

TO: All Design Section Staff  
FROM: Bijan Khaleghi  
DATE: April 09, 2021  
SUBJECT: Traffic Barrier Reinforcement Spacing on Bridge Deck Reinforcement Plan Sheets.

This design memorandum specifies WSDOT's policy for noting traffic barrier reinforcing bars S1 and S2 in Bridge Plans.

**Add the following subsection to BDM 11.1.3 Bridge Deck Reinforcement:**

### 11.1.3.C – Sheet Contents: Bridge Deck Reinforcement

#### Bridge Deck Reinforcement

- Plan and transverse section views
- Traffic barrier reinforcing bars shall be called out on the Bridge Deck Reinforcement Plan sheet by using an overall dimension as shown in Fig 11.1.3-C1. The S1 and S2 bars are to be detailed, dimensioned, and their spacing shall be shown only on the Traffic Barrier Details 1 sheet.

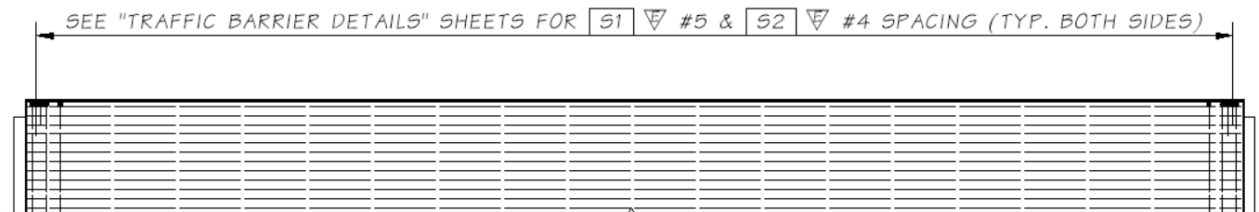


Figure 11.1.3-C1 Traffic barrier reinforcement callout on Bridge Deck Reinforcement plan sheet

#### Background

The purpose of this change is to maintain the integrity of the Traffic Barrier Standard Drawings as a standalone set of drawings. The information for S1 and S2 bars need to be specified on the Traffic Barrier Sheets to accomplish this objective. Placing the S1 and S2 bar information on a single sheet avoids unnecessary duplication of dimensions as defined in BDM 11.1.D2. The S1 and S2 bars shall be referenced on the Bridge Deck Reinforcement Plan sheet as these bars are required to be placed prior to the deck concrete pour.

If you have any questions regarding this policy memorandum, please contact Cory Churchill at [Cory.Churchill@wsdot.wa.gov](mailto:Cory.Churchill@wsdot.wa.gov), Rick Brice at [Richard.Brice@wsdot.wa.gov](mailto:Richard.Brice@wsdot.wa.gov) or Bijan Khaleghi [Bijan.Khaleghi@wsdot.wa.gov](mailto:Bijan.Khaleghi@wsdot.wa.gov) at (360) 705-7181.

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