

**MAYFIELD ROAD  
CLASS ENVIRONMENTAL ASSESSMENT AND PRELIMINARY DESIGN STUDY  
HEART LAKE ROAD TO AIRPORT ROAD**

## **APPENDIX F**

**Culvert Survey Information  
Region of Peel, May 2002**

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**Stantec**

# General Information for Structure 140890

Treatments

Treatment Details


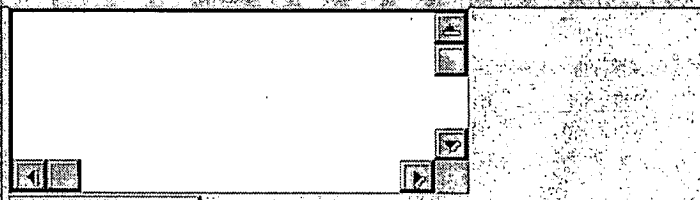
Structure Report

Photographs

Checklist/Inspection

Notes

Cells | Barriers | Watercourse |

Elevation:	
Bridge Name:	JACKSONS ARCH
Location:	Mayfield Road 0.9 km West of Airport Road, #7
Year Built:	1960
Bridge Type:	Reinforced Concrete Box Culvert - Open Footing
Crosses:	West Humber River Tributary
Direction of Traffic:	WE
Number of Lanes:	2
Number of Cells:	1
Number of Barriers:	2
Watercourse:	Yes
Inspector:	Cliff Leung
Date of Survey:	5/17/2002 3:26:06 PM
<b>Physical Testing</b>	
Inspector Comments:	No Comments
Enter Comments Here:	

Cells | Barriers | Watercourse |

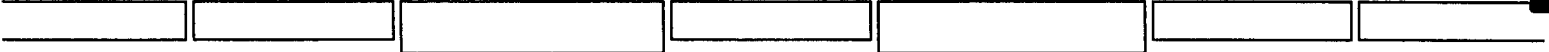
## Cell 1

Culvert Type:	Reinforced Concrete Box Culvert - Open Footing
Evidence of Failure:	N
Extent of Alkali Aggregate:	None
Extent of Cracking:	Intermittent
Severity of Cracking:	Light
OHBCD Conformance:	Meets Code
Are cracks leaching:	Y
Length of Cracking requiring repair (in metres):	0
% of Cracking requiring Repair which is Structurally related:	
Compressive Strength	Greater Than 35 Mpa
Air Void Distribution	Satisfactory
% Horizontal Repair Area:	0
% Vertical Repair Area:	0
% Underside Repair Area:	0
Remaining Service Life:	15
<b>Dimensional Data</b>	
Horizontal exposed surface area (in metres <sup>2</sup> ):	0
Horizontal slab length (in metres):	0
Horizontal slab thickness (in metres):	0
Horizontal slab width (in metres):	8.63
Overburden (in metres):	3.8
Vertical exposed surface area (in metres <sup>2</sup> ):	0
Vertical wall height (in metres):	3.5
Vertical wall length (in metres):	31.4
Vertical wall thickness (in metres):	0.44
Volume (in metres <sup>3</sup> ):	299.4

140890

Physical Testing	
Culvert Lining Length (in metres):	0
Culvert Horizontal Surface Requiring Repairs (%):	0
Culvert Vertical Surface Requiring Repairs (%):	0
Culvert Underside Surface Requiring Repairs (%):	0

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Cells | Barriers | Watercourse |

## Barrier 1

Barrier type:	
Pedestrian barrier present:	
Remaining Service Life:	
<b>Dimensional Data</b>	
<b>Physical Testing</b>	

## Barrier 2

Barrier type:	
Pedestrian barrier present:	
Remaining Service Life:	
<b>Dimensional Data</b>	
<b>Physical Testing</b>	

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**bridgeTMS**

## Watercourse on Structure: 140890

Cells | Barriers | Watercourse |

### Watercourse


Watercourse Stability:	Stable
Significant Erosion of Banks Evident:	N
Evidence of Unanticipated Flow Exposure:	N
Length Requiring Non-Critical Repair (in metres):	0
Length Requiring Critical Repair (in metres):	0
Remaining Service Life:	15
<b>Dimensional Data</b>	
Bank 1 Length of impact (in metres):	4
Bank 2 Length of impact (in metres):	4


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# General Information for Structure 141090

- Treatments
- Treatment Details
- Structure Report
- Photographs
- Change History
- FOI

Cells | Watercourse |

Elevation:	
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Bridge Name:	WEST HUMBER RIVER TRIBUTARY
Location:	 Mayfield Road 0.9 km East of Dixie Road, #4
Year Built:	1940
Bridge Type:	Reinforced Concrete Box Culvert - Open Footing
Crosses:	West Humber River Tributary
Direction of Traffic:	WE
Number of Lanes:	2
Number of Cells:	1
Watercourse:	Yes
Inspector:	Cliff Leung
Date of Survey:	5/21/2002 11:44:29 AM

**Physical Testing**

Inspector Comments:	No Comments
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Enter Comments Here:	<div style="border: 1px solid black; padding: 5px; min-height: 100px;"> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="border: 1px solid black; padding: 2px;">1</div> <div style="border: 1px solid black; padding: 2px;">2</div> </div> <div style="text-align: right; margin-top: 10px;"> <div style="border: 1px solid black; padding: 2px; display: inline-block;">Add Comments</div> </div> </div>
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# Cells on Structure: 141090

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Cells | Watercourse |

## Cell 1

Culvert Type:	Reinforced Concrete Box Culvert - Open Footing
Evidence of Failure:	N
Extent of Alkali Aggregate:	None
Extent of Cracking:	Intermittent
Severity of Cracking:	Medium
OHBDC Conformance:	Meets Code
Are cracks leaching:	Y
Length of Cracking requiring repair (in metres):	0
% of Cracking requiring Repair which is Structurally related:	
Compressive Strength:	Greater Than 35 Mpa
Air Void Distribution:	Satisfactory
% Horizontal Repair Area:	0
% Vertical Repair Area:	0
% Underside Repair Area:	0
Remaining Service Life:	11
<b>Dimensional Data</b>	
Horizontal exposed surface area (in metres <sup>2</sup> ):	13.05
Horizontal slab length (in metres):	24.1
Horizontal slab thickness (in metres):	0.3
Horizontal slab width (in metres):	4.35
Overburden (in metres):	1.7
Vertical exposed surface area (in metres <sup>2</sup> ):	7.68
Vertical wall height (in metres):	1.6
Vertical wall length (in metres):	24.1
Vertical wall thickness (in metres):	0.3
Volume (in metres <sup>3</sup> ):	54.59



141090

Physical Testing	
Culvert Lining Length (in metres):	0
Culvert Horizontal Surface Requiring Repairs (%):	0
Culvert Vertical Surface Requiring Repairs (%):	0
Culvert Underside Surface Requiring Repairs (%):	0

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## Watercourse on Structure: 141090

Cells | Watercourse |

### Watercourse

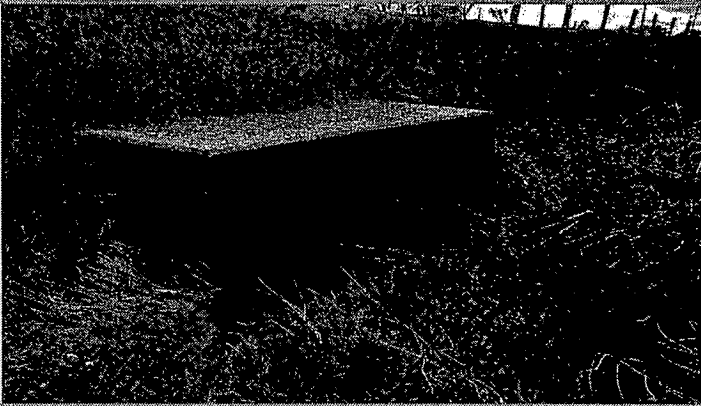

Watercourse Stability:	Stable
Significant Erosion of Banks Evident:	N
Evidence of Unanticipated Flow Exposure:	N
Length Requiring Non-Critical Repair (in metres):	0
Length Requiring Critical Repair (in metres):	0
Remaining Service Life:	11
<b>Dimensional Data</b>	
Bank 1 Length of impact (in metres):	3
Bank 2 Length of impact (in metres):	3

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# General Information for Structure 140810

- General Info
- Treatments
- Treatment Details
- Structure Report
- Photographs
- Rehabilitation History
- Home

Cells | Barriers | Watercourse |

Elevation:	
<b>Bridge Name:</b>	LOT 1 CONC 6E CALEDON
<b>Location:</b> 	Mayfield Road 0.3 km West of Airport Road, #7
<b>Year Built:</b>	1960
<b>Bridge Type:</b>	Reinforced Concrete Box Culvert - Open Footing
<b>Crosses:</b>	West Humber River Tributary
<b>Direction of Traffic:</b>	WE
<b>Number of Lanes:</b>	2
<b>Number of Cells:</b>	1
<b>Number of Barriers:</b>	2
<b>Watercourse:</b>	Yes
<b>Inspector:</b>	Warren Lopes
<b>Date of Survey:</b>	5/17/2002 2:58:39 PM
<b>Physical Testing</b>	
<b>Inspector Comments:</b>	No Comments
Enter Comments Here:	<div style="border: 1px solid #ccc; height: 80px; width: 100%;"></div>



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# Cells on Structure: 140810

Cells | Barriers | Watercourse |

## Cell 1

Culvert Type:	Reinforced Concrete Box Culvert - Open Footing
Evidence of Failure:	N
Extent of Alkali Aggregate:	None
Extent of Cracking:	Local
Severity of Cracking:	Light
OHBDC Conformance:	Meets Code
Are cracks leaching:	Y
Length of Cracking requiring repair (in metres):	0
% of Cracking requiring Repair which is Structurally related:	
Compressive Strength	Greater Than 35 Mpa
Air Void Distribution	Satisfactory
% Horizontal Repair Area:	0
% Vertical Repair Area:	0
% Underside Repair Area:	0
Remaining Service Life:	15
<b>Dimensional Data</b>	
Horizontal exposed surface area (in metres <sup>2</sup> ):	3.74
Horizontal slab length (in metres):	22
Horizontal slab thickness (in metres):	0.3
Horizontal slab width (in metres):	3.4
Overburden (in metres):	1.6
Vertical exposed surface area (in metres <sup>2</sup> ):	0.78
Vertical wall height (in metres):	0.6
Vertical wall length (in metres):	22
Vertical wall thickness (in metres):	0.3
Volume (in metres <sup>3</sup> ):	27

140810

Physical Testing	
Culvert Lining Length (in metres):	0
Culvert Horizontal Surface Requiring Repairs (%):	0
Culvert Vertical Surface Requiring Repairs (%):	0
Culvert Underside Surface Requiring Repairs (%):	0

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## Barriers on Structure: 140810

Cells | Barriers | Watercourse |

### Barrier 1

Barrier type:	
Pedestrian barrier present:	
Remaining Service Life:	
<b>Dimensional Data</b>	
<b>Physical Testing</b>	

### Barrier 2

Barrier type:	
Pedestrian barrier present:	
Remaining Service Life:	
<b>Dimensional Data</b>	
<b>Physical Testing</b>	

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Cells | Barriers | Watercourse |

## Watercourse

Watercourse Stability:	Stable
Significant Erosion of Banks Evident:	N
Evidence of Unanticipated Flow Exposure:	N
Length Requiring Non-Critical Repair (in metres):	0
Length Requiring Critical Repair (in metres):	0
Remaining Service Life:	15
<b>Dimensional Data</b>	
Bank 1 Length of impact (in metres):	3
Bank 2 Length of impact (in metres):	3

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