, (10) slots in corrugations of rail, & (8) holes for anchor bracket**



**SKT & FLEAT & FLEAT-MT Universal End Rail Section**





Cable Anchor Bracket & Shoulder Bolts



Pipe Sleeve



Bearing Plate



Cable Assembly



Ground Strut



A photograph of various metal components for a guardrail system, laid out on a wooden pallet. The components include a long, silver-colored metal guardrail, a coiled 3/8" cable, a post breaker, a deflector box, and a 6'-3" long guardrail section. The background is a dark, textured surface.

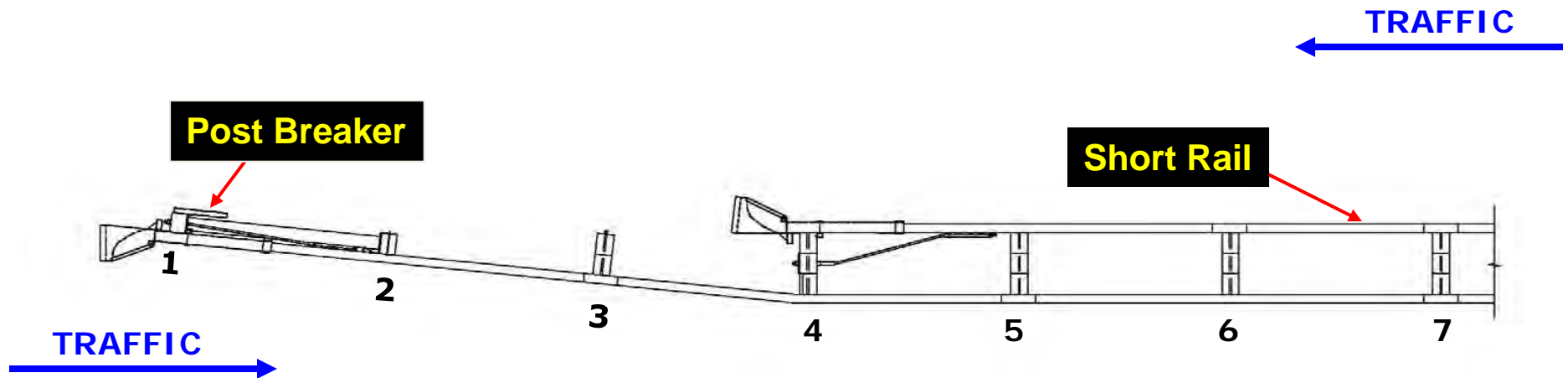
**Guardrail 6'-3" Long**

**Post Breaker**

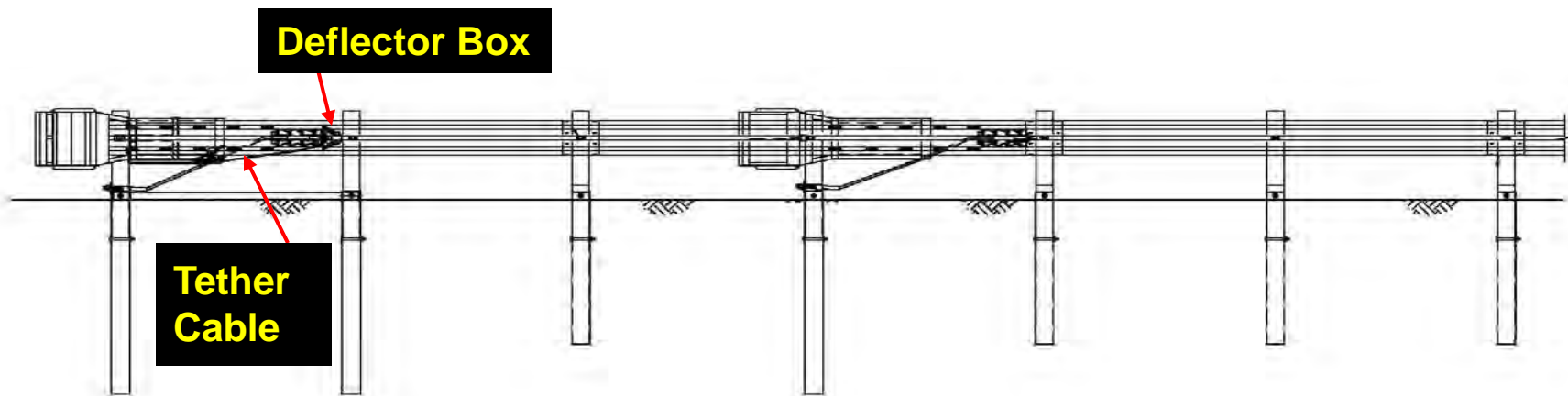
**3/8" Cable 20' Long**

**Deflector Box**

**FLEAT-MT Unique Components**



Plan View



Elevation View

## FLEAT-MT Unique Components