2016 ROUTINE BRIDGE INSPECTION REPORT



BRIDGE # 62J06 LARPENTEUR AVE over PED PATH

DISTRICT: Metro COUNTY: Ramsey

CITY/TOWNSHIP: Falcon Heights

STATE: Minnesota

Date of Inspection: 08/20/2016 Equipment Used:

Owner: County Highway Agency

Inspected By: Bodelson, Dan

State Harrison Contraction of the state of t

Report Written By: Dan Bodelson Report Reviewed By: Nicklaus Fischer Final Report Date: 10/04/2016

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Minnesota Structure Inventory Report

| Bridge ID: 62J06 LARPENTEU | R AVE OVER PED PATH | Date: 10/04/2016 |
|---|--|--|
| GENERAL | ROADWAY | INSPECTION |
| Agency Br. No. | Bridge Match ID (TIS) 0 | Userkey 102 |
| District Metro | Roadway O/U Key Route On Structure | Unofficial Structurally Deficient N |
| Maint. Area Crew | Route Sys 04 - CSAH Number 30 | Unofficial Functionally Obsolete N |
| County 062 - Ramsey | Roadway Name or Description | Unofficial Sufficiency Rating 83.2 |
| City Falcon Heights | LARPENTEUR AVE | Routine Inspection Date 08/20/2016 |
| Township | Level of Service 1 - MAINLINE | Routine Inspection Frequency 48 |
| Desc. Loc. 0.26 MI W OF JCT CSAH 46 | Roadway Type 2 - 2-way traffic | Inspector Name CO Bridge |
| Sect., Twp., Range 20 - 029N - 23W | Control Section (TH Only) | Status A - Open |
| Latitude Deg 44 Min 59 Sec 30.07 | Reference Point 000+00.725 | NBI CONDITION RATINGS |
| Longitude Deg 93 Min 11 Sec 32.86 | Detour Length 1.0 mi | Deck N - Not Applicable |
| Custodian 02 - County Highway Agency | Lanes On 4 Under 0 | Unsound Deck % |
| Owner 02 - County Highway Agency | ADT 15600 Year 2007 | Superstructure N - Not Applicable |
| BMU Agreement | HCADT 0 ADTT 0 % | Substructure N - Not Applicable |
| Year Built 1999 | Functional Class 16 - Urban - Minor Arterial | Channel N - Not Applicable |
| MN Year Reconstructed | RDWY DIMENSIONS | Culvert 7 - Shrinkage cracks, light scal |
| FHWA Year Reconstructed | If Divided NB-EB SB-WB | NBI APPRAISAL RATINGS |
| MN Temporary Status | Roadway Width 39.60 ft. 33.00 ft. | Structure Evaluation 7 |
| Bridge Plan Location 3 - COUNTY | | Deck Geometry N |
| Date Opened to Traffic | | Underclearances N |
| On-Off System 1 - ON | Max. Vert. Clear. ft. ft. | Water Adequacy N - Not Applicable |
| Legislative District 66B | Horizontal Clear. ft. ft. | Approach Alignment 8 - Equal to present desirab |
| ABC Suitable | Lateral Clearance ft. ft. | SAFETY FEATURES |
| STRUCTURE | Appr. Surface Width 0.0 ft. | Bridge Railing N - NOT REQUIRED |
| Service On 1 - Highway | Bridge Roadway Width 0.0 ft. | GR Transition N - NOT REQUIRED |
| Service Under 3 - Pedestrian - bicycle | Median Width On Bridge 4.00 ft. | Appr. Guardrail 1 - MEETS STANDARDS |
| Main Span Type | MISC. BRIDGE DATA | GR Termini 1 - MEETS STANDARDS |
| 5 - Prestress or Precast 13 - Box Culvert | Structure Flared 0 - No flare | IN DEPTH INSP. |
| Main Span Detail | Parallel Structure N - No parallel structure | Y/N Freq Date |
| Appr. Span Type | Field Conn. ID | Frac. Critical N |
| | Abutment Foundation N - N/A | Underwater N |
| Appr. Span Detail | (Material/Type) N - N/A | Pinned Asbly. N |
| Skew 0 | Pier Foundation N - N/A | Spec. Feat. |
| Culvert Type PCST 108 | (Material/Type) N - N/A | WATERWAY |
| Barrel Length 96 ft. | Historic Status 5 - Not eligible | Drainage Area (sq. mi.) |
| Cantilever ID | PAINT | Waterway Opening sq. ft. |
| NUMBER OF SPANS | | Navigation Control N - Not applicable, no waterw |
| MAIN: 1 APPR: 0 TOTAL: 1 | Year Painted | Pier Protection |
| Main Span Length 10.0 ft. | Unsound Paint % | Nav. Clr. (ft.) Vert. ft. Horiz. ft |
| | Painted Area sq. ft. | Nav. Vert. Lift Bridge Clear. (ft.) |
| Deck Width (Out-to-Out) 0.0 ft. | Primer Type | MN Scour Code A - NON WATER' Year |
| Deck Material N - Not Applicable | Finish Type | CAPACITY RATINGS |
| Wear Surf Type 6 - Bituminous Wear Surf Install Year | BRIDGE SIGNS | Design Load 9 - HS 25 (OR GREATER) |
| Wear Course/Fill Depth 4.00 ft. | Posted Load 0 - Not Required | Operating Rating A - Assigned ratir 42.0 |
| • | Traffic 0 - Not Required | Inventory Rating A - Assigned ratir 25.0 |
| Deck Rebars N - Not Applicable (applies offi | Horizontal 0 - Not Required | Posting VEH: SEMI: DBL: |
| Deck Rebars Install Year | Vertical N - Not Applicable | Rating Date 07/08/2013 |
| | | Minnesota Permit Codes |
| Structure Area (Out-to-Out) 0 sq. ft. | | A: N - N/A |
| Structure Area (Out-to-Out)0sq. ft.Roadway Area (Curb-to-Curb)sq. ft. | | A. N-N/A |
| | | B : N - N/A |
| Roadway Area (Curb-to-Curb) sq. ft. | | |

Minnesota Structure Inventory Report

Bridge ID: 62J06 LARPENTEUR AVE over PED PATH

Date: 09/26/2016

| Bridge ID: 62306 | GENERAL+ | + R O A D W A Y + | +INSPECTION+ |
|----------------------------------|--|--|---|
| Agency Br. No. | Crew | Bridge Match ID (TIS) 0 | Userkey 102 |
| District | 05 Maint. Area | , | Structurally Deficient N |
| County | 062 - Ramsey | | Functionally Obsolete N |
| City | Falcon Heights | Route Sys 04 - CSAH Number 30 Roadway Name or Description | Sufficiency Rating 83.2 |
| - | Facon heights | LARPENTEUR AVE | Routine Inspection Date 08/20/2016 |
| Township Desc. Loc. | | | |
| | 0.26 MI W OF JCT CSAH 46 | | |
| Sect., Twp., Range Latitude | 20 - 029N - 23W 44 • 59 ' 30.07 '' | | Inspector Name Bodelson, Dan |
| | 93 • 11 · 32.86 ·· | Control Section (TH Only) | Status A - Open |
| Longitude | | Reference Point 000+00.725 Detour Lenath 1.0 | +NBI CONDITION RATINGS+ |
| Custodian | 02 - County Highway Agency 02 - County Highway Agency | · · · · · · · · · · · · · · · · · · · | Deck N Unsound |
| Owner | 02 - County Highway Agency | | Superstructure N Deck % |
| BMU Agreement | 1000 | | Substructure N |
| Year Built | 1999 | HCADT ADTT % Functional Class 16 - Urban - Minor Arterial | Channel N |
| MN Year Reconstruc | | Functional Class 16 - Urban - Minor Arterial | Culvert 7 |
| FHWA Year Reconst | | | |
| MN Temporary Statu | | +RDWY DIMENSIONS+ | +NBI APPRAISAL RATINGS+ |
| Bridge Plan Locatio | | If Divided NB-EB SB-WB | Structure Evaluation 7 |
| Date Opened to Trat | | Roadway Width 39.60 ft. 33.00 ft. | Deck Geometry N |
| On - Off System | | Vertical Clearance ft. ft. | Underclearances N |
| Legislative District | 66B | | Waterway Adequacy N |
| Potential ABC | 2 - N/A | Max. Vert. Clear. ft. ft. | Approach Alignment 8 |
| + \$ | STRUCTURE+ | Horizontal Clear. ft. ft. Lateral Clearance ft. ft. | |
| Service On | 1 - Highway | Appr. Surface Width 0.0 ft. | +SAFETY FEATURES+ |
| Service Under | 3 - Pedestrian - bicycle | Bridge Roadway Width 0.0 ft. | Bridge Railing N - NOT REQUIRED |
| Main Span Type | 5 - Prestress or Precast | Median Width On Bridge 4.00 ft. | GR Transition N - NOT REQUIRED |
| Main Span Design | 13 - Box Culvert | | Appr. Guardrail 1 - MEETS STANDARDS |
| Main Span Design | 13 - Box Cuiven | +MISC. BRIDGE DATA+ | GR Termini 1 - MEETS STANDARDS |
| Appr. Span Type | | Structure Flared 0 - No flare | |
| Appr. Span Design | | Parallel Structure N - No parallel structure | +IN DEPTH INSP.+ |
| Appr. Span Detail | | Field Conn. ID | Y/N Freq Date |
| Skew | 0 | Abutment N - N/A | Frac. Critical N |
| Culvert Type | PCST 108 | Foundation NL NI/A | Underwater N |
| Barrel Length | 96 | (Material/Type) | Pinned Asbly. N |
| Cantilever ID | 30 | Pier Foundation N - N/A | Spec. Feat. |
| Cantilever ID | | (Material/Type) N - N/A | Spec. reat. |
| Ν | mbor of Sucre | | + W A T E R W A Y + |
| | mber of Spans | Historic Status 5 - Not eligible | |
| | PR: 0 TOTAL: | | Drainage Area (sq. mi.) |
| Main Span Length | 10.0 ft. | + P A I N T + | Waterway Opening (sf.) |
| Structure Length | 11.3 ft. | Marso Delate d | Navigation Control N - Not applicable, no |
| Deck Width (Out-to- | , | Year Painted | Pier Protection |
| Deck Material | N - Not Applicable | Unsound Paint % | Nav. Clr. (ft.) Vert. 0.0 Horiz. 0.0 |
| Wear Surf Type | 6 - Bituminous | Painted Area sq. ft. | Nav. Vert. Lift Bridge Clear. (ft.) |
| Wear Surf Install Ye | | Primer Type | MN Scour Code A - NON Year |
| Wear Course/Fill De | | Finish Type | +CAPACITY RATINGS+ |
| Deck Membrane | N - Not Applicable (applies | | Design Load 9 - HS 25 (OR GREATER) |
| Deck Rebars | N - Not Applicable (no deck) | +BRIDGE SIGNS+ | |
| Deck Rebars Install | | Bertalland C. N. D. J. J. | |
| Structure Area (Out- | , . | Posted Load 0 - Not Required | Inventory Rating 2 - HS TRUCK 25.0 |
| Roadway Area (Curl | | Traffic 0 - Not Required | Posting VEH: SEMI: DBL: |
| | DA. Lt 0.00 ft. 50B. Rt 0.00 ft. | Horizontal 0 - Not Required | Rating Date 07/08/2013 |
| Sidewalk Width 50 | | | |
| Sidewalk Width 50 Curb Height | Lt 0.67 ft. Rt 0.67 ft. Lt NN Rt NN | Vertical N - Not Applicable | Overweight Permit Codes |

MINNESOTA BRIDGE INSPECTION REPORT

BRIDGE 62 106 LARPENTEUR AVE OVER PED PATH

| BRIDO | GE 62J06 LA | RPENTEUR | AVE OV | ER PED PATH | | | ROUT | INE INSP | . DATE: | 08/20/20 |)16 |
|-------------|---|--|--|---|--------------------------------------|---------------------------------------|--------------|---------------|---------------|--------------|-------------|
| County: | Ramsey | | L | ocation: 0.26 MI | W OF JCT CSA | H 46 | Length: | | 11.3 ft. | | |
| City: | Falcon Heigh | its | F | Route: 04 - CSAH 3 | 30 Ref. Pt.: 0 | 00+00.725 | Deck Wid | lth: | 0.0 ft. | | |
| Townsh | nip: | | C | Control Section: | | | Rdwy. Ar | ea/ Pct. Ur | isnd: sq.ft | ./% | |
| Section | : 20 Towns | hip: 029N Ra | ange: 23W | Maint. Area: | | | Paint Are | a/ Pct. Uns | and: sq. ft | ./% | |
| Span T | ype: 1 - Concrete | | cludes | Local Agency Bridg | ge Nbr.: | | Culvert: | PCST | 108 | | |
| List: | frame culvert | s) | | | | | Postings: | | | | |
| NBI De | ck: N Super: | N Sub: I | N Chan: | N Culv: 7 | | | | | | | |
| | | | | Open, Post | ted, Closed: A | - Open | | | | | |
| Annroio | al Datinga Appro | ach 9 V | lotoriuou | | Code: A - NON | WATERWAY | | | | | |
| | al Ratings - Appro ed Bridge Signs - L | | Vaterway: | N uirod T | raffic: 0 - I | Not Required | | official Stru | , | | N |
| Require | u Bhuye Signs - L | • | | | | • | | official Fur | | | N |
| | | Horizntal: (| - Not Requ | ulled v | enical. IN- | Not Applicable | Un | official Suf | ficiency Ra | ting | 83.2 |
| ELEM NBR | ELEMENT | NAME | ENV | REPORT TYPE | INSP. DATE | QUANTITY | QTY CS 1 | QTY CS 2 | QTY CS 3 | QTY CS 4 | QTY CS 5 |
| 241 | Reinforced Conc | rete Culvert | 2 | Routine | 08/20/2016 | 95 LF | 0 | 95 | 0 | 0 | N/A |
| | | | | Routine | 08/20/2012 | 95 LF | 0 | 95 | 0 | 0 | N/A |
| | | [2008-2012] Tł [2012] There a | nere are mir re minor- m | minor deterioration- nor cracks @ joint #2 oderate spalls at the t of culverts. Bottom | 2 and #14. Minor NW corner nor | r spalls are pres th end of culver | t. | | | | |
| 388 | Culvert Headwall Other End Treatr | | 2 | Routine | 08/20/2016 | 2 EA | 0 | 1 | 1 | 0 | N/A |
| | | | | Routine | 08/20/2012 | 2 EA | 0 | 1 | 1 | 0 | N/A |
| | | [2003-2012] So [2012] Should are OK, but the | ome vertical replace the wall caps s here is 12 L | spalls on each side I cracking @ colored caps for modular blo should be replaced. F of deterioration of walls. | l grout above cu ock wall above c | lvert north end. ulvert at north e | | | | odular wal | l blocks |
| 964 | Critical Finding S | mart Flag | 2 | Routine | 08/20/2016 | 1 EA | 1 | 0 | N/A | N/A | N/A |
| | | | | Routine | 08/20/2012 | 1 EA | 1 | 0 | N/A | N/A | N/A |
| | | Notes: DO NC | T DELETE | THIS CRITICAL FIN | NDING SMART | FLAG. | | | | | |
| 982 | Approach Guard | rail | 2 | Routine | 08/20/2016 | 1 EA | 1 | 0 | 0 | N/A | N/A |
| 902 | | ran | 2 | | | 1 EA | 1 | 0 | 0 | N/A | N/A |
| | | | | Routine | 08/20/2012 | I LA | | 0 | 0 | IN/A | N/A |
| | | Notes: [2002-2 | 2012] Guard | drail system is in plac | ce and functionin | ng properly. | | | | | |
| 984 | Deck & Approach | n Drainage | 2 | Routine | 08/20/2016 | 1 EA | 0 | 1 | 0 | N/A | N/A |
| | | | | Routine | 08/20/2012 | 1 EA | 0 | 1 | 0 | N/A | N/A |
| | | culvert, which o | drains into c | e are some puddles o dry well is functioning f the culvert and dra | g properly. | | o a flat gra | de. The dra | ain is at the | e south er | d of the |
| 987 | Roadway over C | ulvert | 2 | Routine | 08/20/2016 | 1 EA | 0 | 1 | 0 | N/A | N/A |
| 301 | | | 2 | Routine | 08/20/2018 | 1 EA | 0 | 1 | 0 | N/A | N/A |
| | | | | Rouline | 00/20/2012 | | 0 | | U | IN/A | IN/A |
| | | | | und outside lane has | | | | oderate cr | ack) should | lor ± 12' (i | minor |

[2004-2012] Some cracking exists on the south side of Larpenteur Avenue- curb + 4' (moderate crack) shoulder + 12' (minor cracking) outside lane = 18 LF. [2001-2012] Concrete pavement is over culvert. No movement of roadway. Minor started cracking on south side at shoulder in 2003.

BRIDGE 62J06 LARPENTEUR AVE OVER PED PATH

ROUTINE INSP. DATE: 08/20/2016

| ELEM NBR | ELEMENT NAME | ENV | REPORT TYPE | INSP. DATE | QUANTITY | QTY CS 1 | QTY CS 2 | QTY CS 3 | QTY CS 4 | QTY CS 5 |
|-------------|--------------|-----|-------------|------------|----------|-------------|-------------|-------------|-------------|-------------|
| | | | | | | | | | | |

| General Notes: | [2016] Bridge Safety inspection by Dan Bodelson & Randy Bussiere 0n 8/20/2016. Bridge #62J06 was built in 1997. Concrete culvert is 8' wide X 10' high X 95 LF in length. [2012] Bridge Safety inspection by B. Wieman & D. Bodelson. There is a loose rail on chain link fence at the SW corner. [2008] Bridge inspection was conducted by B. Wieman 8/27/2008. |
|--------------------------------------|---|
| 58. Deck NBI: | Structure is a Pedestrian Tunnel. |
| 36A. Brdg Railings NBI: | Structure is a culvert w/ No bridge railing. |
| 36B. Transitions NBI: | Guardrail is over culver & no connected to culvert. |
| 36C. Appr Guardrail NBI: | Approach guardrail meets current standards. |
| 36D. Appr Guardrail Terminal NBI: | Guardrail terminations meet current standards. |
| 59. Superstructure NBI: | Structure is a Pedestrian Tunnel. |
| 60. Substructure NBI: | Structure is a Pedestrian Tunnel. |
| 61. Channel NBI: | Structure is a Pedestrian Tunnel - no water. |
| 62. Culvert NBI: | Concrete culvert has minor weathering cracking & leaching. |
| 71. Waterway Adeq NBI: | Structure is a Pedestrian Tunnel - no water. |
| 72. Appr Roadway Alignment NBI: | No speed reduction required. |
| Inventory Notes: | |

Dan Bodelson

Inspector's Signature

Nicklaus Fischer

Reviewer's Signature

MINNESOTA BRIDGE INSPECTION REPORT

10/04/2016

Inspector: CO Bridge

BRIDGE 62J06 LARPENTEUR AVE OVER PED PATH

| | r: Ramsey | Location: 0.26 MI | W OF JCT CSA | H 46 | Length: | | 11.3 ft. | | |
|-------------|---|--|--|--|---------------------------------|--|----------------------------------|--------------------------------|------------|
| City: | Falcon Heights | Route: 04 - CSAH | | 000+00.725 | Deck Wid | | 0.0 ft. | | |
| Townsh | - | Control Section: | | | | | isnd: sq. ft | ./% | |
| Section | | | | | - | | and: sq. ft | | |
| | Type: 1 - Concrete 19 - Culvert (includes | Local Agency Brid | lge Nbr.: | | Culvert: | PCST | • | | |
| ist: | frame culverts) | 0, | 0 | | Postings: | | | | |
| IBI De | eck: N Super: N Sub: N Cha | n: N Culv: 7 | | | - | | | | |
| | | Open, Pos | sted, Closed: A | - Open | | | | | |
| | | | Code: A - NON | WATERWAY | | | | | |
| ••• | sal Ratings - Approach: 8 Waterway: | | | | Un | official Stru | ucturally De | eficient | Ν |
| equire | ed Bridge Signs - Load Posting: 0 - Not Re | • | | Not Required | | | ctionally O | | |
| | Horizntal: 0 - Not Re | quirea | Vertical: N - | Not Applicable | Un | official Suf | ficiency Ra | ting | 83.2 |
| ELEM NBR | ELEMENT NAME | REPORT TYPE | INSP. DATE | QUANTITY | QTY CS 1 | QTY CS 2 | QTY CS 3 | QTY CS 4 | |
| 41 | Reinforced Concrete Culvert | Routine | 08/20/2016 | 95 LF | 0 | 95 | 0 | 0 | |
| | | Migrated Values | | 95 LF | 0 | 95 | 0 | 0 | |
| | Notes: [2012-2016] Culvert has minor [2008-2016] There are minor cracks @ [2012-2016] There are minor- moderat [2003-2016] No movement of culverts. | joint #2 and #14. Mir e spalls at the NW co | nor spalls are pre rner north end of | culvert. | | | | loose | |
| 00 | Critical Deficiencies or Safety Hazards | Routine | 08/20/2016 | 1 EA | 1 | 0 | 0 | 0 | |
| | | Migrated Values | | 1 EA | 1 | 0 | 0 | 0 | |
| | Notes: [2016] NO CRITICAL FINDING | S OBSERVED DURI | NG THE LAST II | NSPECTION. | | | | | |
| 70 | Culvert End Treatment | Routine | 08/20/2016 | 2 EA | 0 | 1 | 1 | 0 | |
| | | Migrated Values | | 2 EA | 0 | 1 | 1 | 0 | |
| | | | all above culvert | | | | | | |
| | [2001-2016] Minor spalls on each side. [2004-2016] Minor deterioration with so [2003-2016] Some vertical cracking @ [2012] Should replace the caps for mod wall caps should be replacedRepaire [2004-2012] There is 12 LF of deteriora Versa-lok block retaining walls. | ome efflorescence. colored grout above dular block wall above d in 2016 | culvert north end e culvert at north | end due to dete | erioration. | | ar wall bloc | ks are O | K, but th |
| '1 | [2004-2016] Minor deterioration with so [2003-2016] Some vertical cracking @ [2012] Should replace the caps for mod wall caps should be replacedRepaire [2004-2012] There is 12 LF of deteriora | ome efflorescence. colored grout above dular block wall above d in 2016 | culvert north end e culvert at north | end due to dete | erioration. | | ar wall bloc | ks are O | K, but the |
| 71 | [2004-2016] Minor deterioration with so [2003-2016] Some vertical cracking @ [2012] Should replace the caps for mod wall caps should be replacedRepaire [2004-2012] There is 12 LF of deteriora Versa-lok block retaining walls. | ome efflorescence. colored grout above dular block wall above ed in 2016 ation of north end cap | culvert north end e culvert at north blocks repaire | end due to dete d in 2016 | | | | ks are O | K, but th |
| 71 | [2004-2016] Minor deterioration with so [2003-2016] Some vertical cracking @ [2012] Should replace the caps for mod wall caps should be replacedRepaire [2004-2012] There is 12 LF of deteriora Versa-lok block retaining walls. | ome efflorescence. colored grout above dular block wall above d in 2016 ation of north end cap Routine Migrated Values link fence on south si spall - westbound is C ne has some minor- n he south side of Larport | culvert north end e culvert at north blocks repaire 08/20/2016 de. OK. noderate settlem enteur Avenue- c | end due to dete d in 2016 1 EA 1 EA 2 EA | 0 0 | The modul: 1 1 | 0 0 | 0 0 | |
| | [2004-2016] Minor deterioration with so [2003-2016] Some vertical cracking @ [2012] Should replace the caps for more wall caps should be replacedRepaire [2004-2012] There is 12 LF of deteriorat Versa-lok block retaining walls. Roadway Over Culvert Notes: [2016] damage to 4'high chain [2016] eastbound lanes have a 4' x 8" st [2012-2016] The eastbound outside lar [2004-2016] Some cracking exists on the lane = 18 LF. [2001-2012] Concrete pavement is over | ome efflorescence. colored grout above dular block wall above d in 2016 ation of north end cap Routine Migrated Values link fence on south si spall - westbound is C ne has some minor- n he south side of Larport | culvert north end e culvert at north blocks repaire 08/20/2016 de. OK. noderate settlem enteur Avenue- c | end due to dete d in 2016 1 EA 1 EA 2 EA | 0 0 | The modul: 1 1 | 0 0 | 0 0 | |
| | [2004-2016] Minor deterioration with so [2003-2016] Some vertical cracking @ [2012] Should replace the caps for mod wall caps should be replacedRepaire [2004-2012] There is 12 LF of deteriora Versa-lok block retaining walls. Roadway Over Culvert Notes: [2016] damage to 4'high chain [2016] eastbound lanes have a 4' x 8" s [2012-2016] The eastbound outside lar [2004-2016] Some cracking exists on t lane = 18 LF. [2001-2012] Concrete pavement is over Minor started cracking on south side at | ome efflorescence. colored grout above dular block wall above d ation of north end cap Routine Migrated Values link fence on south si spall - westbound is C ne has some minor- n he south side of Larpe er culvert. No moveme shoulder in 2003. | culvert north end e culvert at north blocks repaire 08/20/2016 de. 0K. noderate settlem enteur Avenue- c ent of roadway. | end due to dete d in 2016 1 EA 1 EA t EA ent. curb + 4' (moder | 0 0 rate crack) | The modul: 1 1 shoulder - | 0 0 + 12' (minor | 0 0 | |
| | [2004-2016] Minor deterioration with so [2003-2016] Some vertical cracking @ [2012] Should replace the caps for mod wall caps should be replacedRepaire [2004-2012] There is 12 LF of deteriora Versa-lok block retaining walls. Roadway Over Culvert Notes: [2016] damage to 4'high chain [2016] eastbound lanes have a 4' x 8" s [2012-2016] The eastbound outside lar [2004-2016] Some cracking exists on t lane = 18 LF. [2001-2012] Concrete pavement is over Minor started cracking on south side at | ome efflorescence. colored grout above dular block wall above dular block wall above dular block wall above dular block wall above and the south Routine Migrated Values spall - westbound is C ne has some minor- n he south side of Larpo er culvert. No moveme shoulder in 2003. Routine Migrated Values | culvert north end e culvert at north blocks repaire 08/20/2016 de. DK. noderate settlem enteur Avenue- c ent of roadway. 08/20/2016 | end due to dete d in 2016 1 EA 1 EA ent. curb + 4' (moder 1 EA | 0 0 rate crack) | The modula 1 1 shoulder + | 0 0 + 12' (minor 0 | 0 0 r cracking 0 | |
| 92 | [2004-2016] Minor deterioration with so [2003-2016] Some vertical cracking @ [2012] Should replace the caps for more wall caps should be replacedRepaire [2004-2012] There is 12 LF of deteriorat Versa-lok block retaining walls. Roadway Over Culvert Notes: [2016] damage to 4'high chain [2016] eastbound lanes have a 4' x 8" s [2012-2016] The eastbound outside lar [2004-2016] Some cracking exists on t lane = 18 LF. [2001-2012] Concrete pavement is over Minor started cracking on south side at Slopes & Slope Protection Notes: {2016} slopes are OK | ome efflorescence. colored grout above dular block wall above dular block wall above dular block wall above dular block wall above and the south Routine Migrated Values spall - westbound is C ne has some minor- n he south side of Larpo er culvert. No moveme shoulder in 2003. Routine Migrated Values | culvert north end e culvert at north blocks repaire 08/20/2016 de. DK. noderate settlem enteur Avenue- c ent of roadway. 08/20/2016 | end due to dete d in 2016 1 EA 1 EA ent. curb + 4' (moder 1 EA | 0 0 rate crack) | The modula 1 1 shoulder + | 0 0 + 12' (minor 0 | 0 0 r cracking 0 | |
| 92 | [2004-2016] Minor deterioration with so [2003-2016] Some vertical cracking @ [2012] Should replace the caps for more wall caps should be replacedRepaire [2004-2012] There is 12 LF of deteriorat Versa-lok block retaining walls. Roadway Over Culvert Notes: [2016] damage to 4'high chain [2016] eastbound lanes have a 4' x 8" s [2012-2016] The eastbound outside lar [2004-2016] Some cracking exists on t lane = 18 LF. [2001-2012] Concrete pavement is ove Minor started cracking on south side at Slopes & Slope Protection Notes: {2016} slopes are OK Use this element to rate the condition of | ome efflorescence. colored grout above dular block wall above atove Routine Migrated Values a some minor- n the south side of Larpo er culvert. No moveme a shoulder in 2003. Routine Migrated Values of slopes and slope pr | culvert north end e culvert at north blocks repaire 08/20/2016 de. DK. noderate settlementeur Avenue- co ent of roadway. 08/20/2016 | end due to dete d in 2016 1 EA 1 EA ent. surb + 4' (moder 1 EA 1 EA | 0 0 rate crack) 1 1 | The modul: 1 1 shoulder + 0 0 | 0 0 + 12' (minor 0 0 | 0 0 • cracking 0 0 | |

BRIDGE 62J06 LARPENTEUR AVE OVER PED PATH

| ELEM NBR | ELEM | IENT NAME | REPORT TYPE | INSP. DATE | QUANTITY | QTY CS 1 | QTY CS 2 | QTY CS 3 | QTY CS 4 |
|-------------|------------------------------------|---|--|--|--------------------------------------|--------------|-------------|-------------|--------------------|
| 894 | Deck & Approach | Drainage | Routine | 08/20/2016 | 1 EA | 0 | 1 | 0 | 0 |
| | | | Migrated Values | | 1 EA | 0 | 1 | 0 | 0 |
| | drains into dry | 2016] There are some p well is functioning prop south end of the culver | erly. | | to a flat grade. | The drain i | s at the so | uth end of | the culvert, which |
| 900 | Protected Specie | s | Routine | 08/20/2016 | 1 EA | 1 | 0 | 0 | 0 |
| | | | Migrated Values | | 1 EA | 1 | 0 | 0 | 0 |
| | | no species seen ent to track the presence | e of protected species | living on this stru | icture. | | | | |
| | General Notes: | .Bridge #62J06 was b [2012] Bridge Safety i | inspection by Dan Bod puilt in 1997. Concrete inspection by B. Wiema ion was conducted by I | culvert is 8' wide an & D. Bodelsoi | X 10' high X 95 n. There is a loc | 5 LF in leng | | ence at the | SW corner. |
| | 58. Deck NBI: | Structure is a Pedesti | rian Tunnel. | | | | | | |
| 36A. E | Brdg Railings NBI: | Structure is a culvert | w/ No bridge railing. | | | | | | |
| 36B | . Transitions NBI: | Guardrail is over culv | er & no connected to c | ulvert. | | | | | |
| 36C. Ap | opr Guardrail NBI: | Approach guardrail m | eets current standards | 5. | | | | | |
| 36 | D. Appr Guardrail Terminal NBI: | Guardrail termination | s meet current standar | ds. | | | | | |
| 59. Su | perstructure NBI: | Structure is a Pedestr | rian Tunnel. | | | | | | |
| 60. | Substructure NBI: | Structure is a Pedesti | ian Tunnel. | | | | | | |
| | 61. Channel NBI: | Structure is a Pedesti | ian Tunnel - no water. | | | | | | |
| | 62. Culvert NBI: | Concrete culvert has | minor weathering cracl | king & leaching. | | | | | |
| 71 \//2 | terway Adeq NBI: | Structure is a Pedestr | rian Tunnel - no water. | | | | | | |
| 71. vva | | | | | | | | | |
| | 2. Appr Roadway Alignment NBI: | No speed reduction re | equired. | | | | | | |

Dan Bodelson

Inspector's Signature

Nicklaus Fischer

Reviewer's Signature

Pictures



Photo 1 - InsideTunnelLookingNorth



Photo 2 - InsideTunnelLookingSouth

Pictures



Photo 3 - Larp.Ave.LookingWest



Photo 4 - SpallInNorthEndTunnel

Pictures



Photo 5 - TunnelLookingNorth