

Routine Maintenance Windsor Bridge

1994 - 2001

| Financial Year | Activity Description | Activity Quantity | Additional Comments | Paid to Date | Payment Still Required | Date Completed |
|----------------|---|-------------------|---|------------------|------------------------|----------------|
| 1994/1995 | REPLACE MISSING BOLTS IN FLOOD DROP RAIL | 1 | | 0.00 | 0.00 | 18/08/1994 |
| 1994/1995 | Paint handrail, traffic rail | 316 | REPAINT TRAFFIC BARRIERS & REPLACE REFLECTORS ON POSTS. | 9,140.00 | 0.00 | 30/06/1995 |
| 1995/1996 | REPAIR DECK JOINT WASH KERB CONCRETE | 25 | OVER PIERS 3,4,6,7. | 6,032.00 | 0.00 | 27/06/1995 |
| 1994/1995 | REPAIR SPALLED CONCRETE AT ABUTMENT | 13 | BOTH KERBS. | 867.50 | 0.00 | 30/06/1995 |
| 1995/1996 | REPAIR SPALLED CONCRETE AT ABUTMENT | 10 | ABUTMENT "A" SPALLING/DAMAGED CONCRETE. | 28,500.00 | 0.00 | 26/09/1995 |
| 1994/1995 | SERVICE FLOOD DROP FENCE ON FOOTWAY | 1 | LOWER FENCE & CHECK SECURITY OF HOLD DOWNS. GREASE ALL BOLTS. | 894.40 | 0.00 | 18/10/1994 |
| 1995/1996 | MINOR CORNER PATCH - FOOTWAY SLAB CORNERS | 1 | 5 OFF AS DIRECTED. | 1,306.40 | 0.00 | 19/10/1995 |
| 1994/1995 | CLEAN BRIDGE SCUPPERS | 7 | | 315.00 | 0.00 | 18/05/1995 |
| 1995/1996 | Other routine work Service flood drop rails | 1 | Grease bolts and align all hold down bolt holes in footway | 1,563.60 | 0.00 | 15/08/1995 |
| 1995/1996 | REPLACE DIAGONAL & HORIZONTAL BRACING REMOVE RUSTED BRACING BELOW WATER LEVEL | 1 | CONSTRUCT NEW BRACING SIMILAR TO PIERS 7,8,9. | 30,000.00 | 0.00 | 08/07/1996 |
| 1995/1996 | Other Routine Work | 1 | | 1,700.00 | 0.00 | 18/12/1995 |
| 1996/1997 | Other Routine Work | 1 | | 99.92 | 0.00 | 19/12/1996 |
| 1997/1998 | Other Routine Work | 1 | | 1,254.72 | 0.00 | 27/02/1998 |
| 1999/2000 | Paint Hand/Traffic Rail | 300 | HAVE YOU CONSIDERED THE REQUIREMENTS OF ROUTINE EMP FOR ACTIVITY 236910 | 0.00 | 5,512.85 | |
| 1999/2000 | Replace Concrete Element | 30 | HAVE YOU CONSIDERED THE REQUIREMENTS OF ROUTINE EMP FOR ACTIVITY 146430 | 0.00 | 22,154.00 | |
| 1999/2000 | Replace Bridge Guardrail | 2 | | 1,482.31 | -48.69 | 03/03/2000 |
| 2000/2001 | Other Routine Work | 1 | | 433.57 | 0.00 | 10/01/2001 |
| 2000/2001 | Other Routine Work | 1 | | 405.00 | 0.00 | 14/04/2001 |
| 2001/2002 | Other Routine Work | 1 | Replace walkway slabs with ply as design. | 0.00 | 39,500.00 | |
| 2001/2002 | Other Routine Work | 1 | Remove all spalling concrete from structure. AS DISCUSSED WITH D.M | 0.00 | 5,950.00 | |
| 2001/2002 | Other Routine Work | 1 | Attention Graham Fishburn, clean and repaint area as agreed on site. | 0.00 | 2,595.06 | |
| | | | Total | 83,994.42 | 75,663.21 | |

BN0415

Level 2 Inspection Reports

2002-2012



BRIDGE INSPECTION REPORT - Level 2 - PAGE 1 of 4 -- General Information

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR

Roadloc: 0000182,1020,A1,0.000 Longitude: 150.49359
 Directorate: 471 SYDNEY OPERATIONS DIRECTORATE Latitude: -33.36235
 Region: Overall Length: 143.25
 Zone: Z1 ZONE 1 Overall Width MIN:
 LGA: 091 HAWKESBURY Overall Width MAX:
 Inspected by: R.M.S. Construction Drawings No.: 0182.091.BC.0104
 Maintained by: R.M.S. 0182.091.BC.0104
 Complex or Unusual:

Inspection Equipment
Boat, Dinghy, Pontoon, Barge and boom
Comments
BOAT REQUIRED FOR INSPECTION OF PIERS AND DECK
SOFFIT.

Inspection Details
 Level of Inspection: Level 2 Inspection Date: 29-AUG-2002
 Inspection Type: Normal Proposed Date of Next Inspection: JAN-2003
 Temp (C): 20 Weather: Sunny
 Inspector's Given Name: MARK Surname: INSKIP
 Engineer's Given Name: Surname:

| Span From | Span To | Span Length (m) | Culvert Height (m) | Span Material | Span Type | Year Completed |
|-----------|---------|-----------------|--------------------|---------------|-----------|----------------|
| 1 | | 12.83 | | C | BEAM | 1922 |
| 2 | 3 | 13.35 | | C | BEAM | 1922 |
| 4 | 6 | 13.50 | | C | BEAM | 1922 |
| 7 | | 13.28 | | C | BEAM | 1922 |
| 8 | 10 | 13.41 | | C | BEAM | 1922 |
| 11 | | 9.78 | | C | BEAM | 1922 |

BRIDGE INSPECTION REPORT -Level 2- PAGE 2 of 4 -- Condition Rating of Elements

Bridge No.: 415 Bridge Name: INSKIP Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR

Inspection Date: 29-AUG-2002 Inspector's Given Name: MARK Surname: INSKIP

| Element Code | Element Description | Env. | Total Qty | Units | Est. Qty (or % of Total Qty) in Cond. State | | | | | Element Health Rating | Element Cond. Index | ECI Change |
|--------------|--|------|-----------|-------|---|-----|----|---------|------|-----------------------|---------------------|------------|
| | | | | | 1 | 2 | 3 | 4 | 5 | | | |
| CABW | Concrete-Abutment and Wingwalls | M | 180 | m2 | 0 | 0 | 3 | 0 | XXXX | FAIR | +98.9 | +0.0 |
| CDSL | Concrete-Deck Slab | M | 1,068 | m2 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +2.6 |
| CPHS | Concrete-Pier Headstock | M | 335 | m2 | 0 | 0 | 15 | 0 | XXXX | FAIR | +97.1 | +4.8 |
| CPIR | Concrete-Pier (excl. any Headstock or Piles) | M | 37 | m2 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +0.0 |
| CRBM | Concrete-Reinforced Beam | M | 2,330 | m2 | 40 | 0 | 20 | 0 | XXXX | FAIR | +98.9 | +1.1 |
| JNOS | Joint - No Seal | M | 78 | m | 0 | 0 | 0 | XXXXXXX | XXXX | AS-BUILT | +100.0 | +0.0 |
| LBGI | Steel(L)-Beam / Girder (Load Bearing) | M | 346 | m2 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +0.0 |
| LDBR | Steel(L)-Diaphragm / Bracing / Secondary Member | M | 154 | m2 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +0.0 |
| LPIR | Steel(L)-Pier (excl.any Piles & Secondary Members) | M | 328 | m2 | 128 | 0 | 0 | 0 | XXXX | GOOD | +87.1 | +0.0 |
| MAPP | Approach Carriageway | M | 2 | ea | 0 | 0 | 0 | XXXXXXX | XXXX | AS-BUILT | +100.0 | +0.0 |
| MGCL | General Cleaning | M | 11 | ea | 0 | 0 | 0 | XXXXXXX | XXXX | AS-BUILT | +100.0 | +33.0 |
| MWES | Wearing surface | M | 900 | m2 | 100 | 0 | 0 | XXXXXXX | XXXX | GOOD | +96.3 | +0.0 |
| MWVY | Waterway | M | 1 | ea | 0 | 0 | 0 | XXXXXXX | XXXX | AS-BUILT | +100.0 | +0.0 |
| RMET | Metal Railing | M | 316 | m | 0 | 316 | 0 | 0 | XXXX | GOOD | +67.0 | +34.0 |
| RMIS | Miscellaneous Railing including Guardfence | M | 160 | m | 0 | 0 | 0 | XXXXXXX | XXXX | AS-BUILT | +100.0 | +0.0 |

BRIDGE INSPECTION REPORT -Level 2- PAGE 3 of 4 -- Required Maintenance Actions

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST Description: HAWKESBURY RIVER WINDSOR

Inspection Date: 29-AUG-2002 Inspector's Given Name: MARK Surname: INSKIP

| Elem Code | Env | MMS Act.No. | MMS Activity Description | Inspector's Comments on Required Actions and Locations on Structure | Est. Qty | Units | Date for Completion | RMA ID | Work Order No | Prob Cons | Activity | Inaction Risk |
|-----------|-----|-------------|--------------------------------|---|----------|-------|---------------------|--------|---------------|-----------|----------|---------------|
| CPHS | M | 146410 | Clean Reo and Patch (Concrete) | failed areas throughout structure | 15 | m2 | JAN-2003 | 25297 | | | | MONITOR |
| CRBM | M | 146410 | Clean Reo and Patch (Concrete) | failed areas throughout structure | 20 | m2 | JAN-2003 | 25298 | | | | MONITOR |

Note: If a required maintenance action is not carried out, the codes for the

- (a) probability of safety or structural problem due to inaction : 1 - Rare
- (b) consequence of inaction : 1 - Insignificant 2 - Minor 3 - Moderate 4 - Major 5 - Catastrophic

BRIDGE INSPECTION REPORT -Level 2- PAGE 4 of 4 -- Inspection Comment

Bridge No.: 415 Bridge Name: Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR
Inspection Date: 29-AUG-2002 Inspector's Given Name: MARK Surname: INSKIP

Inspector's Comments: Had SBS remove all salling concrete because of danger to public. Engineering inspection of structure required. New plywood walkway installed in July to replace all concrete slabs.

Inspector's Signature: _____ Date: _____

Maintenance Manager's Comments: _____

Maintenance Manager's Signature: _____ Date: _____

Attachments : _____

BRIDGE INSPECTION REPORT - Level 2 - PAGE 1 of 4 -- General Information

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR

Roadloc: 0000182,1020,A1,0.000 Longitude: 150.49359
 Directorate: 471 SYDNEY OPERATIONS DIRECTORATE Latitude: -33.36235
 Region: Overall Length: 143.25
 Zone: Z1 ZONE 1 Overall Width MIN:
 LGA: 091 HAWKESBURY Overall Width MAX:
 Inspected by: R.M.S. Construction Drawings No.: 0182.091.BC.0104
 Maintained by: R.M.S. 0182.091.BC.0104
 Complex or Unusual:

Inspection Equipment _____ Comments _____
 Boat, Dinghy, Pontoon, Barge and boom BOAT REQUIRED FOR INSPECTION OF PIERS AND DECK
 SOFFIT.

Inspection Details _____
 Level of Inspection: Level 2 Inspection Date: 14-JAN-2003
 Inspection Type: Normal Proposed Date of Next Inspection: JAN-2005
 Temp (C): 20 Weather: Sunny
 Inspector's Given Name: MARK Surname: INSKIP
 Engineer's Given Name: _____ Surname: _____

| Span From | Span To | Span Length (m) | Culvert Height (m) | Span Material | Span Type | Year Completed |
|-----------|---------|-----------------|--------------------|---------------|-----------|----------------|
| 1 | | 12.83 | | C | BEAM | 1922 |
| 2 | 3 | 13.35 | | C | BEAM | 1922 |
| 4 | 6 | 13.50 | | C | BEAM | 1922 |
| 7 | | 13.28 | | C | BEAM | 1922 |
| 8 | 10 | 13.41 | | C | BEAM | 1922 |
| 11 | | 9.78 | | C | BEAM | 1922 |

BRIDGE INSPECTION REPORT - Level 2 - PAGE 2 of 4 -- Condition Rating of Elements

Bridge No.: 415 Bridge Name: WINDSOR Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR
 Inspection Date: 14-JAN-2003 Inspector's Given Name: MARK Surname: INSKIP

| Element Code | Element Description | Env. | Total Qty | Units | Est. Qty (or % of Total Qty) in Cond. State | | | | | Element Health Rating | Element Cond. Index | ECI Change |
|--------------|--|------|-----------|-------|---|-----|----|--------|------|-----------------------|---------------------|------------|
| | | | | | 1 | 2 | 3 | 4 | 5 | | | |
| CABW | Concrete-Abutment and Wingwalls | M | 183 | m2 | 0 | 0 | 3 | 0 | XXXX | FAIR | +98.9 | +0.0 |
| CDSL | Concrete-Deck Slab | M | 1,068 | m2 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +0.0 |
| CPHS | Concrete-Pier Headstock | M | 350 | m2 | 0 | 0 | 15 | 0 | XXXX | FAIR | +97.1 | +0.0 |
| CPIR | Concrete-Pier (excl. any Headstock or Piles) | M | 37 | m2 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +0.0 |
| CRBM | Concrete-Reinforced Beam | M | 2,390 | m2 | 0 | 40 | 20 | 0 | XXXX | FAIR | +98.9 | +0.0 |
| JNOS | Joint - No Seal | M | 78 | m | 0 | 0 | 0 | XXXXXX | XXXX | AS-BUILT | +100.0 | +0.0 |
| LBGI | Steel(L)-Beam / Girder (Load Bearing) | M | 346 | m2 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +0.0 |
| LDBR | Steel(L)-Diaphragm / Bracing / Secondary Member | M | 154 | m2 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +0.0 |
| LPTR | Steel(L)-Pier (excl.any Piles & Secondary Members) | M | 328 | m2 | 0 | 128 | 0 | 0 | XXXX | GOOD | +87.1 | +0.0 |
| MAPP | Approach Carriageway | M | 2 | ea | 0 | 2 | 0 | XXXXXX | XXXX | GOOD | +67.0 | -33.0 |
| MGCL | General Cleaning | M | 11 | ea | 0 | 0 | 0 | XXXXXX | XXXX | AS-BUILT | +100.0 | +0.0 |
| MWES | Wearing surface | M | 900 | m2 | 0 | 100 | 0 | XXXXXX | XXXX | GOOD | +96.3 | +0.0 |
| MWNY | Waterway | M | 1 | ea | 0 | 0 | 0 | XXXXXX | XXXX | AS-BUILT | +100.0 | +0.0 |
| RMET | Metal Railing | M | 316 | m | 0 | 316 | 0 | XXXX | XXXX | GOOD | +67.0 | +0.0 |
| RMIS | Miscellaneous Railing including Guardfence | M | 160 | m | 0 | 0 | 0 | XXXXXX | XXXX | AS-BUILT | +100.0 | +0.0 |

BRIDGE INSPECTION REPORT - Level 2 - PAGE 3 of 4 -- Required Maintenance Actions

Bridge No.: 415 Bridge Name: WINDSOR Description: ER ON BRIDGE ST HAWKESBURY RIVER

Inspection Date: 14-JAN-2003 Inspector's Given Name: MARK Surname: INSKIP

| Elem Code | Env | MMS | MMS | Act.No. | Activity Description | Inspector's Comments on Required Actions and Locations on Structure | Est. | Qty | Units | Date for Completion | RMA ID | Work Order No | Prob Cons Activity | (a) | (b) | Inaction Risk |
|-----------|-----|-----|-----|---------|-------------------------|--|------|-----|-------|---------------------|--------|---------------|--------------------|-----|-----|---------------|
| CPHS | M | | | 136410 | Clean Reo and Patch | spalling throughout structure. To be examined by level 3 inspection. | | 15 | m2 | JAN-2005 | 28740 | | MONITOR | | | |
| CRBM | M | | | 136410 | Clean Reo and Patch | spalling throughout structure. to be examined by level 3 inspection | | 60 | m2 | JAN-2005 | 28741 | | MONITOR | | | |
| MAPP | M | | | 136090 | Other Routine Work | Nth approach dropped. | | 1 | br | JAN-2005 | 28742 | | MONITOR | | | |
| RMET | M | | | 236910 | Paint Hand/Traffic Rail | Paintwork scrapped throughout structure | | 316 | m | JAN-2005 | 28743 | | MONITOR | | | |

Note: If a required maintenance action is not carried out, the codes for the
 (a) probability of safety or structural problem due to inaction : 1 - Rare 2 - Could 3 - Might 4 - Will 5 - Expected
 (b) consequence of inaction : 1 - Insignificant 2 - Minor 3 - Moderate 4 - Major 5 - Catastrophic

BRIDGE INSPECTION REPORT -Level 2- PAGE 4 of 4 -- Inspection Comment

Bridge No.: 415 Bridge Name: _____ Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR
Inspection Date: 14-JAN-2003 Inspector's Given Name: MARK Surname: INSKIP

Inspector's Comments: Asset bridge planner notified that level 3 inspection needed on this structure because of integrity concerns of concrete throughout structure.

Inspector's Signature: _____ Date: _____

Maintenance Manager's Comments:

Maintenance Manager's Signature: _____ Date: _____

Attachments :

BRIDGE INSPECTION REPORT - Level 2- PAGE 2 of 4 -- Condition Rating of Elements

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR
 Inspection Date: 20-JUL-2005 Inspector's Given Name: MARK Surname: INSKIP

| Element Code | Element Description | Env. | Total Qty | Units | Est. Qty (or % of Total Qty) in Cond. State | | | | | Element Health Rating | Element Cond. Index | ECI Change | |
|--------------|--|------|-----------|-------|---|-----|----|---------|------|-----------------------|---------------------|------------|--------|
| | | | | | 1 | 2 | 3 | 4 | 5 | | | | |
| CABW | Concrete-Abutment and Wingwalls | M | 183 | m2 | 180 | 3 | 0 | 0 | 0 | XXXX | GOOD | +99.5 | +0.6 |
| CDSL | Concrete-Deck Slab | M | 1,068 | m2 | 1,068 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +0.0 |
| CPHS | Concrete-Pier Headstock | M | 350 | m2 | 335 | 10 | 5 | 0 | 0 | XXXX | FAIR | +98.1 | +1.0 |
| CPJR | Concrete-Pier (excl. any Headstock or Piles) | M | 37 | m2 | 0 | 0 | 0 | 0 | 0 | XXXX | | +0.0 | -100.0 |
| CRBM | Concrete-Reinforced Beam | M | 2,390 | m2 | 2,330 | 0 | 40 | 20 | 0 | XXXX | POOR | +98.0 | -0.8 |
| JNOS | Joint - No Seal | M | 78 | m | 78 | 0 | 0 | XXXXXXX | XXXX | XXXX | AS-BUILT | +100.0 | +0.0 |
| LBGI | Steel(L)-Beam / Girder (Load Bearing) | M | 346 | m2 | 346 | 0 | 0 | 0 | 0 | | AS-BUILT | +100.0 | +0.0 |
| LDBR | Steel(L)-Diaphragm / Bracing / Secondary Member | M | 154 | m2 | 154 | 0 | 0 | 0 | 0 | | AS-BUILT | +100.0 | +0.0 |
| LPIR | Steel(L)-Pier (excl.any Piles & Secondary Members) | M | 328 | m2 | 328 | 0 | 0 | 0 | 0 | | AS-BUILT | +100.0 | +12.9 |
| MAPP | Approach Carriageway | M | 2 | ea | 0 | 2 | 0 | XXXXXXX | XXXX | XXXX | GOOD | +67.0 | +0.0 |
| MGCL | General Cleaning | M | 11 | ea | 11 | 0 | 0 | XXXXXXX | XXXX | XXXX | AS-BUILT | +100.0 | +0.0 |
| MWES | Wearing surface | M | 900 | m2 | 800 | 100 | 0 | XXXXXXX | XXXX | XXXX | GOOD | +96.3 | +0.0 |
| MWVY | Waterway | M | 1 | ea | 1 | 0 | 0 | XXXXXXX | XXXX | XXXX | AS-BUILT | +100.0 | +0.0 |
| RMET | Metal Railing | M | 316 | m | 0 | 316 | 0 | 0 | 0 | XXXX | GOOD | +67.0 | +0.0 |
| RMIS | Miscellaneous Railing including Guardfence | M | 160 | m | 160 | 0 | 0 | XXXXXXX | XXXX | XXXX | AS-BUILT | +100.0 | +0.0 |

BRIDGE INSPECTION REPORT - Level 1 of 4 -- General Information

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR

Roadloc: 0000182,1020,A1,0.000 Longitude: 150.49359
 Directorate: 471 SYDNEY OPERATIONS DIRECTORATE Latitude: -33.36235
 Region: Overall Length: 143.25
 Zone: Z1 ZONE 1 Overall Width MIN:
 LGA: 091 HAWKESBURY Overall Width MAX:
 Inspected by: R.M.S. Construction Drawings No.: 0182.091.BC.0104
 Maintained by: R.M.S. 0182.091.BC.0104
 Complex or Unusual:

Inspection Equipment _____
 Boat, Dindhy, Pontoon, Barge and boom
 Comments
 BOAT REQUIRED FOR INSPECTION OF PIERS AND DECK
 SOFFIT.

Inspection Details
 Level of Inspection: Level 2 Inspection Date: 20-JUL-2005
 Inspection Type: Normal Proposed Date of Next Inspection: JAN-2007
 Temp (C): 5 Weather: Sunny
 Inspector's Given Name: MARK Surname: INSKIP
 Engineer's Given Name: _____ Surname: _____

| Span From | Span To | Span Length (m) | Culvert Height (m) | Span Material | Span Type | Year Completed |
|-----------|---------|-----------------|--------------------|---------------|-----------|----------------|
| 1 | | 12.83 | | C | BEAM | 1922 |
| 2 | 3 | 13.35 | | C | BEAM | 1922 |
| 4 | 6 | 13.50 | | C | BEAM | 1922 |
| 7 | | 13.28 | | C | BEAM | 1922 |
| 8 | 10 | 13.41 | | C | BEAM | 1922 |
| 11 | | 9.78 | | C | BEAM | 1922 |

BRIDGE INSPECTION REPORT - Level 2 - PAGE 3 of 4 -- Required Maintenance Actions

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST Description: HAWKESBURY RIVER WINDSOR

Inspection Date: 20-JUL-2005 Inspector's Given Name: MARK Surname: INSKIP

| Elem Code | Env | MMS | MMS | Act.No. | Activity Description | Inspector's Comments on Required Actions and Locations on Structure | Est. | Qty | Units | Date for Completion | RMA ID | Work Order No | Prob Cons Activity | (a) | (b) | Inaction Risk | |
|-----------|-----|-----|-----|---------|----------------------|---|------|-----|-------|---------------------|--------|---------------|--------------------|-----|-----|---------------|--|
| | | | | | | | | | | | | | | | | | |

Note: If a required maintenance action is not carried out, the codes for the
 (a) probability of safety or structural problem due to inaction : 1 - Rare
 (b) consequence of inaction : 1 - Insignificant 2 - Minor 3 - Moderate 4 - Major 5 - Catastrophic

BRIDGE INSPECTION REPORT -Level 2- PAGE 4 of 4 -- Inspection Comment

Bridge No.: 415 Bridge Name: _____ Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR
Inspection Date: 20-JUL-2005 Inspector's Given Name: MARK Surname: INSKIP

Inspector's Comments: Level 3 inspection completed and report available at Asset Branch. Condition ratings carried over in this report from last inspection due to report listed above. RNI and Asset looking at options for this structure based on level 3 report.

Inspector's Signature: _____ Date: _____

Maintenance Manager's Comments:

Maintenance Manager's Signature: _____ Date: _____

Attachments :

BRIDGE INSPECTION REPORT -Level 2- PAGE 1 of 5 -- General Information

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR

Readloc: 0000182,1020,A1,0.000 Longitude: 150.49359
 Directorate: 471 SYDNEY OPERATIONS DIRECTORATE Latitude: -33.36235
 Region: Overall Length: 143.25
 Zone: Z1 ZONE 1 Overall Width MIN:
 IGA: 091 HAWKESBURY Overall Width MAX:
 Inspected by: R.M.S. Construction Drawings No.: 0182.091.BC.0104
 Maintained by: R.M.S. 0182.091.BC.0104
 Complex or Unusual:

Inspection Equipment
Boat, Dinghy, Pontoon, Barge and boom
Comments
BOAT REQUIRED FOR INSPECTION OF PIERS AND DECK
SOFFIT.

Inspection Details
 Level of Inspection: Level 2 Inspection Date: 01-JUN-2006
 Inspection Type: Underwater Proposed Date of Next Inspection: JUN-2010
 Temp (C): Weather:
 Inspector's Given Name: ANDREW LEAN Surname: GRAY DIVING
 Engineer's Given Name: Surname:

| Span From | Span To | Span Length (m) | Culvert Height (m) | Span Material | Span Type | Year Completed |
|-----------|---------|-----------------|--------------------|---------------|-----------|----------------|
| 1 | | 12.83 | | C | BEAM | 1922 |
| 2 | 3 | 13.35 | | C | BEAM | 1922 |
| 4 | 6 | 13.50 | | C | BEAM | 1922 |
| 7 | | 13.28 | | C | BEAM | 1922 |
| 8 | 10 | 13.41 | | C | BEAM | 1922 |
| 11 | | 9.78 | | C | BEAM | 1922 |

BRIDGE INSPECTION REPORT - Level 2- PAGE 2 of 5 -- Condition Rating of Elements

Bridge No.: 415 Bridge Name: WINDSOR
 Description: BR ON BRIDGE ST HAWKESBURY RIVER
 Inspector's Given Name: ANDREW LEAN Surname: GRAY DIVING
 Inspection Date: 01-JUN-2006

| Element Code | Element Description | Env. | Total Qty | Units | Est. Qty (or % of Total Qty) in Cond. State | | | | | Element Health Rating | Element Cond. Index | ECI Change |
|--------------|--|------|-----------|-------|---|---|---|--------|------|-----------------------|---------------------|------------|
| | | | | | 1 | 2 | 3 | 4 | 5 | | | |
| CABW | Concrete-Abutment and Wingwalls | M | 183 | m2 | 0 | 0 | 0 | 0 | XXXX | | +0.0 | |
| CDSL | Concrete-Deck Slab | M | 1,068 | m2 | 0 | 0 | 0 | 0 | XXXX | | +0.0 | |
| CPHS | Concrete-Pier Headstock | M | 350 | m2 | 0 | 0 | 0 | 0 | XXXX | | +0.0 | |
| CFIR | Concrete-Pier (excl. any Headstock or Piles) | M | 62 | m2 | 62 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | |
| CRBM | Concrete-Reinforced Beam | M | 2,390 | m2 | 0 | 0 | 0 | 0 | XXXX | | +0.0 | |
| JNOS | Joint - No Seal | M | 78 | m | 0 | 0 | 0 | XXXXXX | XXXX | | +0.0 | |
| LBGI | Steel(I)-Beam / Girder (Load Bearing) | M | 346 | m2 | 0 | 0 | 0 | 0 | | | +0.0 | |
| LDBR | Steel(I)-Diaphragm / Bracing / Secondary Member | M | 237 | m2 | 230 | 0 | 0 | 0 | | GOOD | +97.0 | |
| LFIL | Steel(I)-Pile | M | 279 | m2 | 0 | 0 | 0 | 0 | 2 | | +0.0 | |
| LFIR | Steel(I)-Pier (excl.any Piles & Secondary Members) | M | 328 | m2 | 0 | 0 | 0 | 0 | | | +0.0 | |
| MAPP | Approach Carriageway | M | 2 | ea | 0 | 0 | 0 | XXXXXX | XXXX | | +0.0 | |
| MGCL | General Cleaning | M | 11 | ea | 0 | 0 | 0 | XXXXXX | XXXX | | +0.0 | |
| MWES | Wearing surface | M | 900 | m2 | 0 | 0 | 0 | XXXXXX | XXXX | | +0.0 | |
| MWY | Waterway | M | 1 | ea | 1 | 0 | 0 | XXXXXX | XXXX | AS-BUILT | +100.0 | |
| RMET | Metal Railing | M | 316 | m | 0 | 0 | 0 | 0 | XXXX | | +0.0 | |
| RMIS | Miscellaneous Railing including Guardfence | M | 160 | m | 0 | 0 | 0 | XXXXXX | XXXX | | +0.0 | |

BRIDGE INSPECTION REPORT - Level 2 - PAGE 3 of 5 -- Required Maintenance Actions

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR

Inspection Date: 01-JUN-2006 Inspector's Given Name: ANDREW LEAN Surname: GRAY DIVING

| Elem Code | Env | MMS | MMS | Act.No. | Activity Description | Inspector's Comments on Required Actions and Locations on Structure | Est. | Qty | Units | Date for Completion | RMA ID | Prob Cons Activity | (a) | (b) | Inaction Risk | |
|-----------|-----|-----|-----|---------|----------------------|---|------|-----|-------|---------------------|--------|--------------------|-----|-----|---------------|--|
| | | | | | | | | | | | | | | | | |

Note: If a required maintenance action is not carried out, the codes for the

(a) probability of safety or structural problem due to inaction : 1 - Rare
 : 1 - Insignificant 2 - Minor 3 - Moderate 4 - Major 5 - Catastrophic
 2 - Could 3 - Might 4 - Will 5 - Expected

BRIDGE INSPECTION REPORT -Level 2- PAGE 4 of 5 -- Inspection Comment

Bridge No.: 415 Bridge Name: _____ Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR
Inspection Date: 01-JUN-2006 Inspector's Given Name: ANDREW LEAN Surname: GRAY DIVING

Inspector's Comments: Options for this structure are currently being considered by RNI. Report show large areas of graphatisation.

Inspector's Signature: _____ Date: _____

Maintenance Manager's Comments: Besides the options considered, inspections, monitoring and urgent maintenance works need to be carried out as usual to maintain the structure is safe for traffic.

Maintenance Manager's Signature: _____ Date: _____

- Attachments :
- B415 WINDSOR COND RATING.doc
- B415 WINDSOR COVER.DOC

BRIDGE INSPECTION REPORT - Level 2 - PAGE 5 of 5 -- Inspection Comment

Bridge No.: 415 Bridge Name: _____ Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR
Inspection Date: 01-JUN-2006 Inspector's Given Name: ANDREW LEAN Surname: GRAY DIVING

Attachments :

B415 WINDSOR NARRATIVE.DOC

BRIDGE INSPECTION REPORT -Level 2- PAGE 1 of 7 -- General Information

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST Description: HAWKESBURY RIVER WINDSOR

RoadLoc: 0000182,1020,A1,0,000 Longitude: 150.49359
 Directorate: 471 SYDNEY OPERATIONS DIRECTORATE Latitude: -33.36235
 Region: Overall Length: 143.25
 Zone: Z1 ZONE 1 Overall Width MIN:
 LGA: 091 HAWKESBURY Overall Width MAX:
 Inspected by: R.M.S. Construction Drawings No.: 0182.091.BC.0104
 Maintained by: R.M.S. 0182.091.BC.0104
 Complex or Unusual:

Inspection Equipment _____ Comments _____
 Boat, Dinghy, Pontoon, Barge and boom _____ BOAT REQUIRED FOR INSPECTION OF PIERS AND DECK
 _____ SOFFIT.

Inspection Details _____
 Level of Inspection: Level 2 Inspection Date: 08-JAN-2007
 Inspection Type: Normal Proposed Date of Next Inspection: JAN-2009
 Temp (C): 30 Weather: Cloudy
 Inspector's Given Name: MARK Surname: INSKIP
 Engineer's Given Name: SADA Surname: SADACHARAN

| Span From | Span To | Span Length (m) | Culvert Height (m) | Span Material | Span Type | Year Completed |
|-----------|---------|-----------------|--------------------|---------------|-----------|----------------|
| 1 | | 12.83 | | C | BEAM | 1922 |
| 2 | 3 | 13.35 | | C | BEAM | 1922 |
| 4 | 6 | 13.50 | | C | BEAM | 1922 |
| 7 | | 13.28 | | C | BEAM | 1922 |
| 8 | 10 | 13.41 | | C | BEAM | 1922 |
| 11 | | 9.78 | | C | BEAM | 1922 |

BRIDGE INSPECTION REPORT - Level 2- PAGE 2 of 7 -- Condition Rating of Elements

Bridge No.: 415 Bridge Name: INSKIP Inspector's Given Name: MARK Surname: INSKIP
 Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR
 Inspection Date: 08-JAN-2007

| Element Code | Element Description | Env. | Total Qty | Units | Est. Qty (or % of Total Qty) in Cond. State | | | | | Element Health Rating | Element Cond. Index | ECI Change |
|--------------|--|------|-----------|-------|---|-----|----|--------|------|-----------------------|---------------------|------------|
| | | | | | 1 | 2 | 3 | 4 | 5 | | | |
| CABW | Concrete-Abutment and Wingwalls | M | 183 | m2 | 175 | 5 | 3 | 0 | XXXX | FAIR | +98.0 | -1.5 |
| CDSL | Concrete-Deck Slab | M | 1,068 | m2 | 1,018 | 25 | 25 | 0 | XXXX | FAIR | +97.7 | -2.3 |
| CPHS | Concrete-Pier Headstock | M | 350 | m2 | 335 | 10 | 5 | 0 | XXXX | FAIR | +98.1 | +0.0 |
| CPFR | Concrete-Pier (excl. any Headstock or Piles) | M | 37 | m2 | 37 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +100.0 |
| CRBM | Concrete-Reinforced Beam | M | 2,390 | m2 | 2,300 | 20 | 30 | 40 | XXXX | POOR | +97.2 | -0.8 |
| JNOS | Joint - No Seal | M | 78 | m | 0 | 78 | 0 | XXXXXX | XXXX | GOOD | +67.0 | -33.0 |
| LBGI | Steel(L)-Beam / Girder (Load Bearing) | M | 346 | m2 | 0 | 346 | 0 | 0 | | FAIR | +67.0 | -33.0 |
| LDPR | Steel(L)-Diaphragm / Bracing / Secondary Member | M | 154 | m2 | 154 | 0 | 0 | 0 | | AS-BUILT | +100.0 | +0.0 |
| LPFR | Steel(L)-Pier (excl.any Piles & Secondary Members) | M | 328 | m2 | 328 | 0 | 0 | 0 | | AS-BUILT | +100.0 | +0.0 |
| MAPP | Approach Carriageway | M | 2 | ea | 0 | 2 | 0 | XXXXXX | XXXX | GOOD | +67.0 | +0.0 |
| MGCL | General Cleaning | M | 11 | ea | 11 | 0 | 0 | XXXXXX | XXXX | AS-BUILT | +100.0 | +0.0 |
| MWES | Wearing surface | M | 900 | m2 | 800 | 100 | 0 | XXXXXX | XXXX | GOOD | +96.3 | +0.0 |
| MWNY | Waterway | M | 1 | ea | 1 | 0 | 0 | XXXXXX | XXXX | AS-BUILT | +100.0 | +0.0 |
| RMET | Metal Railing | M | 316 | m | 0 | 300 | 8 | 8 | XXXX | GOOD | +64.4 | -2.6 |
| RMIS | Miscellaneous Railing including Guardfence | M | 160 | m | 160 | 0 | 0 | XXXXXX | XXXX | AS-BUILT | +100.0 | +0.0 |

BRIDGE INSPECTION REPORT - Level 2 - PAGE 3 of 7 -- Required Maintenance Actions

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST Description: HAWKESBURY RIVER WINDSOR

Inspection Date: 08-JAN-2007 Inspector's Given Name: MARK Surname: INSKIP

| Elem Code | Env | MMS | MMS | Act.No. | Activity Description | Inspector's Comments on Required Actions and Locations on Structure | Est. | Qty | Units | Date for Completion | RMA ID | Work Order No | Prob Cons Activity | (a) | (b) | Inaction Risk | |
|-----------|-----|-----|-----|---------|----------------------|---|------|-----|-------|---------------------|--------|---------------|--------------------|-----|-----|---------------|--|
| | | | | | | | | | | | | | | | | | |

Note: If a required maintenance action is not carried out, the codes for the
 (a) probability of safety or structural problem due to inaction : 1 - Rare
 (b) consequence of inaction : 1 - Insignificant 2 - Minor 3 - Moderate 4 - Major 5 - Catastrophic

BRIDGE INSPECTION REPORT - Level 2 - PAGE 4 of 7 -- Inspection Comment

Bridge No.: 415 Bridge Name: Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR

Inspection Date: 08-JAN-2007 Inspector's Given Name: MARK Surname: INSKIP

Inspector's Comments: Future options for this structure currently being considered by RNI. Condition ratings in this report are current but no actions are listed due to for mentioned consideration.

Inspector's Signature: _____ Date: _____

Maintenance Manager's Comments: Beside the options considered; inspections, monitoring and other routine maintenance works need to be carried out as usual to maintain the structure is safe for traffic.

Maintenance Manager's Signature: _____ Date: _____

Attachments :

BRIDGE INSPECTION REPORT -Level 2- PAGE 5 of 7 --

WINDSOR

HAWKESBURY RIVER

Description: BR ON BRIDGE ST

Bridge Name:

415

Bridge No.:



415_101 CRBM SPALLING.JPG

CRBM SPALLING

Inspection details: 08-JAN-2007 MIN (N) ; Concrete-Reinforced Beam ; MODERATE;

BRIDGE INSPECTION REPORT -Level 2- PAGE 6 of 7 --

WINDSOR

HAWKESBURY RIVER

Description: BR ON BRIDGE ST

Bridge Name:

415

Bridge No.:



415_102 RMET DAMAGE.JPG

RMET DAMAGE

Inspection details: 08-JAN-2007 MIN (N) ; Metal Railing; MODERATE;

BRIDGE INSPECTION REPORT - Level 2 - PAGE 7 of 7 - -

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR



415_103 CABW DAMAGE.JPG
CABW DAMAGE

Inspection details: 08-JAN-2007 MIN (N) ; Concrete-Abutment and Wingwalls; MODERATE;

BRIDGE INSPECTION REPORT -Level 2- PAGE 1 of 4 -- General Information

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST Description: HAWKESBURY RIVER WINDSOR

Roadloc: 0000182.1020.A1.0.000 Longitude: 150.49359
 Directorate: 471 SYDNEY OPERATIONS DIRECTORATE Latitude: -33.36235
 Region: Overall Length: 143.25
 Zone: Z1 ZONE 1 Overall Width MIN: _____
 LGA: 091 HAWKESBURY Overall Width MAX: _____
 Inspected by: R.M.S. Construction Drawings No.: 0182.091.BC.0104
 Maintained by: R.M.S. 0182.091.BC.0104
 Complex or Unusual: _____

Inspection Equipment _____
 Boat, Dinghy, Pontoon, Barge and boom
 Comments _____
 BOAT REQUIRED FOR INSPECTION OF PIERS AND DECK
 SOFFIT.

Inspection Details _____
 Level of Inspection: Level 2 Inspection Date: 04-JAN-2009
 Inspection Type: Normal Proposed Date of Next Inspection: JAN-2011
 Temp (C): 38 Weather: Sunny
 Inspector's Given Name: MARK Surname: INSKIP
 Engineer's Given Name: _____ Surname: _____

| Span From | Span To | Span Length (m) | Culvert Height (m) | Span Material | Span Type | Year Completed |
|-----------|---------|-----------------|--------------------|---------------|-----------|----------------|
| 1 | | 12.83 | | C | BEAM | 1922 |
| 2 | 3 | 13.35 | | C | BEAM | 1922 |
| 4 | 6 | 13.50 | | C | BEAM | 1922 |
| 7 | | 13.28 | | C | BEAM | 1922 |
| 8 | 10 | 13.41 | | C | BEAM | 1922 |
| 11 | | 9.78 | | C | BEAM | 1922 |

BRIDGE INSPECTION REPORT - Level 2- PAGE 2 of 4 -- Condition Rating of Elements

Bridge No.: 415 Bridge Name: INSKIP Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR
 Inspection Date: 04-JAN-2009 Inspector's Given Name: MARK Surname: INSKIP

| Element Code | Element Description | Env. | Total Qty | Units | Est. Qty (or % of Total Qty) in Cond. State | | | | | Element Health Rating | Element Cond. Index | RCI Change |
|--------------|--|------|-----------|-------|---|-----|----|----|-----|-----------------------|---------------------|------------|
| | | | | | 1 | 2 | 3 | 4 | 5 | | | |
| CABW | Concrete-Abutment and Wingwalls | M | 183 | m2 | 175 | 5 | 3 | 0 | XXX | FAIR | +98.0 | +0.0 |
| CDSL | Concrete-Deck Slab | M | 1,068 | m2 | 1,018 | 25 | 25 | 0 | XXX | FAIR | +97.7 | +0.0 |
| CPHS | Concrete-Pier Headstock | M | 350 | m2 | 335 | 10 | 5 | 0 | XXX | FAIR | +98.1 | +0.0 |
| CPTR | Concrete-Pier (excl. any Headstock or Piles) | M | 62 | m2 | 62 | 0 | 0 | 0 | XXX | AS-BUILT | +100.0 | +0.0 |
| CRBM | Concrete-Reinforced Beam | M | 2,390 | m2 | 2,300 | 20 | 20 | 50 | XXX | POOR | +97.1 | -0.1 |
| JNOS | Joint - No Seal | M | 78 | m | 0 | 78 | 0 | 0 | XXX | GOOD | +67.0 | +0.0 |
| MAPP | Approach Carriageway | M | 2 | ea | 0 | 2 | 0 | 0 | XXX | GOOD | +67.0 | +0.0 |
| MGCU | General Cleaning | M | 11 | ea | 11 | 0 | 0 | 0 | XXX | AS-BUILT | +100.0 | +0.0 |
| MWES | Wearing surface | M | 900 | m2 | 800 | 100 | 0 | 0 | XXX | GOOD | +96.3 | +0.0 |
| MWY | Waterway | M | 1 | ea | 1 | 0 | 0 | 0 | XXX | AS-BUILT | +100.0 | +0.0 |
| PBGI | Protective Coating - Beam / Girder (Load Bearing) | M | 346 | m2 | 0 | 346 | 0 | 0 | XXX | GOOD | +67.0 | +0.0 |
| PDBR | Protective Coating - Diaphragm/Bracing/Secondary Member | M | 237 | m2 | 237 | 0 | 0 | 0 | XXX | AS-BUILT | +100.0 | +0.0 |
| PPIL | Protective Coating - Pile (including steel cased concrete pile or caisson) | M | 607 | m2 | 0 | 607 | 0 | 0 | XXX | GOOD | +67.0 | +0.0 |
| RMET | Metal Railing | M | 316 | m | 0 | 300 | 8 | 8 | XXX | GOOD | +64.4 | +0.0 |
| RMIS | Miscellaneous Railing including Guardfence | M | 160 | m | 160 | 0 | 0 | 0 | XXX | AS-BUILT | +100.0 | +0.0 |
| SBGI | Steel - Beam / Girder (Load Bearing) | M | 346 | m2 | 0 | 346 | 0 | 0 | XXX | FAIR | +67.0 | +0.0 |
| SDBR | Steel - Diaphragm / Bracing / Secondary Member | M | 237 | m2 | 237 | 0 | 0 | 0 | XXX | AS-BUILT | +100.0 | +0.0 |
| SPIL | Steel - Pile | M | 607 | m2 | 0 | 607 | 0 | 0 | XXX | FAIR | +67.0 | +0.0 |

BRIDGE INSPECTION REPORT - Level 2 - PAGE 3 of 4 -- Required Maintenance Actions

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR

Inspection Date: 04-JAN-2009 Inspector's Given Name: MARK Surname: INSKIP

| Elem | Env | MMS | MMS | Act.No. | Activity Description | Inspector's Comments on Required Actions and Locations on Structure | Est. | Qty | Units | Date for Completion | RMA ID | Work Order No | Prob Cons | Activity | Inaction | Risk |
|------|-----|--------|------|---------------------------------|---|---|------|------|----------|---------------------|------------|---------------|-----------|----------|----------|------|
| CRBM | M | 700.00 | M700 | Other Bridge and Tunnel Repairs | Remove all spalling concrete within structure that could fall and injure public. No repair required due to bridge replacement in the near future. | | 1 | Each | JAN-2009 | 63285 | A/68374/05 | 4 | 3 | High | | |

Note: If a required maintenance action is not carried out, the codes for the
 (a) probability of safety or structural problem due to inaction : 1 - Rare
 (b) consequence of inaction : 1 - Insignificant 2 - Minor 3 - Moderate 4 - Major 5 - Catastrophic

BRIDGE INSPECTION REPORT - Level 2 - PAGE 4 of 4 -- Inspection Comment

Bridge No.: 415 Bridge Name: Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR
Inspection Date: 04-JAN-2009 Inspector's Given Name: MARK Surname: INSKIP

Inspector's Comments: Structure is programmed for replacement this year. No repairs of spalling have been programmed, but dangerous spalls will be removed to protect river uses from falling debris.

Inspector's Signature: _____ Date: _____

Maintenance Manager's Comments: _____

Maintenance Manager's Signature: _____ Date: _____

Attachments : _____

BRIDGE INSPECTION REPORT - Level 2 - PAGE 1 of 4 -- General Information

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR

Roadloc: 0000182.1020.A1.0.000 Longitude: 150.49359
 Directorate: 471 SYDNEY OPERATIONS DIRECTORATE Latitude: -33.36235
 Region: Overall Length: 143.25
 Zone: Z1 ZONE 1 Overall Width MIN:
 IGA: 091 HAWKESBURY Overall Width MAX:
 Inspected by: R.M.S. Construction Drawings No.: 0182.091.BC.0104
 Maintained by: R.M.S. 0182.091.BC.0104
 Complex or Unusual:

Inspection Equipment _____ Comments _____
 Boat, Dinghy, Pontoon, Barge and boom BOAT REQUIRED FOR INSPECTION OF PIERS AND DECK
SOFFIT.

Inspection Details
 Level of Inspection: Level 2 Inspection Date: 16-SEP-2009
 Inspection Type: Monitor Proposed Date of Next Inspection: JAN-2010
 Temp (C): 20 Weather: Cloudy
 Inspector's Given Name: MARK Surname: INSKIP
 Engineer's Given Name: _____ Surname: _____

| Span From | Span To | Span Length (m) | Culvert Height (m) | Span Material | Span Type | Year Completed |
|-----------|---------|-----------------|--------------------|---------------|-----------|----------------|
| 1 | | 12.83 | | C | BEAM | 1922 |
| 2 | 3 | 13.35 | | C | BEAM | 1922 |
| 4 | 6 | 13.50 | | C | BEAM | 1922 |
| 7 | | 13.28 | | C | BEAM | 1922 |
| 8 | 10 | 13.41 | | C | BEAM | 1922 |
| 11 | | 9.78 | | C | BEAM | 1922 |

BRIDGE INSPECTION REPORT - Level 2- PAGE 2 of 4 -- Condition Rating of Elements

Bridge No.: 415 Bridge Name: INSPECTOR'S GIVEN NAME: MARK Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR
 Inspection Date: 16-SEP-2009 Inspector's Given Name: MARK Surname: INSKIP

| Element Code | Element Description | Env. | Total Qty | Units | Est. Qty (or % of Total Qty) in Cond. State | | | | | Element Health Rating | Element Cond. Index | ECI Change |
|--------------|--|------|-----------|-------|---|---|---|---|---|-----------------------|---------------------|------------|
| | | | | | 1 | 2 | 3 | 4 | 5 | | | |
| CRBW | Concrete-Abutment and Wingwalls | M | 183 | m2 | 183 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 |
| CDSL | Concrete-Deck Slab | M | 1,068 | m2 | 1,068 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 |
| CPHS | Concrete-Pier Headstock | M | 350 | m2 | 350 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 |
| CPHR | Concrete-Pier (excl. any Headstock or Piles) | M | 62 | m2 | 62 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 |
| CRBM | Concrete-Reinforced Beam | M | 2,390 | m2 | 2,390 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 |
| JNOS | Joint - No Seal | M | 78 | m | 78 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 |
| MAPP | Approach Carriageway | M | 2 | ea | 2 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 |
| MGCL | General Cleaning | M | 11 | ea | 11 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 |
| MWES | Wearing surface | M | 900 | m2 | 900 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 |
| MWY | Waterway | M | 1 | ea | 1 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 |
| PBGI | Protective Coating - Beam / Girder (Load Bearing) | M | 346 | m2 | 346 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 |
| PDBR | Protective Coating - Diaphragm/Bracing/Secondary Member | M | 237 | m2 | 237 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 |
| PPIL | Protective Coating - Pile (including steel cased concrete pile or caisson) | M | 607 | m2 | 607 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 |
| RMET | Metal Railing | M | 316 | m | 316 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 |
| RMIS | Miscellaneous Railing including Guardfence | M | 160 | m | 160 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 |
| SBGI | Steel - Beam / Girder (Load Bearing) | M | 346 | m2 | 346 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 |
| SDBR | Steel - Diaphragm / Bracing / Secondary Member | M | 237 | m2 | 237 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 |
| SPTL | Steel - Pile | M | 607 | m2 | 607 | 0 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 |

BRIDGE INSPECTION REPORT - Level 2 - PAGE 3 of 4 -- Required Maintenance Actions

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST Description: HAWKESBURY RIVER WINDSOR

Inspection Date: 16-SEP-2009 Inspector's Given Name: MARK Surname: INSKIP

| Elem Code | Env | MMS | MMS | Act.No. | Activity Description | Inspector's Comments on Required Actions and Locations on Structure | Est. | Qty | Units | Date for Completion | RMA ID | Work Order No | Prob Cons Activity | (a) | (b) | Inaction Risk |
|-----------|-----|--------|--|---------|--|---|------|-----|-------|---------------------|--------|---------------|--------------------|-----|-----|---------------|
| RMET | M | 715.00 | M700 Railings / Traffic Barriers Repair, Minor | | REPAIR COLLISION DAMEGE TO RAILS ON NORTHEAST AND SOUTHWEST CORNERS OF STRUCTURE | | 10 | m | | SEP-2009 | 63286 | A/68374/05 | 5 | 4 | | Urgent |

Note: If a required maintenance action is not carried out, the codes for the

(a) probability of safety or structural problem due to inaction : 1 - Rare
 (b) consequence of inaction : 1 - Insignificant 2 - Minor 3 - Moderate 4 - Major 5 - Catastrophic

BRIDGE INSPECTION REPORT - Level 2 - PAGE 4 of 4 -- Inspection Comment

Bridge No.: 415 Bridge Name: _____ Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR
Inspection Date: 16-SEP-2009 Inspector's Given Name: MARK Surname: INSKIP

Inspector's Comments: THIS IS A DUMMY INSPECTION, SO URGENT REQUESTED REPAIRS FROM THE BMP CAN BE CARRIED OUT ON THE RMET ELEMENT

Inspector's Signature: _____ Date: _____

Maintenance Manager's Comments: _____

Maintenance Manager's Signature: _____ Date: _____

Attachments : _____

BRIDGE INSPECTION REPORT - Level 2 - PAGE 1 of 4 -- General Information

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST Description: HAWKESBURY RIVER WINDSOR

Roadloc: 0000182,1020,A1,0.000 Longitude: 150.49359
 Directorate: 471 SYDNEY OPERATIONS DIRECTORATE Latitude: -33.36235
 Region: Overall Length: 143.25
 Zone: Z1 ZONE 1 Overall Width MIN:
 LGA: 091 HAWKESBURY Overall Width MAX:
 Inspected by: R.M.S. Construction Drawings No.: 0182.091.BC.0104
 Maintained by: R.M.S. 0182.091.BC.0104
 Complex or Unusual:

Inspection Equipment _____
 Boat, Dinghy, Pontoon, Barge and boom
 Comments _____
 BOAT REQUIRED FOR INSPECTION OF PIERS AND DECK
 SOFFIT.

Inspection Details
 Level of Inspection: Level 2 Inspection Date: 14-JUL-2011
 Inspection Type: Normal Proposed Date of Next Inspection: JAN-2013
 Temp (C): 10 Weather: Sunny
 Inspector's Given Name: MARK Surname: INSKIP
 Engineer's Given Name: _____ Surname: _____

| Span From | Span To | Span Length (m) | Culvert Height (m) | Span Material | Span Type | Year Completed |
|-----------|---------|-----------------|--------------------|---------------|-----------|----------------|
| 1 | | 12.83 | | C | BEAM | 1922 |
| 2 | 3 | 13.35 | | C | BEAM | 1922 |
| 4 | 6 | 13.50 | | C | BEAM | 1922 |
| 7 | | 13.28 | | C | BEAM | 1922 |
| 8 | 10 | 13.41 | | C | BEAM | 1922 |
| 11 | | 9.78 | | C | BEAM | 1922 |

BRIDGE INSPECTION REPORT - Level 2 - PAGE 2 of 4 -- Condition Rating of Elements

Bridge No.: 415 Bridge Name: INSKIP Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR
 Inspection Date: 14-JUL-2011 Inspector's Given Name: MARK Surname: INSKIP

| Element Code | Element Description | Env. | Total Qty | Units | Est. Qty (or % of Total Qty) in Cond. State | | | | | Element Health Rating | Element Cond. Index | ECI Change |
|--------------|--|------|-----------|-------|---|-----|----|-----|------|-----------------------|---------------------|------------|
| | | | | | 1 | 2 | 3 | 4 | 5 | | | |
| CABW | Concrete-Abutment and Wingwalls | M | 183 | m2 | 175 | 5 | 3 | 0 | XXXX | FAIR | +98.0 | +0.0 |
| CDSL | Concrete-Deck Slab | M | 1,068 | m2 | 1,018 | 25 | 25 | 0 | XXXX | FAIR | +97.7 | +0.0 |
| CPHS | Concrete-Pier Headstock | M | 350 | m2 | 335 | 10 | 5 | 0 | XXXX | FAIR | +98.1 | +0.0 |
| CP1R | Concrete-Pier (excl. any Headstock or Piles) | M | 62 | m2 | 62 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +0.0 |
| CRBM | Concrete-Reinforced Beam | M | 2,390 | m2 | 2,300 | 20 | 20 | 50 | XXXX | POOR | +97.1 | +0.0 |
| JNOS | Joint - No Seal | M | 78 | m | 78 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +33.0 |
| MGCL | General Cleaning | M | 11 | ea | 11 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +0.0 |
| MWES | Wearing surface | M | 900 | m2 | 800 | 100 | 0 | 0 | XXXX | GOOD | +96.3 | +0.0 |
| MW1Y | Waterway | M | 1 | ea | 1 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +0.0 |
| PBGI | Protective Coating - Beam / Girder (Load Bearing) | M | 346 | m2 | 346 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +33.0 |
| PDBR | Protective Coating - Diaphragm/Bracing/Secondary Member | M | 237 | m2 | 237 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +0.0 |
| PPIL | Protective Coating - Pile (including steel cased concrete pile or caisson) | M | 607 | m2 | 328 | 0 | 0 | 279 | XXXX | GOOD | +54.0 | -13.0 |
| RMEI | Metal Railing | M | 316 | m | 316 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +35.6 |
| RMIS | Miscellaneous Railing including Guardfence | M | 160 | m | 160 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +0.0 |
| RPNT | Railing Paint Work | M | 316 | m | 0 | 300 | 16 | 0 | XXXX | GOOD | +65.3 | +0.0 |
| SBGI | Steel - Beam / Girder (Load Bearing) | M | 346 | m2 | 0 | 346 | 0 | 0 | XXXX | FAIR | +67.0 | +0.0 |
| SDBR | Steel - Diaphragm / Bracing / Secondary Member | M | 237 | m2 | 237 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +0.0 |
| SPIL | Steel - Pile | M | 406 | m2 | 406 | 0 | 0 | 0 | XXXX | AS-BUILT | +100.0 | +33.0 |
| USPL | Underwater SPIL - Steel Pile | M | 279 | m2 | 0 | 0 | 0 | 0 | XXXX | | +0.0 | |

BRIDGE INSPECTION REPORT -Level 2- PAGE 3 of 4 -- Required Maintenance Actions

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST Description: HAWKESBURY RIVER WINDSOR

Inspection Date: 14-JUL-2011 Inspector's Given Name: MARK Surname: INSKIP

| Elem Code | Env | MMS | MMS | Act.No. | Activity Description | Inspector's Comments on Required Actions and Locations on Structure | Est. Qty | Units | Date for Completion | RMA ID | Work Order No | Prob Cons Activity | (a) | (b) | Inaction Risk |
|-----------|-----|-----|-----|---------|----------------------|---|----------|-------|---------------------|--------|---------------|--------------------|-----|-----|---------------|
| | | | | | | | | | | | | | | | |

Note: If a required maintenance action is not carried out, the codes for the

(a) probability of safety or structural problem due to inaction : 1 - Rare
: 2 - Could 3 - Might 4 - Will 5 - Expected
(b) consequence of inaction : 1 - Insignificant 2 - Minor 3 - Moderate 4 - Major 5 - Catastrophic

BRIDGE INSPECTION REPORT - Level 2 - PAGE 4 of 4 -- Inspection Comment

Bridge No.: 415 Bridge Name: _____ Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR
Inspection Date: 14-JUL-2011 Inspector's Given Name: MARK Surname: INSKIP

Inspector's Comments: Structures Caissons have been inspected and cored by BB and divers in may, report and subsequent condition rating should be found in BIS. Monitoring system has since been install on centre 4 piers and 40 kms speed restriction in place due to finding of this inspection and core taken from caissons. Due to the extra push for replacement now, any RMA repairs to spalling HAVE NOT been listed.

Inspector's Signature: _____ Date: _____

Maintenance Manager's Comments: _____

Maintenance Manager's Signature: _____ Date: _____

Attachments : _____

BRIDGE INSPECTION REPORT -Level 2- PAGE 1 of 4 -- General Information

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR
 Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR

Roadloc: 0000182,1020,A1,0.000 Longitude: 150.49359
 Directorate: 471 SYDNEY OPERATIONS DIRECTORATE Latitude: -33.36235
 Region: Overall Length: 143.25
 Zone: Z1 ZONE 1 Overall Width MIN:
 LGA: 091 HAWKESBURY Overall Width MAX:
 Inspected by: R.M.S. Construction Drawings No.: 0182.091.BC.0104
 Maintained by: R.M.S. 0182.091.BC.0104
 Complex or Unusual:

Inspection Equipment _____
 Boat, Dinghy, Pontoon, Barge and boom
 Comments
BOAT REQUIRED FOR INSPECTION OF PIERS AND DECK
SOFFIT.

Inspection Details
 Level of Inspection: Level 2 Inspection Date: 13-SEP-2012
 Inspection Type: Normal Proposed Date of Next Inspection: JAN-2013
 Temp (C): 20 Weather: Cloudy
 Inspector's Given Name: MARK Surname: INSKIP
 Engineer's Given Name: _____ Surname: _____

| Span From | Span To | Span Length (m) | Culvert Height (m) | Span Material | Span Type | Year Completed |
|-----------|---------|-----------------|--------------------|---------------|-----------|----------------|
| 1 | | 12.83 | | C | BEAM | 1922 |
| 2 | 3 | 13.35 | | C | BEAM | 1922 |
| 4 | 6 | 13.50 | | C | BEAM | 1922 |
| 7 | | 13.28 | | C | BEAM | 1922 |
| 8 | 10 | 13.41 | | C | BEAM | 1922 |
| 11 | | 9.78 | | C | BEAM | 1922 |

BRIDGE INSPECTION REPORT - Level 2 - PAGE 2 of 4 -- Condition Rating of Elements

Bridge No.: 415 Bridge Name: INSKIP Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR

Inspection Date: 13-SEP-2012 Inspector's Given Name: MARK Surname: INSKIP

| Element Code | Element Description | Env. | Total Qty | Units | Est. Qty (or % of Total Qty) in Cond. State | | | | | Element Health Rating | Element Cond. Index | ECI Change |
|--------------|--|------|-----------|-------|---|---|---|---|------|-----------------------|---------------------|------------|
| | | | | | 1 | 2 | 3 | 4 | 5 | | | |
| CABW | Concrete-Abutment and Wingwalls | M | 183 | m2 | 0 | 0 | 0 | 0 | XXXX | +0.0 | -98.0 | |
| CDSL | Concrete-Deck Slab | M | 1,068 | m2 | 0 | 0 | 0 | 0 | XXXX | +0.0 | -97.7 | |
| CPHS | Concrete-Pier Headstock | M | 350 | m2 | 0 | 0 | 0 | 0 | XXXX | +0.0 | -98.1 | |
| CPIR | Concrete-Pier (excl. any Headstock or Piles) | M | 62 | m2 | 0 | 0 | 0 | 0 | XXXX | +0.0 | -100.0 | |
| CRBM | Concrete-Reinforced Beam | M | 2,390 | m2 | 0 | 0 | 0 | 0 | XXXX | +0.0 | -97.1 | |
| JNOS | Joint - No Seal | M | 78 | m | 0 | 0 | 0 | 0 | XXXX | +0.0 | -100.0 | |
| MATT | Miscellaneous Attachments | M | 1 | item | 0 | 0 | 0 | 0 | XXXX | +0.0 | | |
| MGCL | General Cleaning | M | 11 | ea | 0 | 0 | 0 | 0 | XXXX | +0.0 | -100.0 | |
| MWES | Wearing surface | M | 900 | m2 | 0 | 0 | 0 | 0 | XXXX | +0.0 | -96.3 | |
| MWY | Waterway | M | 1 | ea | 0 | 0 | 0 | 0 | XXXX | +0.0 | -100.0 | |
| PBGI | Protective Coating - Beam / Girder (Load Bearing) | M | 346 | m2 | 0 | 0 | 0 | 0 | XXXX | +0.0 | -100.0 | |
| PDBR | Protective Coating - Diaphragm/Bracing/Secondary Member | M | 237 | m2 | 0 | 0 | 0 | 0 | XXXX | +0.0 | -100.0 | |
| PPIL | Protective Coating - Pile (including steel cased concrete pile or caisson) | M | 695 | m2 | 0 | 0 | 0 | 0 | XXXX | +0.0 | -54.0 | |
| RMET | Metal Railing | M | 476 | m | 0 | 0 | 0 | 0 | XXXX | +0.0 | -100.0 | |
| RPNT | Railing Paint Work | M | 316 | m | 0 | 0 | 0 | 0 | XXXX | +0.0 | -65.3 | |
| SBGI | Steel - Beam / Girder (Load Bearing) | M | 346 | m2 | 0 | 0 | 0 | 0 | XXXX | +0.0 | -67.0 | |
| SDBR | Steel - Diaphragm / Bracing / Secondary Member | M | 237 | m2 | 0 | 0 | 0 | 0 | XXXX | +0.0 | -100.0 | |
| SPIL | Steel - Pile | M | 406 | m2 | 0 | 0 | 0 | 0 | XXXX | +0.0 | -100.0 | |
| USPL | Underwater SPIL - Steel Pile | M | 279 | m2 | 0 | 0 | 0 | 0 | XXXX | +0.0 | +0.0 | |

BRIDGE INSPECTION REPORT -Level 2- PAGE 3 of 4 -- Required Maintenance Actions

Bridge No.: 415 Bridge Name: BR ON BRIDGE ST Description: HAWKESBURY RIVER WINDSOR

Inspection Date: 13-SEP-2012 Inspector's Given Name: MARK Surname: INSKIP

| Elem Code | MMS | MMS | Act.No. | Activity Description | Inspector's Comments on Required Actions and Locations on Structure | Est. Qty | Units | Date for Completion | RMA ID | Work Order No | Prob Cons | Activity | (a) | (b) | Inaction Risk |
|-----------|-----|--------|---------|-----------------------------------|---|----------|-----------|---------------------|--------|---------------|-----------|----------|--------|-----|---------------|
| CDSL | M | 710.00 | M700 | Timber Element Maintenance, Minor | Repair walkway timber as identified on site | 1 | Structure | SEP-2012 | 88360 | A/68374/05 | 3 | 3 | Medium | | |

Note: If a required maintenance action is not carried out, the codes for the
 (a) probability of safety or structural problem due to inaction : 1 - Rare
 (b) consequence of inaction : 1 - Insignificant 2 - Minor 3 - Moderate 4 - Major 5 - Catastrophic

BRIDGE INSPECTION REPORT - Level 2 - PAGE 4 of 4 -- Inspection Comment

Bridge No.: 415 Bridge Name: _____ Description: BR ON BRIDGE ST HAWKESBURY RIVER WINDSOR
Inspection Date: 13-SEP-2012 Inspector's Given Name: MARK Surname: INSKIP

Inspector's Comments: Inspection create to have repairs done to walkway by SBS

Inspector's Signature: _____ Date: _____

Maintenance Manager's Comments: _____

Maintenance Manager's Signature: _____ Date: _____

Attachments : _____