

Delaware Department of Transportation

QUESTIONS AND ANSWERS

T201401001.01

SR 1 HIGH TENSION CABLE BARRIER, ROTH BRIDGE TO US 13

Tuesday, December 10, 2013

Q #	Question	Answer
Monday, December 09, 2013		
2	<p>In the same paragraph (5.) it is mentioned that sockets "shall be provided in accordance with manufacturer's specifications" but then also says that they must be 10 gauge. For ten years, all of our FHWA qualification testing, and all footing design and construction has been done with our steel sleeves being constructed of 11 gauge steel. All of our anchors and line post footings are designed according to prevailing soil conditions, default parameters, and potential use of a mowstrip, and had been specifically constructed to utilize this sleeve / socket, along with any additional rebar as necessitated. Can we use our existing sleeve / socket ?</p>	<p>The steel socket is expected to meet the requirements of the special provision provided in the contract documents.</p>
1	<p>Please refer to page 65 of Contract No. T 201401001.01, the section (5.) of the Materials specification.</p> <p>It is stated that steel yielding posts and I-beam design shall not be used. I have attached drawing set SS-742 which shows the system that we currently utilize. It is a TL-3 and TL-4 , 4 cable system that has been qualified to both NCHRP 350 and MASH and can be utilized on 4:1 or flatter slopes. My understanding of the spec is that you would not permit posts like our older S4 post design which has weakening holes at grade level in order to permit post failure. This is a 7.7# post and would be considered a steel yielding post. Our post in the drawing set SS-742 is an S3, 5.7# post that is NOT considered a steel yielding post as it has no weakening holes at grade level. Under the guidelines of your specification is this post permissible ?</p>	<p>The steel post is expected to meet the requirements of the special provision provided in the contract documents. Yielding posts and I-post designs shall not be used. Based on the provided information from the vendor, your system is only TL-4 if placed on a 6:1 or flatter slope which is contrary to the statement in the question.</p>