





# ENG-CDR21013-R3-FDR.pdf Markup Summary

4 (5)


  
Conspan precast bridge siz  
the effective base flood elev  
structures are proposed up  
he bridge. The current in


**Subject:** precast  
**Page Index:** 4  
**Date:** 4/6/2022 4:09:17 PM  
**Author:** dsdrice  
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ND DESCRIPTION  
onsists of a 42-foot wide Cr  
t resulting in increases to th  
oping boulder (GSB) drop st  
ssary grade control for the


**Subject:** 42-  
**Page Index:** 4  
**Date:** 4/6/2022 4:11:49 PM  
**Author:** dsdrice  
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in elements in the ac  
plain analysis, hydrolo


  
43  
RIPTON  
a 42-foot wide Consp

**Subject:** Callout  
**Page Index:** 4  
**Date:** 4/6/2022 4:12:12 PM  
**Author:** dsdrice  
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**Subject:** Callout  
**Page Index:** 4  
**Date:** 4/6/2022 4:13:46 PM  
**Author:** dsdrice  
**Color:**   
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**Page Label:** 4  
steel arch


equipped after construction  
sterling Ranch Fillings that w  
over Sand Creek at Briarga  
Conspan precast structure  
ght-of-way is 130 feet for B  
as shown on the roadway d  
pe A curb and gutter, and

**Subject:** precast  
**Page Index:** 4  
**Date:** 4/6/2022 4:13:36 PM  
**Author:** dsdrice  
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**Page Label:** 4

5 (1)

igs drainage criteria manual, may 201  
Springs and El Paso County Flood Insu  
ency Management Agency, effective 20  
annel Improvements and Mitigation  
2015 ← updated?

plain within the Briargate Bridge reach  
od condition that exists on the floodpla  
re is little evidence of active invert de

**Subject:** Callout  
**Page Index:** 5  
**Date:** 4/6/2022 4:15:18 PM  
**Author:** dsdrice  
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**Layer:**  
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**Page Label:** 5  
updated?

6 (4)

entire invert upstream, through  
The bridge, a Conspan C42T, is  
in excess of 14 feet. The excess  
or Briargate Parkway and prov

58S?

6 Kiowa Engir

**Subject:** Callout  
**Page Index:** 6  
**Date:** 4/6/2022 4:31:08 PM  
**Author:** dsdrice  
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**Layer:**  
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**Page Label:** 6

58S?

boulder drop structures are  
vide grade control through t  
upstream, through the propo  
a Conspan C42T, will convey  
14 feet. The excess height of  
arkway and provide neces

**Subject:**  
**Page Index:** 6  
**Date:** 4/6/2022 4:31:24 PM  
**Author:** dsdrice  
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**Layer:**  
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**Page Label:** 6

42T

depth of 4 to 7 feet with freeboard to the crown in  
excess of 14 feet

**Subject:**  
**Page Index:** 6  
**Date:** 4/6/2022 4:31:59 PM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
**Space:**  
**Page Label:** 6

depth of 4 to 7 feet with freeboard to the crown in  
excess of 14 feet

nd downstream outlet are to be rigrap  
epth of 4 to 7 feet with freeboard to the c  
as required to match the roadway gra  
levation for the channel.

Verify - 7.6?

**Subject:** Callout  
**Page Index:** 6  
**Date:** 4/6/2022 4:52:05 PM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
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**Page Label:** 6

Verify - 7.6?

7 (1)

he grading plan. Appendix  
ear floodplain. The location  
EC-RAS model cross-section  
0-, 50-, 100-year and 500-year

p apron is included on th

**Subject:**  
**Page Index:** 7  
**Date:** 4/7/2022 7:11:11 PM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
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**Page Label:** 7

yar a

8 (1)

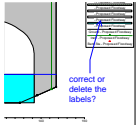
blished for the grouted sloping boulder drops.  
Drop height (ft.) (elevation difference between  
Typical trapezoidal or composite channel secti  
extend to 1.0-ft vertically above the 100-year

on each side

**Subject:** Callout  
**Page Index:** 8  
**Date:** 4/6/2022 4:48:50 PM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
**Space:**  
**Page Label:** 8

on each side

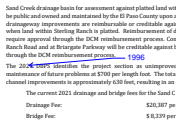
10 (1)



**Subject:** Callout  
**Page Index:** 10  
**Date:** 4/6/2022 5:00:37 PM  
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**Color:** ■  
**Layer:**  
**Space:**  
**Page Label:** 10

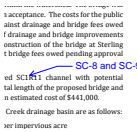
correct or delete the labels?

12 (5)



**Subject:** Callout  
**Page Index:** 12  
**Date:** 4/7/2022 8:56:31 AM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
**Space:**  
**Page Label:** 12

1996



**Subject:** Callout  
**Page Index:** 12  
**Date:** 4/7/2022 9:18:26 AM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
**Space:**  
**Page Label:** 12

SC-8 and SC-9



**Subject:** Highlight  
**Page Index:** 12  
**Date:** 4/7/2022 9:18:51 AM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
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**Page Label:** 12



**Subject:** Callout  
**Page Index:** 12  
**Date:** 4/7/2022 9:22:18 AM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
**Space:**  
**Page Label:** 12

Use the 1996 DBPS costs and provide excerpts.  
Discuss the current cost of the proposed design.



**Subject:** Image  
**Page Index:** 12  
**Date:** 4/7/2022 9:22:36 AM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
**Space:**  
**Page Label:** 12

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16 (1)



**Subject:** COMMENT  
**Page Index:** 16  
**Date:** 3/30/2022 3:31:42 PM  
**Author:** Alivia Plankis  
**Color:** ■  
**Layer:**  
**Space:**  
**Page Label:** 16

May need to add property owners to map.

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48 (1)



**Subject:** Callout  
**Page Index:** 48  
**Date:** 4/7/2022 11:18:43 AM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
**Space:**  
**Page Label:** 48

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