# Routine Inspection Colorado Department of Transportation Structure Inspection and Inventory Report (English Units)

Highway Number (ON) 5D: 00000 V Mile Post (ON) 11: 2.060 mi

Linear Ref. Sys. MP: 2.060 mi

| CS152-0.4-S159<br>57<br>8 | Main Mat/Desgn 43A/B:  | 3 02          | Bridge Cost 94:   | 0.00   |
|---------------------------|--|---------------|---|--|
|                           |  |               |   | 10.00  |
| 8                         | Appr Mat/Desgn 44A/B:  | 0 00          | Roadway Cost 95:  | 0.00   |
|                           | Main Spans Unit 45:  | 1             | Total Cost 96:  | 0.00   |
| 023                       | Approach Spans 46:   | 0             | Year of Cost Estimate 97:   | 1980   |
|                           | Horiz Clr 47:  | 40.00 ft      | Brdr Brdg Code/% 98A/B:   | -2   |
| 00000                     | Max Span 48:   | 47.4 ft       | Border Bridge Number 99:  |  |
| -                         | Str Length 49:   | 51.4 ft       | Defense Highway 100:  | 0  |
| 1                         | Curb Wdth L/R 50A/B:   | 0.0 ft 0.0 ft | Parallel Structure 101:   | N  |
| 4                         | Width Curb to Curb 51:   | 40.00 ft      | Direction of Traffic 102:   | 2  |
| 1                         | -<br>Width Out to Out 52:  | 42.0 ft       |   | !  |
| 0                         |  |               |   | 0  |
|                           |  |               |   | 0  |
|                           |  |               |   |  |
|                           | -  |               |   | 1  |
|                           |  |               |   | 6  |
|                           | -  |               |   | 0  |
|                           |  |               |   | 8  |
|                           | -  |               |   | 2.00 %   |
|                           |  |               |   | 0  |
|                           |  |               |   |  |
|                           |  |               |   | Y  |
| 99 99                     |  |               |   | 8  |
|                           |  |               |   | 0<br>N   |
|                           |  |               |   | 2,101  |
|                           |  | 00.4          |   | 2038   |
|                           |  |               |   |  |
|                           |  |               |   | CIK  |
|                           |  | 36.2          | CDOT Constr Type 120B:  | 00   |
|                           | Inventory Factor 66:   |               | Inspection Indic 122A:  |  |
|                           | Asph/Fill Thick 66T:   |               | Inspection Trip 122AA:  | Unknown  |
|                           | Str. Evaluation 67:  |               | Scheduling Status 122B:   |  |
|                           | Deck Geometry 68:  |               | Maintenance Patrol 123:   | 0  |
|                           | Undrclr Vert/Hor 69:   | N             | Expansion Dev/Type 124:   | 0  |
|                           | Posting 70:  | 5 At/Above Le | ga Brdg Rail Type/Mod 125A/B:   | Y 1  |
| 0                         | Waterway Adequacy 71:  | 8             | Posting Trucks 129A/B/C:  |  |
|                           | Approach Alignment 72:   | 8             | Str Rating Date 130:  | 03/28/2013   |
|                           | Type Of Work 75A:  | -1            | Special Equip 133:  | 0.00   |
|                           | Work Done By 75B:  | !             | Vert Clr N/E 134A/B/C:  | X  |
|                           | Length of Improvment 76:   | 0             | Vert Clr S/W 135A/B/C:  | X  |
|                           | Insp Team Indicator 90B:   | STANTEC       | Vertical Clr Date:  | 12/31/1900   |
| 0 °                       | -  | QYUENN        | Weight Limit Color 139:   | 0, White   |
|                           |  | 24 months     |   | IIB  |
|                           |  |               |   | OFFSYS   |
|                           |  |               |   | ODD MAR S_0  |
|                           |  | -             |   |  |
|                           | -  | -             |   |  |
|                           | -  |               |   | JIHH   |
| 1 5                       |  |               |   | 3/23/2021 12:0   |
|                           | ST Date (Pill) 93C:  |               |   | RYEA   |
|                           | 4<br>1<br>0<br>99.99<br>0<br>023-0-2013<br>00<br>37d 11' 42.21"<br>105d 25' 5.27"<br>2 mi<br>3<br>02<br>02<br>02<br>09<br>2006<br>2<br>0<br>1,429<br>2018<br>5 MS 18 (HS 20)<br>23.10 ft<br>0<br>0 | 4             | 4       John Rain Enclose Enc | 4         Width Curb to Curb 51:         40.00 ft         Direction of Traffic 102:           1         Width Curb to Curb 51:         40.00 ft         Direction of Traffic 102:           1         Width Curb to Curb 52:         42.0 ft         Temporary Structure 103:           0         Deck Area:         2159         Highway.Systems.104:           0         Min Chr Ovr Brdg 53:         99.99         Fed Lands Hiway 105:           Min Undreir F48I:         0.0 ft         Deck Area         Wearing Surface 108A:           Min Lat Undreir F48I:         0.0 ft         Deck Protection 108C;         Truck ADT 109:           Min Lat Undreir F56I:         0.0 ft         Deck Protection 108C;         Truck ADT 109:           0         Deck 58:         7         Truck ADT 109:         Truck ADT 109:           1         Super 59:         7         Truck ADT 109:         Sour Oritical 113:           0         Operating Rating 64:         60.4         Feutre ADT 114:           02         Operating Rating 64:         60.4         Future ADT 114:           02         Inventory Ration 66:         11.F Load Fact         CDOT Str Type 120A:           105d 25' 5.27"         Inventory Ration 66:         10 in         Inspection Indic 122A:           105d 25' 5 |

Data Responsibility: Asset Management

Inspection Rating

CDOT\_SIA Version 9c - 1/8/2021

EOR:

Unknown

Structure ID: CS152-0.4-S159

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# Routine Inspection Colorado Department of Transportation Structure Inspection and Inventory Report (English Units)

|                                      | Inspection Report                      |  |   |   |  |  |   |  |                                    |   |               |
|--------------------------------------|--|--|---|---|--|--|---|--|------------------------------------|---|---------------|
| Elm/Env                              | / Description                          | Unit   | Total Qty   | % in 1  | Qty. St. 1   | % in 2   | Qty. St. 2  | % in 3   | Qty. St. 3                         | % in 4  | Qty. St. 4    |
| 12/1                                 | Re Concrete Deck                       | sq.ft  | 2159  | 82%   | 1774   | 18%  | 385   | 0%   | 0                                  | 0%  | 0             |
|                                      |  | Concre   | te on galvanized  | corrugated  | d metal stay-in-   | place form   | ns. Steel side p  | lates and  | end of the decl                    | k plates.   |               |
|                                      |  | Previou  | usly noted: concre  | ete surface   | had uneven fir   | nish. Notic  | eable vibration   | and sligh  | t deflection und                   | der   |               |
|                                      |  | loads. (   | (8) transverse cra  | cks space   | d at 3 to 8 feet,  | hairline to  | o 1/32 inch wid   | e cracks, (  | 2) longitudinal                    | cracks  |               |
|                                      |  | _  | end 2 feet either   | 1   |  |  | -   |  |                                    | -   | r             |
| 510                                  | 0/1 Wearing Surfaces                   |  | 2056  | 89%   | 1828   | 11%  | 225   | 0%   | 3                                  | 0%  | 0             |
|                                      |  |  | asphalt. Short trai   |   | •  |  | •   |  | lane near west                     |   |               |
| _                                    |  | _  | ent (A1). Previous  |   | <u> </u>   | · · ·  |   | <u> </u>   | 1                                  | 1   | 1             |
|                                      | 3220/1 Crack (Wearing S                | ,  | 228   | 0%  | 0  | 99%  | 225   | 1%   | 3                                  | 0%  | 0             |
|                                      |  | See Ele  | ement 510 comm  | ents.   |  |  |   |  |                                    |   |               |
| 1130                                 | 0/1 Cracking (RC and Oth               | ne sa.ft   | 385   | 0%  | 0  | 100%   | 385   | 0%   | 0                                  | 0%  | 0             |
|                                      | 1                                      |  | ement 12 comme  |   | -  |  |   |  | 1                                  |   | 1-            |
|                                      |  |  |   |   |  |  |   |  |                                    |   |               |
| 07/1                                 | Steel Opn Girder/Beam                  | ft   | 720   | 100%  | 720  | 0%   | 0   | 0%   | 0                                  | 0%  | 0             |
|                                      |  | (14) we  | eathering steel wi  | de flange b   | eams. Starting   | to develo  | p rust patina a   | s designed   | d. Noticeable d                    | ead   |               |
|                                      |  | load de  | eflection to all gird   | ers. No dia   | aphragms.  |  |   |  |                                    |   |               |
| 515                                  | 5/1 Steel Protective Coati             | nesq.ft  | 720   | 100%  | 720  | 0%   | 0   | 0%   | 0                                  | 0%  | 0             |
|                                      |  | Weathe   | ering steel. No sig   | nificant de   | fects.   |  |   |  |                                    |   |               |
| 4 5 /4                               | Do Como Altriturant                    |  | 04  | 0.49/   | 70   | 20/  | 2   | 40/  | 2                                  | 00/   | 0             |
| 215/1                                | Re Conc Abutment                       | ft   | 84  | 94%   | 79<br>(0) line of the s  | 2%   | 2   | 4%   | 3                                  | 0%  | 0             |
|                                      |  |  | te, full retaining a  |   |  |  |   |  |                                    |   |               |
|                                      |  |  | ng x 10 inch high   |   |  |  | •   |  |                                    | ment  |               |
| 1080                                 | 0/1 Delamination/Spall/Pa              |  | tched prior to 20   |   | $0^{11}$ (4) ± vertica   | 40%  |   | 60%  | 3                                  | 0%  | 0             |
| 1000                                 |  |  | P<br>ement 215 comm   |   | 0  | 40%  | 2   | 00%  | 3                                  | 070   | 0             |
|                                      |  |  |   | 51115.  |  |  |   |  |                                    |   |               |
| 330/1                                | Metal Bridge Railing                   | ft   | 103   | 100%  | 103  | 0%   | 0   | 0%   | 0                                  | 0%  | 0             |
|                                      |  | Galvan   | ized CDOT Type  | 10M rail m  | nounted on stee  | el posts m   | ounted on tops  | of concre  | te curbs install                   | ed  |               |
|                                      |  | betwee   | n 2009 and 2011   | inspection  | ns. No significa   | nt defects.  |   |  |                                    |   |               |
| 515                                  | 5/1 Steel Protective Coati             | ni sq.ft   | 103   | 100%  | 103  | 0%   | 0   | 0%   | 0                                  | 0%  | 0             |
|                                      |  | Galvan   | ized. No significa  | nt defects.   |  |  |   |  |                                    |   |               |
|                                      |  |  |   |   |  |  | •   |  | •                                  |   |               |
| 9326/1                               | Bridge Wingwalls                       | (EA)   | 4   | 100%  | 4  | 0%   | 0   | 0%   | 0                                  | 0%  | 0             |
|                                      |  | Concre   | te, U-type. Hone  | a combina a   | at coutbooot wi  |  |   |  |                                    |   |               |
|                                      |  |  |   | •   |  | •  |   |  |                                    |   |               |
|                                      |  |  | patched prior to 2  | 011 inspec  | tion. South win  | igwalls are  |   |  |                                    |   |               |
| 000/4                                |  | flush w  | ith abutment. Insi  | 011 inspec<br>gnificant ci  | tion. South win  | igwalls are<br>gwalls.   | e on outside of   | abutment.  | North wingwa                       | lls are   | 10            |
| 9338/1                               | Conc Curbs/SW                          | flush w<br>(LF)  | ith abutment. Insi<br>103   | 011 inspec<br>gnificant ci<br>100%  | tion. South win<br>racks in all wing<br>103  | gwalls are<br>gwalls.<br>0%  |   |  |                                    |   | 0             |
| 9338/1                               | Conc Curbs/SW                          | flush w<br>(LF)  | ith abutment. Insi  | 011 inspec<br>gnificant ci<br>100%  | tion. South win<br>racks in all wing<br>103  | gwalls are<br>gwalls.<br>0%  | e on outside of   | abutment.  | North wingwa                       | lls are   | 0             |
|                                      |  | flush w<br>(LF)<br>Insignif  | ith abutment. Insi<br>103<br>icant transverse/v   | 011 inspec<br>gnificant cr<br>100%<br>vertical cra  | tion. South win<br>racks in all wing<br>103<br>cks throughout  | gwalls are<br>gwalls.<br>0%  | e on outside of   | abutment.  | North wingwa                       | lls are<br>0%                                       | 0             |
|                                      | Conc Curbs/SW                          | flush w<br>(LF)<br>Insignif  | ith abutment. Insi<br>103<br>ïcant transverse/v<br>1  | 011 inspec<br>gnificant cr<br>100%<br>vertical cra<br>100%  | tion. South win<br>racks in all wing<br>103<br>cks throughout  | gwalls are<br>gwalls.<br>0%  | on outside of   | abutment.  | North wingwa                       | lls are   |               |
|                                      |  | flush w<br>(LF)<br>Insignif  | ith abutment. Insi<br>103<br>icant transverse/v   | 011 inspec<br>gnificant cr<br>100%<br>vertical cra<br>100%  | tion. South win<br>racks in all wing<br>103<br>cks throughout  | gwalls are<br>gwalls.<br>0%  | on outside of   | abutment.  | North wingwa                       | lls are<br>0%                                       |               |
| 9501/1                               |  | flush w<br>(LF)<br>Insignif<br>(EA)<br>Small ir  | ith abutment. Insi<br>103<br>ïcant transverse/v<br>1  | 011 inspec<br>gnificant cr<br>100%<br>vertical cra<br>100%  | tion. South win<br>racks in all wing<br>103<br>cks throughout  | gwalls are<br>gwalls.<br>0%  | on outside of   | abutment.  | North wingwa                       | lls are<br>0%                                       |               |
| 9501/1                               | Channel Cond                           | flush w<br>(LF)<br>Insignif<br>(EA)<br>Small ir<br>(EA)  | ith abutment. Insi<br>103<br>icant transverse/v<br>1<br>rrigation ditch. Ma   | 011 inspec<br>gnificant cr<br>100%<br>vertical cra<br>100%<br>in channel  | tion. South wirr<br>racks in all wing<br>103<br>cks throughout<br>1<br>is bermed up  | ngwalls are<br>gwalls.<br>0%<br><br>0%<br>to carry di<br>0%  | on outside of     o     o     o     tch profile unde     o  | abutment.  | North wingwa                       | lls are<br>0%<br>0%                                 | 0             |
| 9501/1                               | Channel Cond                           | flush w<br>(LF)<br>Insignif<br>(EA)<br>Small in<br>(EA)<br>Stable,   | ith abutment. Insi<br>103<br>iicant transverse/v<br>1<br>rrigation ditch. Ma  | 011 inspec<br>gnificant cr<br>100%<br>vertical cra<br>100%<br>ain channel<br>100%<br>getated alo  | tion. South wirr<br>racks in all wing<br>103<br>cks throughout<br>1<br>is bermed up  | ngwalls are<br>gwalls.<br>0%<br><br>0%<br>to carry di<br>0%  | on outside of     o     o     o     tch profile unde     o  | abutment.  | North wingwa                       | lls are<br>0%<br>0%                                 | 0             |
| 9501/1<br>9504/1                     | Channel Cond                           | flush w<br>(LF)<br>Insignif<br>(EA)<br>Small ir<br>(EA)<br>Stable,<br>channe   | ith abutment. Insi<br>103<br>iicant transverse/v<br>1<br>rrigation ditch. Ma<br>1<br>well defined. Veg  | 011 inspec<br>gnificant cr<br>100%<br>vertical cra<br>100%<br>ain channel<br>100%<br>getated alo  | tion. South wirr<br>racks in all wing<br>103<br>cks throughout<br>1<br>is bermed up  | ngwalls are<br>gwalls.<br>0%<br><br>0%<br>to carry di<br>0%  | on outside of     o     o     o     tch profile unde     o  | abutment.  | North wingwa                       | lls are<br>0%<br>0%                                 | 0             |
| 9338/1<br>9501/1<br>9504/1<br>9520/1 | Channel Cond<br>BankCond               | flush w<br>(LF)<br>Insignif<br>(EA)<br>Small ir<br>(EA)<br>Stable,<br>channe<br>(EA)   | ith abutment. Insi<br>103<br>iicant transverse/v<br>1<br>rrigation ditch. Ma<br>1<br>well defined. Veg<br>I flows through a   | 011 inspec<br>gnificant cr<br>100%<br>vertical cra<br>100%<br>ain channel<br>100%<br>getated alo<br>field.<br>100%  | tion. South wir<br>racks in all win<br>103<br>cks throughout<br>1<br>is bermed up<br>1<br>ng banks to so   | ogwalls are<br>gwalls.<br>0%<br>to carry di<br>0%<br>owth (down  | 0<br>0<br>0<br>tch profile unde<br>0<br>stream). Bare   | abutment.<br>0%<br>0%<br>er bridge.<br>0%<br>banks on r                                      | North wingwa 0 0 0 0 upstream side | IIs are<br>0%<br>0%<br>0%<br>where<br>0%            | 0             |
| 9501/1<br>9504/1                     | Channel Cond<br>BankCond               | flush w<br>(LF)<br>Insignif<br>(EA)<br>Small in<br>(EA)<br>Stable,<br>channe<br>(EA)<br>1 inch v   | ith abutment. Insi<br>103<br>icant transverse/v<br>1<br>rrigation ditch. Ma<br>1<br>well defined. Veg<br>1 flows through a<br>1   | 011 inspec<br>gnificant cr<br>100%<br>vertical cra<br>100%<br>in channel<br>100%<br>getated alo<br>field.<br>100%<br>rack in asp  | tion. South wirr<br>racks in all wing<br>103<br>cks throughout<br>1<br>is bermed up<br>1<br>ng banks to so<br>1<br>halt at back fa   | gwalls are<br>gwalls.<br>0%<br>to carry di<br>0%<br>owth (down<br>0%<br>ce of both                           | on outside of     o     o     o     o     o     o     o     o     o     stream). Bare     o     o     abutments has                             | abutment.  | North wingwa 0 0 0 0 upstream side | IIs are<br>0%<br>0%<br>0%<br>where<br>0%            | 0             |
| 9501/1<br>9504/1<br>9520/1           | Channel Cond<br>BankCond               | flush w<br>(LF)<br>Insignif<br>(EA)<br>Small in<br>(EA)<br>Stable,<br>channe<br>(EA)<br>1 inch v   | ith abutment. Insi<br>103<br>icant transverse/w<br>1<br>rrigation ditch. Ma<br>1<br>well defined. Veg<br>1 flows through a<br>1<br>wide transverse c  | 011 inspec<br>gnificant cr<br>100%<br>vertical cra<br>100%<br>in channel<br>100%<br>getated alo<br>field.<br>100%<br>rack in asp  | tion. South wirr<br>racks in all wing<br>103<br>cks throughout<br>1<br>is bermed up<br>1<br>ng banks to so<br>1<br>halt at back fa   | gwalls are<br>gwalls.<br>0%<br>to carry di<br>0%<br>owth (down<br>0%<br>ce of both                           | on outside of     o     o     o     o     o     o     o     o     o     stream). Bare     o     o     abutments has                             | abutment.  | North wingwa 0 0 0 0 upstream side | IIs are<br>0%<br>0%<br>0%<br>where<br>0%            | 0             |
| 9501/1<br>9504/1<br>9520/1           | Channel Cond<br>BankCond<br>AppRdAlign | flush w<br>(LF)<br>Insignif<br>(EA)<br>Small ir<br>(EA)<br>Stable,<br>channe<br>(EA)<br>1 inch v<br>rail witt<br>(EA)                    | ith abutment. Insi<br>103<br>icant transverse/w<br>1<br>rrigation ditch. Ma<br>1<br>well defined. Veg<br>1 flows through a<br>1<br>wide transverse c  | 011 inspec<br>gnificant cr<br>100%<br>vertical cra<br>100%<br>in channel<br>100%<br>getated alo<br>field.<br>100%<br>rack in asp<br>nal ends. §<br>100%                 | tion. South wirr<br>racks in all wing<br>103<br>cks throughout<br>1<br>is bermed up<br>1<br>ng banks to so<br>1<br>chalt at back fa<br>Slotted rail sect<br>1                          | ogwalls are<br>gwalls.<br>0%<br>to carry di<br>0%<br>owth (down<br>0%<br>ce of both<br>ion damag<br>0%       | on outside of     o     o     o     o     o     o     c     file unde     o     stream). Bare     o     abutments has     ged at northwes     o | abutment.<br>0%<br>0%<br>er bridge.<br>0%<br>banks on t<br>0%<br>s been sea<br>st end.<br>0% | North wingwa                       | IIs are<br>0%<br>0%<br>0%<br>where<br>0%<br>pproach | 0<br> 0<br> 0 |
| 9501/1<br>9504/1<br>9520/1           | Channel Cond<br>BankCond<br>AppRdAlign | flush w<br>(LF)<br>Insignif<br>(EA)<br>Small ir<br>(EA)<br>Stable,<br>channe<br>(EA)<br>1 inch v<br>rail witt<br>(EA)<br>Galvan          | ith abutment. Insi<br>103<br>iicant transverse/v<br>1<br>rrigation ditch. Ma<br>1<br>well defined. Veg<br>el flows through a<br>1<br>wide transverse c<br>n slotted rail termi<br>1                       | 011 inspec<br>gnificant cr<br>100%<br>vertical cra<br>100%<br>in channel<br>100%<br>getated alo<br>field.<br>100%<br>rack in asp<br>nal ends. §<br>100%<br>transitions, | tion. South wirr<br>racks in all wing<br>103<br>cks throughout<br>1<br>is bermed up<br>1<br>1<br>ng banks to so<br>1<br>chalt at back fa<br>Slotted rail sect<br>1<br>, approach rails | ogwalls are<br>gwalls.<br>0%<br>0%<br>to carry di<br>0%<br>0%<br>ce of both<br>ion damag<br>0%<br>s are long | on outside of     o     o     o     o     o     o     c     file unde     o     stream). Bare     o     abutments has     ged at northwes     o | abutment.<br>0%<br>0%<br>er bridge.<br>0%<br>banks on t<br>0%<br>s been sea<br>st end.<br>0% | North wingwa                       | IIs are<br>0%<br>0%<br>0%<br>where<br>0%<br>pproach | 0<br> 0<br> 0 |
| 9501/1<br>9504/1                     | Channel Cond<br>BankCond<br>AppRdAlign | flush w<br>(LF)<br>Insignif<br>(EA)<br>Small ir<br>(EA)<br>Stable,<br>channe<br>(EA)<br>1 inch<br>rail witt<br>(EA)<br>Galvan<br>slotted | ith abutment. Insi<br>103<br>icant transverse/v<br>1<br>rrigation ditch. Ma<br>1<br>well defined. Veg<br>1<br>well defined. Veg<br>1<br>wide transverse c<br>n slotted rail termi<br>1<br>ized Thrie-beam | 011 inspec<br>gnificant cr<br>100%<br>vertical cra<br>100%<br>in channel<br>100%<br>getated alo<br>field.<br>100%<br>rack in asp<br>nal ends. §<br>100%<br>transitions, | tion. South wirr<br>racks in all wing<br>103<br>cks throughout<br>1<br>is bermed up<br>1<br>1<br>ng banks to so<br>1<br>chalt at back fa<br>Slotted rail sect<br>1<br>, approach rails | ogwalls are<br>gwalls.<br>0%<br>0%<br>to carry di<br>0%<br>0%<br>ce of both<br>ion damag<br>0%<br>s are long | on outside of     o     o     o     o     o     o     c     file unde     o     stream). Bare     o     abutments has     ged at northwes     o | abutment.<br>0%<br>0%<br>er bridge.<br>0%<br>banks on t<br>0%<br>s been sea<br>st end.<br>0% | North wingwa                       | IIs are<br>0%<br>0%<br>0%<br>where<br>0%<br>pproach | 0<br> 0<br> 0 |

# Inspection References and Definitions:

CDOT\_SIA Version 9c - 1/8/2021

## Routine Inspection Colorado Department of Transportation Structure Inspection and Inventory Report (English Units)

Highway Number (ON) 5D: 00000 V Mile Post (ON) 11: 2.060 mi

#### Linear Ref. Sys. MP: 2.060 mi

#### <u>Crack Width Descriptions for Reinforced Concrete:</u> Insignificant cracking (in.) = Less than 0.012 wide Moderate cracking (in.) = 0.012 to 0.05 wide Wide cracking (in.) = Greater than 0.05 wide

### Rust Codes (R Codes):

- R1 = Peeling of the paint, pitting, surface rust, etc., no measurable section loss.
- R2 = Flaking, minor section loss (< 10% thickness loss).
- R3 = Flaking, swelling, mod section loss (10% < thickness loss <30%).
- R4 = Heavy section loss (> 30% thickness loss), may have holes through base metal.

<u>Crack Width Descriptions for Prestressed Concrete:</u> Insignificant cracking (in.) = Less than 0.004 wide Moderate cracking (in.) = 0.004 to 0.009 wide Wide cracking (in.) = Greater than 0.009 wide

### Concrete Scaling Codes (S Codes):

- S1 = Light scale up to 1/4" deep.
- S2 = Moderate scale up to 1/2" deep with agg. exposed.
- S3 = Heavy scale up to 1" deep with some agg. loose or missing.
- S4 = Critical scale > 1" deep with reinforcing bars exposed and general disintegration of the concrete.

#### Maintenance Activity Summary

| MMS Activity | Description             | Recommended | Status | Target Year | Priority |
|--------------|-------------------------|-------------|--------|-------------|----------|
| 306.08 A     | Approach Railing-Repair | 3/5/2019    | 1      | 2023        | Medium   |

Replace damaged slotted W-beam section at end of northwest approach rail.

| 353.04 | Deck-Seal | 3/22/2015 | 1 | 2022 | Low |   |
|--------|-----------|-----------|---|------|-----|---|
| 0      |           |           |   |      |     | - |

Seal cracks in asphalt in deck overlay.

| 358.05      | Substructure-Patch spalls            | 3/5/2019 | 1 | 2023 | Medium |
|-------------|--------------------------------------|----------|---|------|--------|
| Datah anali | in east shutment (A2) under Cirder E |          |   |      |        |

Patch spall in east abutment (A2) under Girder E.

#### **Bridge Notes**

#### Inspection Notes

| Date - 3/9/2021  |               |          |                       |
|------------------|---------------|----------|-----------------------|
| Temp: 47 degrees | Time: 2:30 PM | Weather: | Partly cloudy, breeze |

## Scour Item 113 Documentation

CS152-0.4-S159 SCOUR Item 113 Screening Memo 2016 04 20.pdf

## Bat Present At Bridge

No

Inspection Access Requirements

Scheduling Notes

CDOT\_SIA Version 9c - 1/8/2021

| Routine Inspection<br>Colorado Department of Tran<br>Structure Inspection and Inventory Repo | sportation        | Mile Po           | er (ON) 5D: 00000 V<br>st (ON) 11: 2.060 mi<br>f. Sys. MP: 2.060 mi |
|--|-------------------|-------------------|---|
| Scope:   |                   |                   |   |
| NBI Z Element D Underwater   | Fracture Critical | Other             | Type: Regular NBI   |
| Team Leader Inspection Check-off:  |                   |                   |   |
| FCM's  |                   | ertical Clearance |   |
| Posting Signs  | D S               | tream Bed Profile |   |
| Essential Repair Verification  |                   |                   |   |
|  |                   |                   |   |
| Inspection Team: <u>STANTEC</u>  |                   |                   |   |
| Inspection Date: 03/09/2021  |                   |                   |   |
|  | <br>I             | nspector: Unknown |   |
|  |                   |                   |   |

Inspector (Team Leader): QYUEN NGO