

# Office of Bridge Design

## Technical Memorandum

Date: July 3, 2013

To: All Bridge Engineering Staff

From: Steve Johnson, PE  
Bridge Design Engineer

Subject: Technical Memorandum BTM13.2  
Steel H-Pile Selection

To alleviate potential steel H-Pile supply issues, foundations supported on H-Piling shall use HP10x42, HP12x53 or HP14x73 piling unless otherwise approved by the SDDOT Bridge Design Engineer or specifically recommended by the Geotechnical Engineering Activity.

The use of consistent pile sizes throughout a structure is encouraged.

Plan quantities for HP bearing pile shall be calculated based on the cutoff elevation and the tip elevation as shown on the Report of Foundation Investigation and shall be shown in 5 ft. increments, rounded up to the nearest 5 ft. Plan quantities for HP test pile shall be 5 ft. longer than the bearing pile length listed.

Reviewed by: *Hadly Eisenberg* Date: 7-9-13

Approved by: *Kevin M. Coe*, Chief Bridge Engineer, Date: 7-11-2013

cc: File