Overlay? (Y/N)

(Span Type : FC)

(Span Numbers : 1, 2, 3, 4)

Deck

N

(Deck Type: PRECAST CONCRETE (PRECAST STD WT))

| | | | l evel 1 | Inspectio | n - Concret | e Deck | | | | | |
|---------------------------------|-------|-------------------------|----------|--------------------------|-------------|--------|----|--------------|--------------------------------------|--|--|
| Bridge File Number | 7617 | 77 -1 Bridge | Level | z mspecno | Form Type | | | CDK | | | |
| Year Built/Year | 1967 | 7/1967 | | | Lot No. | | | | | | |
| Supstr | | | | | Inspector N | Name | | Jason Saly | | | |
| Bridge or Town Name | LET | HBRIDGE | | | Inspector (| Class | | BR CLS A | | | |
| Located Over | 3:08 | R1 47.487;3:09 L1 0. | 016 | | Assistant N | | | | | | |
| Located On | 25:0 | 2 L1 0.372;25:02 R1 0 | .373 | | Assistant 0 | Class | | | | | |
| Water Body Cl./Year | | | | | Inspection | | | 17-Sep-2012 | | | |
| Navigabil. Cl./Year | | | | | Data Entry | | | Jason Saly | | | |
| Legal Land Location | SW | SEC 11 TWP 9 RGE 2 | 22 W4M | | , , | | | 22-Feb-2013 | | | |
| Longitude, Latitude | -112 | :53:31, 49:42:58 | | | | | | | Paul Carter | | |
| Road Authority | Albe | erta Transportation (Al | Γ) | | Review Da | | | 23-Feb-2013 | | | |
| Contract Main. Area | CMA | N25 | | | | | mo | Tim Davies | | | |
| Clear Roadway/Skew | 15.2 | / -22 deg. (LHF) | | | Dept. Revi | | | 25-Mar-2013 | | | |
| AADT/Year | 4,13 | 0 / 2011 (A) | | | Follow-Up | | | | | | |
| Road Classification | RAL | J-211.8-110 | | | | | | | | | |
| Detour Length (km) | 3 | | | | Visual Insp | | | Y | | | |
| | | | | | CSE Testin | | | Y | | | |
| All - - - - - - - | . 1 | 004.44 | | 000.50 | Chloride T | | 00 | N | 0.0%.10 | | |
| Allowable Load (t): Sin | igie | CS1 41 GIRDER | Semi | CS2 56 GIRDER | | Train | | 3 69 RDER | > On Critical Spans> Critical Member | | |
| Design Loading: | | HS20 | | | | | | | > Primary Span | | |
| (Primary Span : FC, Sp | ans: | : 1,2,3,4, Lengths(m): | 13.1-25 | .9-25.9-13. ⁻ | 1) | | | | | | |
| (Total Length : 13.1-25 | .9-25 | i.9-13.1 = 78.0) | | | | | | | | | |

| (Total Leng | th : 13.1 | -25.9-25.9 | 9-13.1 = 7 | 8.0) | | | | | | | | | | |
|-------------------------|-----------|-------------|------------|------|-----|----------|--------------------|--|-----------|--|--|--|--|--|
| | | | | | C | Concrete | Deck Inspection | | | | | | | |
| | | | | | L | _ast No | w Explanation of C | Condition | | | | | | |
| Wearing S | urface | | | | | | | | | | | | | |
| Polymer? | (Y/N) | | 1 | ٧ | | | | | | | | | | |
| ACP? (Y/N) | | | | | | | | | | | | | | |
| Chip Seal Coat? (Y/N) N | | | | | | | | | | | | | | |
| | | Туре | | | | | Year Installed | Avg. Total Thickness (mm) | Area (m²) | | | | | |
| ACP | | ACP | | | | | 1987 | 50 | 1185.6 | | | | | |
| Polymer Ra | ating (% | Area) | | | | | | | | | | | | |
| 9 | -7 | 6/5 | 4 | 3 | 2/1 | N/X | | | | | | | | |
| Last | | | | | | | | | | | | | | |
| Now | 0 | 0 | 0 | 0 | 0 | 100 | | | | | | | | |
| ACP Rating | | ea) | I | 1 | | | | | | | | | | |
| 9 | -7 | 6/5 | 4 | 3 | 2/1 | N/X | | | | | | | | |
| Last | | | | | | | Potholo in the sou | uthbound ramp lane in span 2 | | | | | | |
| Now | 0 | 90 | 9 | 1 | 0 | 0 | | utilboullu ramp lane in Span 2 | | | | | | |
| Chip Seal (| | | _ | 1 | 1 | | | | | | | | | |
| | -7 | 6/5 | 4 | 3 | 2/1 | N/X | | | | | | | | |
| Last | _ | | _ | | | | | | | | | | | |
| Now | 0 | 0 | 0 | 0 | 0 | 100 | — | | | | | | | |
| • | | oonded /L | | m²) | | X | | Thin layer of ACP ((0.5 - 1") on top of the original ACP wearing | | | | | | |
| ACP Tota | | | | | | 22 | | | | | | | | |
| | | asured De | • • • | | | N | - | vere mistakenly not taken. | | | | | | |
| | | ency (m/m | | | | 0. | | | | | | | | |
| Chip Sea | l Coat To | otal Lost A | rea (m²) | | | <u> </u> | | | | | | | | |
| Concrete C | Overlay | | | | | | | | | | | | | |

| | | | | | | Cor | ncrete De | ck Inspection | | | | | | | |
|---|----------------------|-------------------|------------|----------|------|-----|-----------|--|-------------------|----------------------------|--|--|--|--|--|
| | | | | | | Las | | Explanation | | | | | | | |
| (Area(r | m²) : 1185. 0 | 6) | · | | | | | <u> </u> | | | | | | | |
| (Year 0 | Constructed | d : 1967) | | | | | | | | | | | | | |
| (Year \ | Nidened:) | , | | | | | | | | | | | | | |
| (Thickr | ness(mm) : |) | | | | | | | | | | | | | |
| (Average Cylinder Strength(MPa) :) | | | | | | | | | | | | | | | |
| | - | Туре | | | | | | Size | Design Cover (mr | n) Spacing (mm) | | | | | |
| Long. Re | einforcing | | | | | | | | | | | | | | |
| | einforcing | | | | | | | | | | | | | | |
| Deck To | p Rating (| % Area) | | | | | | | · | · | | | | | |
| | 9-7 | 6/5 | 4 | 3 | 2/1 | | N/X | | | | | | | | |
| Last | | | | | | | | | | | | | | | |
| Now | 0 | 0 | 0 | 0 | 0 |) | 100 | | | | | | | | |
| Total Crack Length - Medium/Wide (m) | | | | | | | N | | | | | | | | |
| Total Scaled Area - Light (m²) | | | | | | | N | | | | | | | | |
| Total S | Scaled Area | a - Modera | te/Heavy/ | Severe (| m²) | | N | | | | | | | | |
| Total Scaled Area - Moderate/Heavy/Severe (m²) Delaminated Area (m²) | | | | | | | N | | | | | | | | |
| Spalled | d Area (m²) | | | | | | N | | | | | | | | |
| Patche | ed Area (m² |) | | | | | N | | | | | | | | |
| Averag | ge Measure | d Cover D | epth (mm | ı) | | | 96 | | | | | | | | |
| Standa | ard Deviation | on of Meas | sured Cov | er Depth | (mm) | | 13 | | | | | | | | |
| Deck Un | derside R | ating (% A | Area) | | | | | | | | | | | | |
| | 9-7 | 6/5 | 4 | 3 | 2/1 | | N/X | There is typical shoe plate cracking. There is typical chamfer cracking. Some cracks extend into the deck underside, and web cracks remain unchanged. There is staining around the deck drains | | | | | | | |
| Last | | | | | | | | | | | | | | | |
| Now | 0 | 100 | 0 | 0 | 0 |) | 0 | and weep tub | es. | ing around the dook draine | | | | | |
| Total S | Stained Are | a - Moder | ate (m²) | | | | 4 | | | | | | | | |
| Total S | Stained Are | a - Heavy | /Severe (n | N²) | | | 0 | | | | | | | | |
| Total C | Crack Leng | th - Mediu | m/Wide (n | n) | | | 1 | | | | | | | | |
| % of M | ledium/Wid | e Cracks | Stained | | | | 0 | | | | | | | | |
| Edge Ele | ements | | | | | | | | | | | | | | |
| Curbs? | ? (Y/N) | | ` | <u> </u> | | | | | | | | | | | |
| Parape | ets? (Y/N) | | 1 | 1 | | | | | | | | | | | |
| Mediar | ns? (Y/N) | | ` | <u> </u> | | | | | | | | | | | |
| | alks? (Y/N) | | 1 | 1 | | | | | | | | | | | |
| Curbs | | | | | | | | | | | | | | | |
| | CONCRE | | | | | | | | | | | | | | |
| | Length(m) | 156.0) | | | | | | | | | | | | | |
| | t(mm) : |) | | | | | | | | | | | | | |
| (Width | | | | | | | | | | | | | | | |
| | ge Cylinde | | (MPa) : |) | | | | | | | | | | | |
| Reinforce | ement Typ | е | | | | Siz | е | | Design Cover (mm) | Spacing (mm) | | | | | |

| Concrete Dack Inspection | | | | | | | | | | | | | | | | | |
|--|---------------------|------------------|-----------|------|----------|---------|------|-------|-------|---|-----------------|-----------|--------------|--|--|--|--|
| | | | | | | | Las | st N | low | Explanation | of Condition | | | | | | |
| Curb Ra | ating (% Le | ength) | | | | | | | | | | | | | | | |
| | 9-7 | 6/5 | 4 | 3 | | 2/1 | | N/X | | | | | | | | | |
| Last | | | | | | | | | | | | | | | | | |
| Now | 70 | 30 | 0 | | 0 | 0 | | (| 0 | | | | | | | | |
| Total 0 | Crack Leng | ıth - Mediu | ım/Wide (| m) | | | | | 21 | Transverse cracking. | | | | | | | |
| Total S | Scaled Len | gth - Light | (m) | | | | | | 0 | | | | | | | | |
| Total S | Scaled Len | gth - Mode | erate/Hea | vy/S | evere (| (m) | | | 0 | | | | | | | | |
| Total Scaled Length - Moderate/Heavy/Severe (m) Delaminated Length (m) Spalled Length (m) Patched Length (m) Average Measured Cover Depth (mm) Standard Deviation of Measured Cover Depth (mm) Median (Type: Curb - CONCRETE) (Total Length(m): 78.0) (Height(mm): (Width(mm): (Average Cylinder Strength(MPa): Reinforcement Type Siz | | | | | | | | | 0 | | | | | | | | |
| Total Scaled Length - Moderate/Heavy/Severe (m) Delaminated Length (m) Spalled Length (m) Patched Length (m) Average Measured Cover Depth (mm) Standard Deviation of Measured Cover Depth (mm) Median (Type: Curb - CONCRETE) (Total Length(m): 78.0) (Height(mm):) (Width(mm):) (Average Cylinder Strength(MPa):) Reinforcement Type Siz Median Rating (% Length) 9-7 6/5 4 3 2/1 Last Now 0 100 0 0 0 | | | | | | | | | 0 | | | | | | | | |
| Total Scaled Length - Light (m) Total Scaled Length - Moderate/Heavy/Severe (m) Delaminated Length (m) Spalled Length (m) Average Measured Cover Depth (mm) Standard Deviation of Measured Cover Depth (mm) Median (Type: Curb - CONCRETE) (Total Length(m): 78.0) (Height(mm):) (Width(mm):) (Average Cylinder Strength(MPa):) Reinforcement Type Si Median Rating (% Length) 9-7 6/5 4 3 2/1 Last Now 0 100 0 0 0 Total Crack Length - Medium/Wide (m) Total Scaled Area - Light (m²) Total Scaled Area - Moderate/Heavy/Severe (m²) Delaminated Area (m²) | | | | | | | | | 0 | | | | | | | | |
| Now 70 30 0 0 0 0 | | | | | | | | | 101 | | | | | | | | |
| Patched Length (m) Average Measured Cover Depth (mm) Standard Deviation of Measured Cover Depth (mm) Median (Type: Curb - CONCRETE) (Total Length(m): 78.0) (Height(mm): (Width(mm): (Average Cylinder Strength(MPa): Reinforcement Type Median Rating (% Length) 9-7 6/5 4 3 2/1 Last Now 0 100 0 0 0 | | | | | | | | | 12 | | | | | | | | |
| Total Scaled Length - Light (m) Total Scaled Length - Moderate/Heavy/Severe (m) Delaminated Length (m) Spalled Length (m) Patched Length (m) Average Measured Cover Depth (mm) Standard Deviation of Measured Cover Depth (mm) Median (Type : Curb - CONCRETE) (Total Length(m) : 78.0) (Height(mm) :) (Width(mm) :) (Average Cylinder Strength(MPa) :) Reinforcement Type Median Rating (% Length) 9-7 6/5 4 3 2/1 Last Now 0 100 0 0 0 Total Crack Length - Medium/Wide (m) Total Scaled Area - Light (m²) Total Scaled Area - Moderate/Heavy/Severe (m²) Delaminated Area (m²) Spalled Area (m²) Patched Area (m²) Average Measured Cover Depth (mm) Standard Deviation of Measured Cover Depth (mm) Deck Joints | | | | | | | | | | - | | | | | | | |
| (Type | : Curb - C | ONCRETE | ≣) | | | | | | | | | | | | | | |
| (Total | Length(m) | : 78.0) | | | | | | | | | | | | | | | |
| (Heigh | nt(mm) : |) | | | | | | | | | | | | | | | |
| | • |) | | | | | | | | | | | | | | | |
| <u> </u> | | r Strength | (MPa) : |) | | | | | | | | | | | | | |
| | | | , | | | | Size | е | | | Design Cover (m | ım) | Spacing (mm) | | | | |
| | | | | | | | | | | | , | | | | | | |
| Median | Rating (% | Length) | | | | | | | | | | | | | | | |
| | 9-7 | 6/5 | 4 | 3 | | 2/1 | | N/X | | | | | | | | | |
| Last | | | | | | | | | | | | | | | | | |
| Now | 0 | 100 | 0 | | 0 | 0 | | (| 0 | | | | | | | | |
| Section Sect | | | | | | | | | | | | | | | | | |
| Now 0 100 0 0 0 Total Crack Length - Medium/Wide (m) Total Scaled Area - Light (m²) Total Scaled Area - Moderate/Heavy/Severe (m²) | | | | | | | | | 0 | | | | | | | | |
| Total Crack Length - Medium/Wide (m) Total Scaled Area - Light (m²) Total Scaled Area - Moderate/Heavy/Severe (m²) | | | | | | | | 0 | | | | | | | | | |
| Total Crack Length - Medium/Wide (m) Total Scaled Area - Light (m²) Total Scaled Area - Moderate/Heavy/Severe (m²) Delaminated Area (m²) | | | | | | | | | 0 | | | | | | | | |
| Total Scaled Area - Moderate/Heavy/Severe (m²) Delaminated Area (m²) Spalled Area (m²) | | | | | | | | | 0 | | | | | | | | |
| Delaminated Area (m²) Spalled Area (m²) | | | | | | | | | 0 | | | | | | | | |
| Averag | ge Measure | ed Cover [| Depth (mr | n) | | | | | N | Median cover measurements are not required. | | | | | | | |
| | | | | | Depth (i | mm) | | | N | | | | | | | | |
| Deck Jo | oints | | | | | | | | | | | | | | | | |
| (Type: | ARMOURE | D GLAND | (WABO | UNE | DER FI | NGER | OR | SLII | DING | PLATES)) | | | | | | | |
| (Numb | per of Joints | s : 2) | | | | | | | | | | | | | | | |
| (Expar | nsion / Fixe | ed? : EXP | ANSION) | | | | | | | | | | | | | | |
| (Locat | tion : A1, A | 2) | | | | | | | | | | | | | | | |
| % Insp | pected | | | | | | | | 100 | | | | | | | | |
| | | | | | | | | | 0 | | | | | | | | |
| % Joir | nt Length L | eaks | | | | | | | 0 | | | | | | | | |
| | | | ating | | | | | | 6 | | | | | | | | |
| | | | | | | | | | 6 | | | | | | | | |
| | | | | | | | | | 7 | | | | | | | | |
| | | 9 | | | | | | С | SE T | esting | | | | | | | |
| Testing Date 25-Jul-2012 | | | | | | | | | | | us Testing Date | 07-Jun-20 | 007 | | | | |
| | | | | | | | | | | - | | | | | | | |
| Tempe | | 16 | | | | | | | | | | | | | | | |
| | | | | Suni | ny | | | | | | | | | | | | |
| Equipm | ent Inform | ation | | | | | | | | | | | | | | | |
| | quipment I | | Model | Core | ехсо С | DL - 20 | 00 E | A/51 | 2 | | | | | | | | |
| Electri Type | ical Ground | Location | and | 1DJ | , south | abutm | nent | alon | g the | median. | | | | | | | |

| | | | | CSE Te | esting | | | | | | | | | |
|-----------------|-----------------------------------|-----------------------------------|------------|------------------------------------|-------------------------|--------|--------|--------------------------|-------------------------------|--|--|--|--|--|
| Measure | ement Location | s Informatio | n | | | | | | | | | | | |
| Origin 1 | for Data | | south east | | | | | | | | | | | |
| | | | Number | | Length of Eacl | h (m) | Length | Length of Last (m) | | | | | | |
| X Increi | ments (Length) | | 70 | | 1.219 | | 1.200 | | | | | | | |
| Y Increi | ncrements (Width) 15 1.219 0.600 | | | | | | | | | | | | | |
| CSE Res | sults | | | | | | | | | | | | | |
| Span N | Numbers | | 1,2,3,4 | | | | | | | | | | | |
| Span T | уре | | FC | | | | | | | | | | | |
| Wearin | g Surface | | ACP | | | | | | | | | | | |
| Testing Year | % Deck Area 0 to -0.1 V | % Deck Are < -0.1 to -0.2 V | | % Deck Area < -0.3 to -0.4 V | % Deck Area < -0.4 V | | | Avg. Curb Reading (V) | Stnd. Dev. Curb Reading | | | | | |
| 2012 | 28.4 | 40.6 | 27.9 | 3.0 | 0.1 | -0.158 | 0.079 | -0.121 | 0.080 | | | | | |
| 2007 | 21.0 | 57.0 | 18.0 | 3.0 | 0.0 | -0.157 | 0.076 | -0.109 | 0.073 | | | | | |
| 2002 | 11.0 | 66.0 | 21.0 | 2.0 | 0.0 | -0.164 | 0.057 | -0.124 | 0.075 | | | | | |
| | diction Model O nab Start Year | ptimum 5 | 2019 | | | | | | | | | | | |
| Commen | nts | | | | | | | | | | | | | |

| | | | | Maintenance Re | comme | endatio | ns | | | | | | |
|--|-------------------------|------------|-------------------|---------------------|--------------------------------|--|----------------|------------|------------|------------|--------------|----|--|
| Inspector Recommendations | Year Inspector Comments | | | | | De | partment Comme | Та | rget Year | Est. Cost | Cat # | | |
| SEAL CURBS | | | | | | | | | | | | | |
| PATCH DECK | | | | | | | | | | | | | |
| SEAL DECK | | | | | | | | | | | | | |
| OVERLAY DECK | | | | | | | | | | | | | |
| REPAIR/REPLACE DECK JOINTS | | | | | | | | | | | | | |
| WASHING | | | | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | | | | |
| CRACK REPAIRS/TREATMENT | | | | | | | | | | | | | |
| PATCH CURBS/PARPETS | | | | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | | | | |
| Structural Condition Rating (%) | 50.0 | | Sufficiency | Rating (%) | 5 | 6.2 | E | st Repl Ye | ar | | 2025 | | |
| Level 1 Insp Date 02-Dec-2 | 2011 | Next Lev | el 1 Insp Date | | 02-Sep | o-2013 | Current Leve | l 1 Insp C | /cle (Defa | ault) (Mon | ths) | 21 | |
| Special Comments for Next Insp | | | | | | | | | | | | | |
| Snooper? (Y/N) No L | ift? (Y/N) | | No | Traffic Control? (Y | ′/N) Y | 'es | Boat? (Y/N) | | No | Lado | der? (Y/N) | No | |
| Other Special Requirements Comments | | | | | | | | | | | | | |
| Previous Level 2 Inspector's Name | Jason Sa | aly | | | Previo | us Leve | l 2 Insp Date | 07-Jun- | 2007 | | | | |
| Next Level 2 Insp Date | 17-Sep-2 | 2016 | | | Discon | Discontinue Level 2 Insp? (Y/N) No | | | | | | | |
| Level 2 Insp Previously Completed | 7 | | | | | evel 2 Insp Cycle (Default) 48 Months) | | | | | | | |
| Detailed Report/Diagram? (Y/N) | Yes | | | | | | | | | | | | |
| Level 2 Insp Comments | Bearings | s 3,4, and | 9-13 at the north | abutment pads ar | e deteri | orated. | | | | | | | |
| Next Level 2 Inspection/Test | Concrete | e Deck Ins | sp? (Y/N) | Yes | CSE Testing? (Y/N) Yes Chlorid | | | | | hloride Te | sting? (Y/N) | No | |
| Department Reviewer Comments | | | | | | | | | | | | | |