

Staff Bridge Branch

{Designer should provide pdf version of this form for sign off}

MEMORANDUM

DATE: April 22, 2022

TO: Regional Unit Leader

FROM: John Gregory, Project Engineer I-25 South Gap project

CC: Andrew Pott, Senior Bridge and Construction Engineer (Andrew.Pott@state.co.us)

[Regional Staff Bridge Unit Leader]

 Spencer Tucker (Spencer.Tucker@dot.gov)

 [CDOT Regional Local Agency Coordinator] {as applicable}

 [Patrick Holinda, BE Program Manager] (Patrick.Holinda@state.co.us) {if BE project}

 Michael Collins, State Bridge Engineer (Michael.Collins@state.co.us)

SUBJECT: VARIANCE OF SNOW FENCE LENGTH REQUIREMENTS

 PROJECT# FBR 0252-491 , SA# 23477

 DESCRIPTION – BRIDGE REPLACEMENT

Variances Requested: Section 2.4.2.2 Snow Fence required to extend 30 feet beyond the outside shoulder line on the travel way below. Requesting to reduce this requirement to 12 feet for only the departure ends of the fence.

Background: Structure H-17-CR (El Paso/Douglas County Line Road over I-25) was constructed with the snow fence extending the full length of the Bridge Rail Type 9 as required by section 2.4.2.2 of the CDOT Bridge Design Manual.

Due to the geometry of the interchange, the pavement stop bars for the I-25 off ramps are in line with Bridge rail and the Snow Fence on top of the Bridge Rail is a limiting element for Intersection Sight Distance (ISD). The bridge

was opened to traffic in final alignment in November 2021. Since this opening date, the project has received numerous complaints about the snow fence being a safety hazard blocking line of sight for the left turn movements from the I-25 ramps.

The project team has investigated the situation, while the ISD currently provided does meet the minimum ISD for 35 mph per AASHTO. We recognize there are driver comfort and potential safety concerns with the existing configuration. Therefore, I am requesting to remove about 61 feet of fence from the east end of the south side fence and about 61 feet from the west end of the north side fence. This would line the end of fence up with the edge of pavement on I-25 below (12 feet from the shoulder line).

[ ] Accepted

[ ] Accepted with comments

[ ] Rejected

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Regional Unit Leader Date