

9930202 OBJECT MARKERS AND DELINEATORS  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

-----  
Name: Kevin Hayden  
Work Phone: 386-943-5284  
kevin.hayden@dot.state.fl.us

Comments: (12/19/19, Industry)

Under 993-2.2.2, 993-2.4.3 and 993-2.5.3, the word "or" after the ASTM number being removed (ASTM D1925) should also be removed, as it no longer is relevant to the sentence.

Response: Agree

Action: Removed the word "or".

\*\*\*\*\*

Name: Robert Hughes  
Work Phone: 800-348-9839  
E-Mail: [robert@flexstake.com](mailto:robert@flexstake.com)

Comments: (12/16/19, Industry)

We currently have two products listed on the APL under the current 993 High Performance Delineator Specification. One of these products, the HP 770 Series, was tested under the old NTPEP test protocol. Post was four feet tall, hit 50 times at 70 mph (+/-), with no failures. As far as we know this product is still currently being used on I-95 Express Lanes North/Southbound lanes north of the Golden Glades Interchange for the past several years. Posts are also ten feet apart which would cause them to incur more impacts. Based on the number of posts we have sold we estimate that the replacement rate on approximately 13,000 posts within the 13.5 miles of Express Lanes is 300 posts per month on average which is substantially less than what is replaced in Phase 1 per month. Please note that the Phase 1 post based on recent testing was touted to be a superior post than the HP 770 Series and have less maintenance. Also, this post to our knowledge is the only post in the Express Lanes that is affixed to asphalt with bituminous. Thus, we humbly would ask that based on the performance of the HP 770 Series that it be grandfathered into the new High Performance Delineator specification without going through additional testing. Merry Christmas to all and see you at ATSSA.

Response: HP 770 is already approved under the "High Performance Delineator" 993-2.5 section of Specification 705/993. No re-testing is being asked for. No changes to be made.

\*\*\*\*\*

Name: Mario Dipola  
Work Phone: 407-729-7012  
E-Mail: [mdipola@prosserinc.com](mailto:mdipola@prosserinc.com)

Comments: (12/10/19, Industry)

Putting #s is fine for an engineering/construction document, and avoids errors. I suggest "fifty" be changed to "50," if we are going to also use "5" degrees.

Response: Agree

Action: Updated fifty to 50 based on Specifications Style Guide.

\*\*\*\*\*

Unknown

Comments: (12/14/19, Industry)

Minor comment-"or" will need to be removed from sentences where there is now only one reference listed.

Response: Agree

Action: Removed the word "or".

\*\*\*\*\*

Name: Kenneth Parrott

Work Phone: 210-736-4477

E-Mail: [kparrott@impactrecovery.com](mailto:kparrott@impactrecovery.com)

Comments: (12/3/19, Industry)

On item 993-2.5.1 You have changed the minimum height to 36 inches but it is confusing that you also say minimum dimension of 2 inches. I think you mean minimum diameter in the second case.

Response: Agree

Action: Updated: The delineator shall have a minimum height of 36 inches above the pavement surface and have a minimum diameter of 2 inches.

\*\*\*\*\*

Name: Ernest

Work Phone: 954-934-1112

Comments: (12/2/19, Industry)

993-2.2.2 & 993-2.4.3 ...or ASTM E313... Remove OR before ASTM E313. Please verify.

Response: Agree

Action: Removed the word "or".

\*\*\*\*\*

Unknown

Comments: (11/27/19, Industry)

Where ASTM D1925 is crossed out, it is followed by "or" that needs to be removed as well. (3 occurrences on sheet 2 of 3).

Response: Agree

Action: Removed the word "or".

\*\*\*\*\*