|   |              |            |                 |                     |         |               | Bridge I  | nspe            | ection  |         |                |                  |                 |                                      |       |          |
|---|--------------|------------|-----------------|---------------------|---------|---------------|---|-----------------|---|---------|----------------|------------------|-----------------|--------------------------------------|-------|----------|
| Bridge File Number 75522 -1 Bridge                      |              |            |                 |                     |         |               | 711. N. C.  |                 | Form Type   |         |                | SG               |                 |                                      |       |          |
| Year Built/Year 1963/1963                               |              |            |                 |                     |         |               |   |                 | Lot No.   |         |                | 2                |                 |                                      |       |          |
| Supstr  |              |            |                 |                     |         |               |   | Ins             | Inspector Name  |         |                | Wade Nanninga    |                 |                                      |       |          |
| Bridge or Town Name LEDUC                               |              |            |                 |                     |         |               |   |                 | Inspector Class   |         |                | BR CLS A         |                 |                                      |       |          |
| Located Over 2:30 L1 33.846;2:30 R1 33.844              |              |            |                 |                     |         |               |   | Assistant Name  |   |         |                |                  |                 |                                      |       |          |
| Located On 2A:27 L1 2.665;2A:27 R1 2.691                |              |            |                 |                     |         |               |   | Assistant Class |   |         |                |                  |                 |                                      |       |          |
| Water Body Cl./Year                                     |              |            |                 |                     |         |               | Ins   | Inspection Date |   |         | 25-Apr-2013    |                  |                 |                                      |       |          |
| Navigabil. Cl./Year                                     |              |            |                 |                     |         |               |   | Data Entry By   |   |         | Lisa Fairhurst |                  |                 |                                      |       |          |
| Legal Land Location SE SEC 27 TWP 49 RGE                |              |            |                 |                     |         |               |   |                 | Data Entry Date   |         |                | 03-May-2013      |                 |                                      |       |          |
| Longitude, Latitu                                       | 33:44, 53:15 | :09        |                 |                     |         | Reviewer Name |   |                 | Eric Carcoux  |         |                |                  |                 |                                      |       |          |
| Road Authority  |              | Albert     | a Transport     | ransportation (AIT) |         |               |   |                 | Review Date   |         |                | 01-May-201       | 3               |                                      |       |          |
| Contract Main. A  | rea          | CMA1       | 1               |                     |         |               |   | De              | pt. Revie   | ewer N  | lame           |                  |                 |                                      |       |          |
| Clear Roadway/S   | Skew         | 14.6 /     |                 |                     |         |               |   |                 | pt. Revie   | ew Da   | te             |                  |                 |                                      |       |          |
| AADT/Year   |              |            | / 2013 (E)      |                     |         |               |   | Fol             | llow-Up I   | Ву      |                |                  |                 |                                      |       |          |
| Road Classificati                                       | on           |            | 213.4-120       |                     |         |               |   |                 |   | -       |                |                  |                 |                                      |       |          |
| Detour Length (k  |              | 5          |                 |                     |         |               |   |                 |   |         |                |                  |                 |                                      |       |          |
| Allowable Load (  | t):  Sin     |            | S1 58<br>SIRDER |                     | Semi    |               | S2 83<br>IRDER  |                 |   | Train   |                | 3 91<br>RDER     |                 | > On Critical Spans> Critical Member |       |          |
| Design Loading:   |              |            | IS20            |                     |         | 0             | INDLIN  |                 |   |         | Oil            | INDLIN           |                 | > Primary                            |       |          |
| Doolgii Loadiiig.                                       |              | '          | 1020            |                     |         | Р             | osting l  | nfor            | mation  |         |                |                  |                 | > i iiiiary                          | Оран  |          |
| Required Vert. C  | learan       | ce Pos     | stina (m)       | UNDEF               | R: 2 L1 |               | n, 2 R1   |                 |   |         |                |                  |                 |                                      |       |          |
| Posted Vertical C                                       |              |            |                 | Yes                 |         |               | ,   | -               |   |         |                |                  |                 |                                      |       |          |
|   | NB           |            | Bridge (m)      |                     | In Adv  | ance          | (Y/N)   | Yes             | Yes Lane S  |         | С              | n Bridge (m) 5.1 |                 | In Advance (Y/N)                     |       | Yes      |
| Remarks   |              |            | 3 ( )           |                     |         |               | ( ' )   |                 |   |         |                | - 3 - ( )        |                 |                                      | ( ' ) |          |
| Required Load P   | osting       | (t)        |                 | Single              |         |               |   |                 | Semi  |         |                |                  | Truck Train     |                                      |       |          |
| Posted Loading (  |              | ( )        |                 | Single              |         |               |   |                 | Semi  |         |                |                  | Truck Train     |                                      |       |          |
|   | Lane         | NE         | 3               | At Junction (Y/N)   |         |               | No  |                 | In Adva   | ance (  | Y/N)           | No               | At Bridge (Y/N) |                                      | No    |          |
|   | Lane         | SE         |                 | At Juno             |         |               | No  | In Advance      |   | •       |                |                  |                 |                                      | No    |          |
| Remarks Not required.                                   |              |            |                 | (1                  | , ,     | 1.10          |   | 1               | (   |         | 1112           |                  | 192 (1711)      |                                      |       |          |
| Hazard Marker A   |              |            |                 |                     |         |               |   |                 |   |         |                |                  |                 |                                      |       |          |
| Remarks   |              |            |                 |                     |         |               |   |                 |   |         |                |                  |                 |                                      |       |          |
| Other Sign Types  | <br>S        |            | Informa         | ition, wa           | rning r | educ          | e bridge  | clea            | rance.  |         |                |                  |                 |                                      |       |          |
| <u>.</u>  |              |            |                 |                     |         |               | tilities (  |                 |   |         |                |                  |                 |                                      |       |          |
| Utility Attachmen                                       | ts P         | OWER       | UTILITIES       | POWER               | R LINE  |               |   |                 |   |         |                |                  |                 |                                      |       |          |
| Telephone   | C.S.W        | <i>1</i> . |                 |                     |         |               |   | Ga              | s   |         |                |                  |                 |                                      |       |          |
| Power   | On ea        | st side    |                 |                     |         |               |   | Municipal       |   |         |                |                  |                 |                                      |       |          |
| Others  | Light        | standa     | rds.            |                     |         |               |   | Pro             | Problem (Y/N) Yes   |         |                |                  |                 |                                      |       |          |
| Remarks   | Telus        | utility b  | oox is open.    |                     |         |               |   |                 |   |         |                |                  |                 |                                      |       |          |
|   |              |            |                 |                     |         |               | Appro   |                 |   |         |                |                  |                 |                                      |       |          |
|   |              |            |                 |                     |         | Last          |   |                 | Explanation of Condition  |         |                |                  |                 |                                      |       |          |
| Horizontal Alignn                                       |              |            |                 |                     |         | 5             | 5   |                 | Approach roads are on/off ramps, tight curves. Limited distances. |         |                |                  |                 | sight                                |       |          |
| Vertical Alignment                                      |              |            |                 | 6                   | 6       | 410           |   |                 |   |         |                |                  |                 |                                      |       |          |
| Roadway Width (m) 14.600                                |              |            |                 |                     |         |               |   |                 |   |         |                |                  |                 |                                      |       |          |
| Approach Bump   |              |            |                 |                     | 7       | 7             |   |                 |   |         |                |                  |                 |                                      |       |          |
| Guardrail (Y/N) Yes                                     |              |            |                 |                     |         | No            | t thrie be  | eam             |   |         |                |                  |                 |                                      |       |          |
| Guardrail   |              |            | 6               | 6                   |         | t fleat       |   |                 |   |         |                |                  |                 |                                      |       |          |
| Length (m) 99.000                                       |              |            |                 |                     |         |               |   |                 |   |         |                |                  |                 |                                      |       |          |
| Current Standard (Y/N) No  Termination Type Turned Down |              |            |                 |                     |         |               |   |                 |   |         |                |                  |                 |                                      |       |          |
| Termination Ty  | pe           |            | Turned          | חסאט                |         |               |   | Λ               | n ro 1- 0   | ا-ملم ( | . d==!         | 000 000 -00-     | ala:= =:        | wingall "                            | 1     | ro ===== |
| Drainage  |              |            |                 |                     | 3       | 3             | Approach & deck drainage eroding along wingwalls all 4 corners running under headslopephoto Erosion left 300mm void at NE & SE corners below approach sl. |                 |   |         |                |                  |                 |                                      |       |          |
| Approach Road General Rating                            |              |            |                 |                     | 5       | 5             |   |                 |   |         |                |                  |                 |                                      |       |          |

| Bridge Component   Last   Now   Explanation of Condition   |                      |                        |          |         |                 |       | Supers | structure   |  |  |  |  |  |  |
|--|----------------------|------------------------|----------|---------|-----------------|-------|--------|---|--|--|--|--|--|--|
| Primary Spen : RB, 4 Spans, Lengths(m): 12.5-21.3-21.3-12.5, A-Ident Number: A0424-01)   Special Feature   7   | Bridge Com           | ponent                 |          |         |                 |       |        |   |  |  |  |  |  |  |
| Special Feature   7  | (Primary Spa         | n : <b>RB, 4 Spa</b> ı | ns, Len  | gths(n  | n): 12.5-21.3-2 |       |        | •   |  |  |  |  |  |  |
| Special Feature  |                      |                        |          |         |                 |       | ·      |   |  |  |  |  |  |  |
| Advance High Load Warning   Cameras mounted on South end of P1   Cameras mounted on South end of P3 & North end of P1   Cameras mounted on South end of P1   Cameras mo   |                      |                        |          |         |                 | 7     | N      | Refer to LevelII girder report for details related to coverplates.                |  |  |  |  |  |  |
| Special Feature  | (SType : C           | ATH PROTEC             | TION)    |         |                 |       |        |   |  |  |  |  |  |  |
| Type:  |                      |                        |          |         |                 |       | X      | Advance High Load Warning.  Cameras mounted on South end of P3 & North end of P1. |  |  |  |  |  |  |
| Wearing Surface  | ·                    |                        |          |         |                 |       |        |   |  |  |  |  |  |  |
| N(%)   1(%)   2(%)   3(%)   1(%)   2(%)   3(%)   |                      | face/Deck Top          | Detail F | Ratings |                 |       |        |   |  |  |  |  |  |  |
| Liest  | Trouming Cum         | 1                      |          |         |                 | 3 (%) |        |   |  |  |  |  |  |  |
| New   0.0   0.0   0.0   0.0   0.0   0.0   0.0  | Last                 | (,0)                   | (,,,     |         | _ (/-/          | (,,,  |        |   |  |  |  |  |  |  |
| Material Type: CONCRETE - CONVENTIONAL CHIP SEAL COAT)   COAT)   (Thickness(mm): 50)   Deck Top   N N N     Deck Rideability   7 7 7     Deck Joints   7 7 7     Temperature (deg. C)   20   (Expansion Type: GLAND (WABO-MAUER, TRANSFLEX, ETC)) ((Fixed Type:) Gap Size (mm)   Gap Location     For the company of the compan   | Now                  | 0.0                    | 0.       | .0      | 0.0             | 0.0   |        |   |  |  |  |  |  |  |
| Material Type: CONCRETE - CONVENTIONAL CHIP SEAL COAT)   COAT)   (Thickness(mm): 50)   Deck Top   N N N     Deck Rideability   7 7 7     Deck Joints   7 7 7     Temperature (deg. C)   20   (Expansion Type: GLAND (WABO-MAUER, TRANSFLEX, ETC)) ((Fixed Type:) Gap Size (mm)   Gap Location     For the company of the compan   |                      |                        |          |         |                 |       | 5      | Approx 1% worn off.   |  |  |  |  |  |  |
| (Thickness(mm): 50)  Deck Top  N N N Deck Rideability  7 7 Temperature (deg. C) (Expansion Type: GALVAN (WABO-MAUER, TRANSFLEX, ETC)) ((Fixed Type:) Gap Size (mm) Gap Location  57 West abutment 51 East abutment 51 East abutment 51 Brid bath on North side @ mid span of bridge-photo Bird baths not affecting driving lanes - Jul/2011)  Curbs/Median 4 4 Wide vertical cracking on curbs. Scaling (Percent Area) Scaling (Percent Area) Scaling (Percent Area) Scaling (Percent Area) Sidewalk X X  Sidere/Beam Cover Plate Flange 3 4 N High load scrapes minor @ span #3 & 2. (There are a total of 14 coverplate cracks that are not terminated and may gown. They are all well marked - Jul/2011) Web 3 5 Stiffeners X X Spilice 6 6 Cover Plate N High load scrapes minor @ span #3 & 2. (There are a total of 14 coverplate cracks that are not terminated and may gown. They are all well marked - Jul/2011) HLD @ S2G8 over S.B.L., bottom flange pushed in approx. 25mm-photos Spilice Brid bath on North side Brid bath post from SE parapet. Bird bath post from NE. Spilice Scaling And cracking along undersides. Scaling And cracking along undersides. Scaling And cracking along undersides. Scaling Anchor bolt broken off 3rd post from NE. Spilice Spilice Scaling R High load scrapes minor @ span #3 & 2. (There are a total of 14 coverplate cracks that are not terminated and may gown. They are all well marked - Jul/2011) HLD @ S2G8 over S.B.L., bottom flange pushed in approx. 25mm-photos Spilice Scaling over S.B.L., bottom flange pushed in approx. 25mm-photos  | (Material T          |                        | ETE - C  | ONVE    | NTIONAL CH      | P SEA | Ĺ      |   |  |  |  |  |  |  |
| Deck Rideability 7 7 7  Deck Joints 7 7  Temperature (deg. C) 20 (Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC)) (Fixed Type :) Gap Size (mm) Gap Location 57 West abutment 51 East abutment 51 East abutment 61 East abutment 61 West abutment 62 Birl obst from SE parapet. Birl obst no North side @ mid span of bridge-photo Bird baths not affecting driving lanes - Jul/2011) Wide vertical cracking on curbs. Scaling (Percent Area) 5 Bridge Rail Crype : GALVANIZED STEEL VERTICAL BAR) Bridge Rail Posts 3 3 Crype : GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge RailPosts Coating 7 7 Crype : GALVANIZED  Sidewalk X X  Sidewalk X X  Spilice 3 3 N High load scrapes minor @ span #3 & 2. (There are a total of 14 coverplate cracks that are not terminated and maprox. 25mm photos Stiffeners X X Spilice Seals place well in vicinity of H.L.D not inspectable.   | COAT)                |                        |          |         |                 |       |        | _   |  |  |  |  |  |  |
| Deck Rideability  7 7  Temperature (deg. C) 20  (Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC)) (Fixed Type :)  Gap Size (mm)  Gap Location  57  West abutment  51  East abutment  51  East abutment  Deck Drainage  Deck Spall pier cap below pier 2 joint.  (Bird bath @ 8th post from SE parapet. Bird bath on North side @ mid span of bridge-photo Bird baths not affecting driving lanes - Juli 2011)  We vertical cracking on curbs.  Scaling and cracking along undersides.  Scaling and cracking along undersides.  Scaling and cracking along undersides.  Spall at SE parapet affects rail connection.  4 6  Type: GALVANIZED POST STEEL;GALVANIZED POST ST | (Thickness           | (mm) : <b>50</b> )     |          |         |                 | 1     |        |   |  |  |  |  |  |  |
| Deck Joints  | Deck Top             |                        |          |         |                 | N     | N      |   |  |  |  |  |  |  |
| Deck Joints  | D 1 D:1 1            | ****                   |          |         |                 |       |        |   |  |  |  |  |  |  |
| Temperature (deg. C) 20  (Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC)) ((Fixed Type : )  Gap Size (mm)  Sap Location  From West abutment  Sap Location  From West abutment  Sap Location  Deck Drainage  Drains Clogged (Y/N)  No  Curbs/Median  (Curb Type : Standard)  Scaling (Percent Area)  Saling (Percent Area)  Saling (Percent Area)  Saling Posts  (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)  Sidewalk  X X   Girder/Beam  Cover Plate  Cover P | Deck Rideab          | ollity                 |          |         |                 | /     | /      |   |  |  |  |  |  |  |
| Temperature (deg. C) 20 (Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC)) (Fixed Type : ) Gap Size (mm) Sap Location  From West abutment  East abutment  Deck Drainage Drains Clogged (Y/N) No Curbs/Median (Curb Type : Standard) Scaling (Percent Area) Scaling (Percent Area) Saridge Rail Crype : GALVANIZED STEEL VERTICAL BAR) Bridge Rail Posts Sidewalk X X  Girder/Beam Cover Plate Cover Plate Flange 3  | Deck Joints          |                        |          |         |                 | 7     | 7      |   |  |  |  |  |  |  |
| (Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC)) (Fixed Type : ) Gap Size (mm) Gap Location 57 West abutment 51 East abutment 51 East abutment 51 (Bird bath @ 8th post from SE parapet. Bird bath on North side @ mid span of bridgephoto Bird baths not affecting driving lanes - Jul/2011)  Curbs/Median (Curb Type : Standard) Scaling (Percent Area) Seridge Rail (Type : GALVANIZED STEEL VERTICAL BAR) Bridge Rail (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL) Sidewalk X X  Girder/Beam Cover Plate 1 Siffeners  |                      | re (dea. C)            | 2        | 20      |                 |       |        |   |  |  |  |  |  |  |
| (Fixed Type : ) Gap Size (mm)  |                      |                        | D (WAE   | ВО-МА   | UER, TRANS      | FLEX, | ETC))  |   |  |  |  |  |  |  |
| Gap Size (mm)  Gap Location  West abutment  East abutment  East abutment  Deck prainage  Drains Clogged (Y/N)  No  Curbs/Median  Curb Type : Standard)  Scaling (Percent Area)  Bridge Rail  CType : GALVANIZED STEEL VERTICAL BAR)  Bridge Rail Posts  3 3 3  CType : GALVANIZED POST STEEL; GALVANIZED POST  STEEL)  Bridge Rail V  Curb Type : GALVANIZED  Scaling (Percent Area)  Bridge Rail Posts  3 3 3  CType : GALVANIZED STEEL; GALVANIZED POST  STEEL)  Sidewalk  X X   Grider/Beam  Cover Plate  Cover Plate  Flange  3 1 4 High load scrapes minor @ span #3 & 2.  (There are a total of 14 coverplate cracks that are not terminated and may grow. They are all well marked - Jul/2011)  Scaling and cracking along undersides.  Spall at SE parapet affects rail connection.  High load scrapes minor @ span #3 & 2.  (There are a total of 14 coverplate cracks that are not terminated and may grow. They are all well marked - Jul/2011)  Stiffeners  X X X  Splice  Bridge Rail V  LD @ S2G8 over S.B.L, bottom flange pushed in approx. 25mmphotos  Diaphram gusset plates weld in vicinity of H.L.D not inspectable.  |                      |                        |          |         | •               |       |        |   |  |  |  |  |  |  |
| Deck Drainage  |                      | •                      |          | Gap L   | ocation         |       |        |   |  |  |  |  |  |  |
| Deck Drainage  | 57                   |                        |          |         |                 |       |        |   |  |  |  |  |  |  |
| Deck Drainage  Deck spall pier cap below pier 2 joint.  (Bird bath @ 8th post from SE parapet. Bird bath on North side @ mid span of bridge -photo Bird bath on North side @ mid span of bridge -photo Bird bath on North side @ mid span of bridge -photo Bird bath on North side @ mid span of bridge -photo Bird baths not affecting driving lanes - Jul/2011)  Curbs/Median  4 4 4 Wide vertical cracking on curbs.  Scaling (Percent Area) 5  Bridge Rail  (Type : GALVANIZED STEEL VERTICAL BAR)  Bridge Rail Posts  3 3 3  Anchor bolt broken off 3rd post from NE.  Spall at SE parapet affects rail connection.  Figer GALVANIZED POST STEEL;GALVANIZED POST  STEEL)  Bridge Rail/Posts Coating  7 7 7  (Type : GALVANIZED)  Sidewalk  X X  Girder/Beam  Cover Plate  3 N Flange  3 4 Web  3 5 Stiffeners  X X Splice  Bridge Sidewalk In it is a strain on terminated and may grow. They are all well marked - Jul/2011)  H.L.D @ S2G8 over S.B.L, bottom flange pushed in approx. 25mm bridge pushed in vicinity of H.L.D not inspectable.  |                      |                        |          |         |                 |       |        |   |  |  |  |  |  |  |
| Drains Clogged (Y/N)    Curbs   Standard   A   |                      |                        |          |         |                 |       |        |   |  |  |  |  |  |  |
| Drains Clogged (Y/N)    Curbs   Standard   A   |                      |                        |          |         |                 |       |        | -   |  |  |  |  |  |  |
| Drains Clogged (Y/N)    Curbs   Standard   A   |                      |                        |          |         |                 |       |        | -   |  |  |  |  |  |  |
| Drains Clogged (Y/N)    Curbs   Standard   A   |                      |                        |          |         |                 |       |        | -   |  |  |  |  |  |  |
| Drains Clogged (Y/N)    Curbs   Standard   A   | Deck Draina          | ge                     |          |         |                 | 4     | 4      | Deck spall pier cap below pier 2 joint.   |  |  |  |  |  |  |
| Bird bath on North side @ mid span of bridgephoto Bird baths not affecting driving lanes - Jul/2011)   Curbs/Median  |                      |                        |          | No.     |                 |       |        |   |  |  |  |  |  |  |
| Bird baths not affecting driving lanes - Jul/2011)  Curbs/Median 4 4  (Curb Type : Standard) Scaling (Percent Area) 5  Bridge Rail 4 6  (Type : GALVANIZED STEEL VERTICAL BAR) Bridge Rail Posts 3 3  (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL;GALVANIZED POST STEEL)  Bridge Rail/Posts Coating 7 7  (Type : GALVANIZED)  Sidewalk X X  Girder/Beam  Cover Plate 3 N Flange 3 4 Flange 3 4 Web 3 5 Stiffeners X X X  Splice Bird baths not affecting driving lanes - Jul/2011)  Wide vertical cracking on curbs.  Scaling and cracking along undersides.  Scaling and crac |                      | 99 ( ,                 |          |         |                 |       |        | Bird bath on North side @ mid span of bridgephoto                                 |  |  |  |  |  |  |
| Curb Type : Standard   Scaling (Percent Area)   5  |                      |                        |          |         |                 |       | _      | Bird baths not affecting driving lanes - Jul/2011)                                |  |  |  |  |  |  |
| Scaling (Percent Area) 5  Bridge Rail 4 6 (Type : GALVANIZED STEEL VERTICAL BAR)  Bridge Rail Posts 3 3 (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)  Bridge Rail/Posts Coating 7 7 (Type : GALVANIZED)  Sidewalk X X  Girder/Beam  Cover Plate 3 N High load scrapes minor @ span #3 & 2. (There are a total of 14 coverplate cracks that are not terminated and may grow. They are all well marked - Jul/2011)  Web 3 5 Stiffeners X X X Splice 6 6  | Curbs/Media          | n                      |          |         |                 | 4     | 4      | Wide vertical cracking on curbs.  |  |  |  |  |  |  |
| Scaling (Percent Area) 5  Bridge Rail  | (Curb Type           | : Standard)            |          |         |                 | 1     |        | Scaling and cracking along undersides.  |  |  |  |  |  |  |
| Cover Plate  | Scaling (Pe          | ercent Area)           | 5        | 5       |                 |       |        |   |  |  |  |  |  |  |
| Bridge Rail Posts  (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)  Bridge Rail/Posts Coating  (Type : GALVANIZED)  Sidewalk  X    Girder/Beam  Cover Plate  Flange  3  | Bridge Rail          |                        |          |         |                 | 4     | 6      |   |  |  |  |  |  |  |
| Bridge Rail Posts  (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)  Bridge Rail/Posts Coating  (Type : GALVANIZED)  Sidewalk  X  X   Girder/Beam  Cover Plate  Flange  3  | (Type : GA           | LVANIZED ST            | EEL V    | ERTIC   | AL BAR)         |       |        | Anchor holt broken off 3rd post from NE   |  |  |  |  |  |  |
| Bridge Rail/Posts Coating 7 7  (Type: GALVANIZED)  Sidewalk X X  Girder/Beam  Cover Plate 3 N High load scrapes minor @ span #3 & 2.  Flange 3 4 (There are a total of 14 coverplate cracks that are not terminated and may grow. They are all well marked - Jul/2011)  Web 3 5  Stiffeners X X X  Splice 6 6 6  Bridge Rail/Posts Coating 7 7  There is a span #3 & 2.  There are a total of 14 coverplate cracks that are not terminated and may grow. They are all well marked - Jul/2011)  H.L.D @ S2G8 over S.B.L, bottom flange pushed in approx. 25mmphotos Diaphram gusset plates weld in vicinity of H.L.D not inspectable.   | Bridge Rail F        | Posts                  |          |         |                 | 3     | 3      | Spall at SE parapet affects rail connection.                                      |  |  |  |  |  |  |
| (Type : GALVANIZED)  Sidewalk  X   | (Type : GA<br>STEEL) | LVANIZED PO            | ST ST    | EEL;G   | ALVANIZED       | POST  | _      |   |  |  |  |  |  |  |
| Sidewalk X X  Girder/Beam  Cover Plate 3 N High load scrapes minor @ span #3 & 2.  Flange 3 4  Web 3 5  Stiffeners X X X  Splice 6 6 6   | Bridge Rail/F        | osts Coating           |          |         |                 | 7     | 7      |   |  |  |  |  |  |  |
| Cover Plate  Stiffeners  Splice  Girder/Beam  Cover Plate  3 N High load scrapes minor @ span #3 & 2. (There are a total of 14 coverplate cracks that are not terminated and may grow. They are all well marked - Jul/2011)  H.L.D @ S2G8 over S.B.L, bottom flange pushed in approx. 25mmphotos Diaphram gusset plates weld in vicinity of H.L.D not inspectable.   | (Type : GA           | LVANIZED)              |          |         |                 |       |        |   |  |  |  |  |  |  |
| Cover Plate3NHigh load scrapes minor @ span #3 & 2.Flange34Web35StiffenersXXSplice66 High load scrapes minor @ span #3 & 2. (There are a total of 14 coverplate cracks that are not terminated and may grow. They are all well marked - Jul/2011) H.L.D @ S2G8 over S.B.L, bottom flange pushed in approx. 25mmphotos Diaphram gusset plates weld in vicinity of H.L.D not inspectable.  | Sidewalk             |                        |          |         |                 | Х     | Х      |   |  |  |  |  |  |  |
| Cover Plate3NHigh load scrapes minor @ span #3 & 2.Flange34Web35StiffenersXXSplice66 High load scrapes minor @ span #3 & 2. (There are a total of 14 coverplate cracks that are not terminated and may grow. They are all well marked - Jul/2011) H.L.D @ S2G8 over S.B.L, bottom flange pushed in approx. 25mmphotos Diaphram gusset plates weld in vicinity of H.L.D not inspectable.  | Girder/Bean          | 1                      |          |         |                 |       |        |   |  |  |  |  |  |  |
| Flange 3 4 Web 3 5 Stiffeners X X X Splice 6 6 6  (There are a total of 14 coverplate cracks that are not terminated and may grow. They are all well marked - Jul/2011)  H.L.D @ S2G8 over S.B.L, bottom flange pushed in approx. 25mmphotos Diaphram gusset plates weld in vicinity of H.L.D not inspectable.   |                      |                        |          |         |                 | 3 N   |        | High load scrapes minor @ span #3 & 2.  |  |  |  |  |  |  |
| Web 3 5 Stiffeners X X Splice 6 6 6  May grow. They are all well marked - 3di/2011)  H.L.D @ S2G8 over S.B.L, bottom flange pushed in approx. 25mmphotos Diaphram gusset plates weld in vicinity of H.L.D not inspectable.   | Flange               |                        |          |         |                 | 3     | 4      | There are a total of 14 coverplate cracks that are not terminated and             |  |  |  |  |  |  |
| Stiffeners  X X Splice  H.L.D @ S2G8 over S.B.L, bottom flange pushed in approx. 25mmphotos Diaphram gusset plates weld in vicinity of H.L.D not inspectable.  |                      |                        |          |         |                 |       | 5      |   |  |  |  |  |  |  |
| Splice 6 6 Diaphram gusset plates weld in vicinity of H.L.D not inspectable.   |                      |                        |          |         |                 |       |        |   |  |  |  |  |  |  |
|  | Splice               |                        |          |         |                 |       |        |   |  |  |  |  |  |  |
|  | ·                    |                        |          |         |                 | 3     | 5      |   |  |  |  |  |  |  |

| Bridge Component (Primary Span : RB, 4 Spans, Lengths(m) Diaphragms/Cross Frame  Paint Condition | Last | Now    | Explanation of Condition   |  |  |  |  |  |  |
|--|------|--------|--|--|--|--|--|--|--|
| Diaphragms/Cross Frame   |      |        | ·  |  |  |  |  |  |  |
|  | 3    | , A-IC | dent Number: A0424-01)   |  |  |  |  |  |  |
| Paint Condition  |      | N      | (H.L.D has bent 2 diaphragm gusset plates on either side of hitphoto - Jul/2011) |  |  |  |  |  |  |
|  | 4    | 4      | Corrosion with some pitting @ abutments @ ends and top of bottom                 |  |  |  |  |  |  |
| (Colour Description : BLUE)  | '    |        | flange of outside girders.   |  |  |  |  |  |  |
| (Colour Code : <b>15182</b> )  |      |        |  |  |  |  |  |  |  |
| Touchup Required (Y/N) No  |      |        |  |  |  |  |  |  |  |
| Bearings   | 4    | 4      | 40% corrosion pitting. 5 anchor bolts missing from bearings @ West               |  |  |  |  |  |  |
| Temperature (deg. C) 20  |      |        | abutment. All other abutment anchor bolts out of plumb.                          |  |  |  |  |  |  |
| (Expansion Type : SLIDING PLATE)   |      |        |  |  |  |  |  |  |  |
| (Fixed Type : PINNED BEARING)  |      |        |  |  |  |  |  |  |  |
| Coating Adequate (Y/N) No  |      |        |  |  |  |  |  |  |  |
| Functioning (Y/N) Yes  |      |        |  |  |  |  |  |  |  |
| Deck Underside   | 4    | 4      | Tranverse cracking with efflorescence approx every 3m, 5-6 spalls                |  |  |  |  |  |  |
| Stains (Percent Area) 5  |      |        | per span. Some delaminations have corrosion spalls.                              |  |  |  |  |  |  |
| Span Alignment Problems  |      |        |  |  |  |  |  |  |  |
| Vertical (Y/N) No  |      |        |  |  |  |  |  |  |  |
| Horizontal (Y/N) No  |      |        |  |  |  |  |  |  |  |
| Superstructure General Rating  | 3    | 3      | GR carried forward from July 2011  |  |  |  |  |  |  |
|  |      | Subst  | ructure  |  |  |  |  |  |  |
| Bridge Component   | Last | Now    | Explanation of Condition   |  |  |  |  |  |  |
| Abutments  |      |        |  |  |  |  |  |  |  |
| Bearing Seats/Caps   | 6    | 6      | Random med. cracking @ both abutments.   |  |  |  |  |  |  |
| (Type : CONCRETE)  |      |        |  |  |  |  |  |  |  |
| Backwalls/Breastwalls  | 5    | 5      | Random wide cracking with efflorescence at both abutments.                       |  |  |  |  |  |  |
| Wingwalls  | 4    | 4      | Wide crack NE, SE parapet spalled.   |  |  |  |  |  |  |
| Piles  | N    | N      |  |  |  |  |  |  |  |
| Paint/Coating  | 6    | 6      |  |  |  |  |  |  |  |
| Abutment Stability   | 5    | 6      |  |  |  |  |  |  |  |
| Scour/Erosion  | 7    | 4      | Headslope protection undermined.   |  |  |  |  |  |  |
| Piers/Bents  |      |        |  |  |  |  |  |  |  |
| (Type : PIER-COLUMN)   |      |        | Wide vertical crack @ South end of P1. Narrow cracks both ends P2.               |  |  |  |  |  |  |
| Bearing Seats/Caps   | 5    | 5      |  |  |  |  |  |  |  |
| (Type : CONCRETE)  |      |        |  |  |  |  |  |  |  |
| (Total Number of Bearing Piles : 0:0:0)  |      |        |  |  |  |  |  |  |  |
| Pier Shaft/Piles   | 5    | 5      |  |  |  |  |  |  |  |
| Bracing/Struts/Sheathing   | X    | X      |  |  |  |  |  |  |  |
| Nose Plate   | X    | Х      |  |  |  |  |  |  |  |
| Paint/Coating  | 6    | 6      | Type 3 pigmented sealer.   |  |  |  |  |  |  |
| (Colour Description : )  |      |        |  |  |  |  |  |  |  |
| (Colour Code : )   |      |        |  |  |  |  |  |  |  |
| Pier Stability   | 7    | 7      |  |  |  |  |  |  |  |
| Scour  | X    | Х      |  |  |  |  |  |  |  |

| Substructure                  |                         |      |         |   |  |  |  |  |  |  |  |
|-------------------------------|-------------------------|------|---------|---|--|--|--|--|--|--|--|
| Bridge Component              |                         | Last | Now     | Explanation of Condition                              |  |  |  |  |  |  |  |
| Debris (Y/N)                  | No                      |      |         |   |  |  |  |  |  |  |  |
| Substructure General Rating   |                         | 5    | 5       |   |  |  |  |  |  |  |  |
|                               |                         | 5    | Structu | re Usage  |  |  |  |  |  |  |  |
|                               |                         | Last | Now     | Explanation of Condition                              |  |  |  |  |  |  |  |
| Grade Separation              |                         |      |         |   |  |  |  |  |  |  |  |
| Road Alignment                |                         | 8    | 8       |   |  |  |  |  |  |  |  |
| Traffic Safety Features       | Traffic Safety Features |      |         |   |  |  |  |  |  |  |  |
| Туре                          | Guardrail               |      |         |   |  |  |  |  |  |  |  |
| Slope Protection              |                         | 4    | 4       | East headslope undermined from deck drainage - photo. |  |  |  |  |  |  |  |
| (Type : CONCRETE; CONCRE      | ETE)                    |      |         |   |  |  |  |  |  |  |  |
| Bank Stability                |                         | 5    | 5       |   |  |  |  |  |  |  |  |
| Drainage                      |                         | 5    | 5       |   |  |  |  |  |  |  |  |
| Grade Separation General Rati | ng                      | 4    | 5       |   |  |  |  |  |  |  |  |

75522 -1 Bridge

|  |                    |                    |             |                  | Maintenance Red                                | commend    | ations                        |                   |              |           |            |           |     |
|--|--------------------|--------------------|-------------|------------------|--|------------|-------------------------------|-------------------|--------------|-----------|------------|-----------|-----|
| Inspector Recommendations                  |                    |                    | Year        | Inspecto         | or Comments                                    |            | Department Co                 | ommer             | Target Year  | Est. Cost | Cat #      |           |     |
| REPAIR/REPLAC                              |                    |                    | 2013        |                  | anchor bolt and rail bolt.                     |            |                               |                   |              |           |            |           |     |
| GALVANIZE/PAINT BRIDGE RAIL                |                    |                    |             |                  |  |            |                               |                   |              |           |            |           |     |
| RETROFIT BRIDGE RAIL                       |                    |                    |             |                  |  |            |                               |                   |              |           |            |           |     |
| SEAL CURBS                                 |                    |                    |             |                  |  |            |                               |                   |              |           |            |           |     |
| PATCH DECK                                 |                    |                    |             |                  |  |            |                               |                   |              |           |            |           |     |
| SEAL DECK                                  |                    |                    |             |                  |  |            |                               |                   |              |           |            |           |     |
| OVERLAY DECK                               |                    |                    |             |                  |  |            |                               |                   |              |           |            |           |     |
| REPAIR/REPLACE DECK JOINTS                 |                    |                    |             |                  |  |            |                               |                   |              |           |            |           |     |
| RESET/ PAINT BEARINGS                      |                    |                    | 2013        | Reset ar         | nd paint.                                      |            |                               |                   |              |           |            |           |     |
| REPAINT SUPER                              | RSTRUCTURE         |                    |             |                  |  |            |                               |                   |              |           |            |           |     |
| STRAIGHTEN/RE                              | PLACE MEMBERS      |                    |             |                  |  |            |                               |                   |              |           |            |           |     |
| WASHING                                    |                    |                    |             |                  |  |            |                               |                   |              |           |            |           |     |
| SHOTCRETE REPAIRS                          |                    |                    |             |                  |  |            |                               |                   |              |           |            |           |     |
| REPAIR ABUTMENT SCOUR/EROSION              |                    |                    |             |                  |  |            |                               |                   |              |           |            |           |     |
| PLACE ADDITIONAL RIP RAP                   |                    |                    |             |                  |  |            |                               |                   |              |           |            |           |     |
| REMOVE DRIFT ACCUMULATION                  |                    |                    |             |                  |  |            |                               |                   |              |           |            |           |     |
| OTHER ACTION                               |                    |                    | 2013        | Repair e troughs | erosion @ corners & install dra<br>at corners. | ain        |                               |                   |              |           |            |           |     |
| OTHER ACTION                               |                    |                    | 2013        | Notify Te        | elus of open box.                              |            |                               |                   |              |           |            |           |     |
| OTHER ACTION                               |                    |                    | 2013        | Repair 1         | 7 cracks in coverplates - if no                | ot done.   |                               |                   |              |           |            |           |     |
| OTHER ACTION                               |                    |                    | 2013        | Inspect I        | HLD @ next scheduled Level                     | l 2.       |                               |                   |              |           |            |           |     |
| Structural Condition Rating (Last/Now) (%) |                    |                    | 44.4/44.    | .4               | Sufficiency Rating (Last/N (%)                 | low) 6     | 63.4/59.4                     | Es                | st. Repl. Yr | 2029      | Maint. Red | qd. (Y/N) | Yes |
| Special<br>Comments for<br>Next Inspection | Monitor HLD. AT to | confirm            | ı if coverp | olates wer       | e repaired.                                    |            | Department<br>Comments        |                   |              |           |            |           |     |
| Maintenance Rev                            | riewed By          |                    |             |                  |  |            | Date                          | Estimated Total 0 |              |           |            |           |     |
| Proposed Long-Term Strategy                |                    |                    |             |                  |  |            |                               |                   |              |           |            |           |     |
| On 3-Year Program (Y/N)                    |                    |                    |             |                  |  |            |                               |                   |              |           |            |           |     |
| Proposed Action                            |                    |                    |             |                  |  |            |                               |                   |              |           |            |           |     |
| Previous Inspector's Name Sh               |                    | Shane Hall Previou |             |                  |  |            | s Assistant's Name            |                   |              |           |            |           |     |
|  |                    | 25-Jar             | 1-2015      |                  |  | Previous I | s Inspection Date 14-Jul-2011 |                   |              |           |            |           |     |
| ·  |                    | 21                 |             |                  |  |            |                               |                   |              |           |            |           |     |
| Comment                                    | . , , , , ,        |                    |             |                  |  |            |                               |                   |              |           |            |           |     |