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**REGISTER OF DOCUMENTS AND DRAWINGS
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EDUCATION AND HUMAN RESOURCES
PUBLIC ARCHIVES AND RECORDS OFFICE
PRINCE EDWARD ISLAND**

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REGISTER OF DOCUMENTS AND DRAWINGS
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PUBLIC ARCHIVES AND RECORDS OFFICE
PROVINCE OF PRINCE EDWARD ISLAND
CHARLOTTETOWN, P.E.I.
CANADA C1A 7M4

SUBJECT: Construction of certain Bridges, Causeways,
and Water Control Structures in P.E.I.
Period 1951 to 1994

CONSULTANTS: O.J. McCulloch and Company
O.J. McCulloch Engineering Consultants Inc.
and Urban F. McCulloch

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DATE: April 18, 1997

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PART 1

REGISTER OF DOCUMENTS

GENERAL INDEX TO DOCUMENTS RELATIVE TO
BRIDGES, CAUSEWAYS AND WATER CONTROL STRUCTURES
IN P.E.I. CONSTRUCTED IN PERIOD 1951 TO 1994

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1.8	Correspondence File No. 7	Oct.1/59 - Feb. 29/60
1.9	Correspondence File No. 8 Also contains notes re: Meeting - 21 April 1960 and Remedial Measures Pier 3	Mar. 1/60 - Oct. 31/60
1.10	Correspondence File No. 9 N.B. Meetings and Claims by Foundation Maritime Ltd.	Nov. 1/60 - Mar. 22/71
1.11	Correspondence File No. 10 Progress Estimates Nos. 1 to 10 (final) Foundation Maritime Ltd.	June 17/59 - Oct. 17/61
1.12	Correspondence File No. 11 Progress Estimates Nos. 1 to 8 (final) Hillsboro Const. Co. Ltd.	Sept. 30/57 - May 31/59
1.13	Report & Data File re: Claim No. 5 submitted by Foundation Maritime Ltd.	June 6, 1961
1.14	Bound Report by O.J. McCulloch & Co. re Claim No. 5 for Tremie Concrete at Pier 3	June 6, 1961
1.15	Preliminary Report by Geocon Ltd. - "Geological Study of Hillsborough Bridge Site"	April 12, 1960
1.16	Report "Tremie Concrete Experiments" by Geocon Ltd.	February 9, 1961

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1.17	Report "Exploration at Pier No. 3" by Geocon Ltd.	February 13, 1961
1.18	Specification and Contract for construction (revised)	November 3, 1958
1.19	Preliminary Design Work	1955 - 1957
1.20	Final Design Brief for Abutments	May - June 1958
1.21	Final Design Brief for Piers	March 1958 - April 1961
1.22	Tidal Current Velocities	June 1959 - Jan. 1960
1.23	Pier Protection Plates Progress Estimate No. 1 (final) Dwg. No. 5 - Protection Plates Shafts of Piers No. 2 & No. 3	October 2, 1962 September 21, 1961
1.24	Specification and Contract for Pier Protection Plates	March 15, 1962

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2.1	Correspondence File No. 1	April 1/59 - Dec. 31/60
2.2	Correspondence File No. 2	Jan. 1/61 - Dec. 31/61
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2.4	Specification & Contract	April 1959
2.5	Job Progress Reports	Feb. 13/61 - Nov. 25/61
2.6	Progress Estimates No. 1 to No. 9 (final)	Aug. 20/60 - Aug. 1/62
2.7	Structural Steel Design Brief Original = Copy #1 with Calculated Mass of Steel	Feb. 1958 - Jan. 1959
2.8]	[Structural Steel Design Brief	Feb. 1958 - Jan. 1959
2.9]	[Copies #2 and #3	

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Section No. 3 Hillsborough Bridge Superstructure p.5
Deck Slabs, Pavement & Lighting
File No. 7-53.01

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
3.1	Correspondence File	Nov. 18/59 - Sept. 11/62
3.2	Design Brief for Deck Slab	1958
3.3	Specifications & Estimates & Design Brief for Apron Slabs and Lighting Bases	1960
3.4	Progress Estimates No. 1 to No. 6 (final)	Aug. 31/61 - Sept. 13/62

Section No. 4 Hillsborough Bridge - General
File No. 7-51.01

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
4.1	Invoice File for Professional Services	Sept. 5/56 - Mar. 30/66
4.2	Envelope containing two drawings dated Oct. 8 1900 of original railway bridge - later converted to highway use	
4.3	Record - bound book 200 Pages Resident Engineer's Diary Book No. 1	Aug. 21/57 - Dec. 28/61
4.4	Record - bound book Resident Engineer's Diary Book No. 2	1958-1959-1961-1962
4.5	A. Scott Diary Excerpts	1959 - 1960
4.6	Photographs and Report published Oct. 13, 1961 in Heavy Construction News	

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Section No. 5 North River Causeway p.6

File No. 7-54.02

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
5.1	Correspondence File	Mar. 11/54 - Sept. 30/93
5.2	Review	May 1962 & May 1963
5.3	Specifications	June 13, 1955
5.4	Calculation Brief for Sluice	May 1954 - March 1956

Section No. 6 Pinette River Causeway

File No. 7-55.03

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
6.1	General File	July 1955 - June 1963
6.2	Calculation Brief	Aug. 1955 - June 1957

Section No. 7 West River Causeway

File No. 7-55.04

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
7.1	Study of Tidal Flows	1956 - 1972
7.2	Design File	Nov. 15/55 - July 21/59
7.3	Specifications	1957
7.4	Correspondence File	Sept. 17/55 - Feb. 17/72

Section No. 8 Flood Damage -1962
File No. 7-62.05

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N.B. Warm temperatures, 35 F approximately, combined with heavy rainfall caused rapid rise in river stages in P.E.I., resulting in several bridges and culverts being destroyed in the first week of April 1962. O.J. McCulloch and Co. was engaged to study and recommend remedial measures at the following sites:

Scales Culverts
North Tryon Culverts
Ross Corners Bridge
Scales Dam - Culverts
Boughton River Bridge at Bridgetown
St. Peters Bridge
Victoria Causeway and Bridge
Sable River Bridge

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
8.1	Correspondence File No. 1	April 12/62 - Oct. 19/62
8.2	Correspondence File No. 2	Mar. 21/63 - Aug. 24/63
8.3	Correspondence File No. 3	Sept. 4/63 - May 30/64
8.4	Correspondence File No. 4	June 1/64 - Sept. 21/65
8.5	Photographs	April 12, 1962 - 1965
8.6	Calculation Brief for Flood Discharge Rates in P.E.I. Correspondence with University of P.E.I.	April 21/62 - July 18/62 June 8/71 - June 23/71
8.7	Calculation Brief for Scales Culverts	May - June 1962
8.8	Calculation Brief for North Tryon Culverts	May 1962
8.9	Boughton and St. Peters Bridges Design Brief	June 1962 Revised June 1963
8.10	Ross Corners Bridge Design Brief	April - June 1963 and November 1963

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Section No. 8 Flood Damage - 1962 (Continued) p.8
File No. 7-62.05

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
8.11	Victoria Causeway Design Brief	May 1962 - August 1964
8.12	Victoria Causeway Sluice Design Brief	1963
8.13	Victoria Causeway Sluice Spare Copies of Correspondence and Discharge Calculations	August 1962 & Sept./Oct. 1963
8.14	St. Peters Bridge Design and Quantities	May 7/63 - Aug. 7/63
8.15	Boughton River Bridge Progress Estimates	Sept. 30/63 - July 23/64
8.16	Ross Corners Bridge Progress Estimates	Oct. 31/63 - Sept. 3/64
8.17	Victoria Causeway Progress Estimates	May 31/64 - Dec. 2/64
8.18	St. Peters Bridge Progress Estimates	Sept. 8/64 - Nov. 27/64
8.19	Boughton River Bridge Specification and Contract	July 31, 1963
8.20	Ross Corners Bridge Specification and Contract	July 31, 1963
8.21	Victoria Causeway Sluice and Bridge Specification and Contract	October 16, 1963
8.22	St. Peters Bridge Specification and Contract	July 17, 1964
8.23	Invoices for Engineering Services	Oct. 2/62 - Jan. 29/65

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Section No. 11 Indian River Bridge p.10
File No. 7-64.08

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11.1	Correspondence File	July 6/64 - Nov. 7/89
11.2	Progress Estimates	July 1966 - Nov. 1966
11.3	Design Brief - Preliminary and Final	Oct. 1/64 - Dec. 27/66

Section No. 12 Morris Bridge
File No. 7-64.09

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
12.1	Correspondence File	July 6/64 - Feb. 13/67
12.2	Design and Estimates	May 7/64 - June 18/65
12.3	Progress Estimates	June 1965 - Feb. 1967
12.4	Specification & Contract	June 17 1965

Section No. 13 Oyster Bed Bridge
File No. 7-64.10

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
13.1	Correspondence File	July 6/64 - Oct. 22/65
13.2	Progress Estimates	June 5/65 - Feb. 8/67
13.3	Specification & Contract	June 17, 1965
13.4	Preliminary Schemes	Aug. 26/64 - Feb. 8/65

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Section No. 14 Morell River Bridge p.11
File No. 7-65.11

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14.2	Progress Estimates	Oct. 31/65 - Dec. 31/66
14.3	Design Brief	Jan. 14/65 -June 17/65

Section No. 15 Red Bridge
File No. 7-65.12

Note: This file is missing.

Section No. 16 Grand River Bridge
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File No. 7-66.13

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
16.1	Correspondence File	May 9/66 - July 5/66

Section No. 17 South Pinette River Bridge
File No. 7-67.14

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17.1	Correspondence and Design Brief for Pier and Abutment Protection Plates	Feb. 14/67 - May 31/80

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Section No. 18 Bay View Bridge p.12
File No. 7-67.15

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18.2	Design Brief	Feb. 17/67 - Aug. 10/67
18.3	Invoice File for Services covering Bridges Built 1964 to 1967	Jan. 29/65 - Jan. 15/68

Section No. 19 Murray Harbour Bridge
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19.1	Correspondence File	Jan. 11/68 - Dec. 31/70
19.2	Design Briefs and Estimates	Jan. 11/68 - June 8/70
19.3	Specification and Tender Form	May 1970
19.4	Invoices	Mar. 31/69 - Dec. 3/70

Section No. 20 Hatchery Corner Bridge
Dunk River
File No. 7-69.17

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20.1	Correspondence File	Jan. 27/69 - Dec. 3/70
20.2	Specifications and Tender Form	May 1970
20.3	Design Brief	April 8/69 - July 25/69
20.4	Invoices	Mar. 2/70 - Dec. 3/70
20.5	Envelope containing Drawings	July 30/69 - June 30/70

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Section No. 21 Knox Pond Bridge p.13
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21.2	Specifications and Drawings	May 24/71 - June 8/71

Section No. 22 Corran Ban Bridge
File No. 7-71.19

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
22.1	Correspondence File and Design Brief	Feb. 8/72 - Feb. 22/72
22.2	Specification	February 1972
22.3	Drawings	Mar. 11/71 - Feb. 19/72

Section No. 23 Study of Existing Bridges
for Special Heavy Loading
File No. 7-73.20

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
23.1	Correspondence File	Sept. 7/73 - Apr. 11/74
23.2	Hillsborough Bridge Calculation Brief for Design Review	Sept. Oct. Nov. 1973
23.3	Report re Hillsborough River Bridge	December 4, 1973
23.4	Timber Bridges - Design Review	January 30, 1974

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Section No. 24 Stanley Bridge p.14
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24.1	Correspondence File	Dec. 27/73 - Oct. 29/76
24.2	Design Brief	Feb. 26/69 - Apr. 17/75
24.3	Reference Data Soil Investigations Profiles etc.	Mar. 22/72 - Jan. 1974
24.4	Specification	April 1975 - March 1976

Note: This bridge was not built.

Section No. 25 Marie River Bridge
File No. 7-75.22

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
25.1	Correspondence File Hydraulic Calculations Site Plans	May 29/75 - Sept. 11/75

Section No. 26 Souris West Bridge
File No. 7-75.23

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
26.1	Correspondence File	Mar. 31/76 - Dec. 31/76
26.2	Specification and Tender	1976
26.3	Design Calculations Site Plans and Photographs	Sept. 1975 - March 1976

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Section No. 27 Hillsborough River Bridge Studies p.15
File No. 7-77.24
File No. 7-77.24A.B.C.

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
27.1	General Correspondence	July 26/58 - Aug. 31/77
27.2	Report of Investigation of Traffic Vibrations	August 5, 1977
27.3	Vibration Study and Technical Reference Information	1977
27.4	Vibration Studies Calculation Brief and Reference data	July 7, 1977
27.5	Embankment Settlement Correspondence and Background Information	August 1977
27.6	Asphalt and Verglimit Correspondence and Ontario Transportation Report ME-86-02	Aug. 1977-Feb. 1987

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Section No. 28 Hillsborough River Bridge Replacement of Bearings p.16
File No. 7-77.25

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
28.1	Correspondence File and Specification for supply of Expansion Bearings	Aug. 25/77 - Jan. 5/79
28.2	Specification and Contract Drawings Specification for Installation of Bearings and 1 set of Contract Drawings	January 27, 1978
28.3	Design Brief (2 copies) also included 1 copy of Original Design Brief for Superstructure of Bridge	1977 - 1978
28.4	Supply of Bearings Correspondence, Specification and Drawings	Jan. 23/78 - June 22/78

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Section No. 29 New London Bridge and p.17
New Glasgow Bridge
File Nos. 7-78.26
 7-78.27

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
29.1	New London Bridge and New Glasgow Bridge Correspondence File with Photographs and Approved Shop Drawings	Sept. 9/77 - Feb. 8/82
29.2	New London Bridge Sub-Soil Data Soil Investigation Reports	Dec. 29/77 - July 21/79
29.3	P.E.I. Trestle Type Bridges Master Specification	March 23, 1978
29.4	New London Bridge Specification	1978
29.5	New Glasgow Bridge Specification	1978
29.6	New London and New Glasgow Bridges - Calculation Briefs for Quantities for Tenders	February - March 1978
29.7	New London Bridge Calculations for Pile Driving Resistance and Driving Records	June 1979
29.8	New London Bridge Pile Driving Records for Abutment Piles and Calculations for Loads	May - July 1979
29.9	New London Bridge Pile Driving Records for H-Piles and Pipe Piles	May - July 1979

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Section No. 29 New London Bridge and (Continued) p.18
 New Glasgow Bridge
 File Nos. 7-78.26
 7.78.27

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
29.10	New Glasgow Bridge Site Location Drawing Soil Investigation Report Prestressed Concrete Beam Details	Nov. 1977 - May 1978
29.11	Combined Invoice File for: - Hillsborough Bridge - Replacement Expansion Bearings No. 7-77.25 - New London Bridge No. 7-78.26 - New Glasgow Bridge No. 7-78.27	April 1978 - Jan. 1979

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Section No. 30 Lower Wrights Creek Bridge p.19
File No. 7-79.28

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
30.1	Correspondence File and Site Drawings THIS BRIDGE WAS NOT BUILT	January - February 1979

Section No. 31 Evaluation by Ontario Highway Bridge
Design Code of -
Ross Corners Bridge and
St. Peters Bridge
File No. 7-79.29

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
31.1	Evaluation by Ontario Highway Bridge Design Code of Ross Corners Bridge and St. Peters Bridge	May and June 1979

Section No. 32 Standard Prestressed Concrete Bridge
File No. 7-80.30

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
32.1	Correspondence File and Notes	April 25/78 - Sept. 12/80
32.2	Standard Prestressed Concrete Bridge - 49 Foot Span Design Brief	1979
32.3	Original Specification (blanks to be filled in for specific cases)	1980
32.4	Blank Specification indicating spaces to be filled in. Refer to drawings of New London, New Glasgow and Souris West Bridges for arrangements and details.	1980

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Section No. 33 Hunter River Bridge p.20
File No. 7-80.31

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
33.1	Correspondence and Design Calculations	March 1980

Section No. 34 Inspection of Bridges in P.E.I.
South Pinette River - File No. 7-80.32
West River - File No. 7-81.37
Morell River - File No. 7-81.39

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
34.1	Correspondence File Invoicing and Notes	April 1981 - Oct. 1982 Photos - June 1989
34.2	West River Bridge Inspection Report	December 1981
34.3	Morell River Bridge Inspection Report	March 12, 1982
34.4	Invoicing for South Pinette, West and Morell Rivers	1982

Section No. 35 Pedestrian Underpass at South Port
File No. 7-80.33

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
35.1	Design Assistance	Oct. 1980 - Feb. 1981

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Section No. 36 Hillsborough Bridge
Proposed Widening
File No. 7-81.34 p.21

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
36.1	Correspondence	October 24, 1980

Section No. 37 Proposed Guard Railing
for Bridges in P.E.I.
File No. 7-81.35

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
37.1	Correspondence	April 1981

Section No. 38 Controlled Overload
Vehicle - Effect on Bridges
File No. 7-81.36

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
38.1	Calculation Brief and Correspondence	February - April 1981

Section No. 39 Murray River Bridge
Inspection and Evaluation
File No. 7-81.38

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
39.1	Correspondence File	Nov. 24/81 - June 30/82
39.2	Report - Original Report - Photocopy	June 15, 1982

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Section No. 40 Miscellaneous Assignments p.22__

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Re Bridges
File No. 7-81.M

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
40.1	Correspondence and Calculations	Apr. 20/81 - Dec. 7/81

Section No. 41 AASHTO Type I Beam
File No. 7-82.M

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
41.1	Correspondence and Calculation Brief	Nov. 23/81 - Aug. 16/82

Section No. 42 West River Causeway
File No. 7-83.40

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
42.1	Correspondence File and Preliminary Engineering Study to Increase Tidal Flow through the West River Causeway	June 5/73 - Aug. 9/84
42.2	Study to Increase Tidal Flow - Report	July 31/84 - Aug. 9/84
42.3	Study to Increase Tidal Flow Calculation Brief	1983 - 1984
42.4	Study to Increase Tidal Flow Reference Drawing, Charts, Tide Levels, etc.	1983

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Section No. 43 Kildare River and Estuary Study p.23
File No. 7-84.41

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
43.1	A Review of Reports Relative to the Water Quality of Kildare River and Estuary	Sept. 5/84 - Mar. 8/85
43.2	Reference Data, Aerial Photographs, Maps and Reports	Feb. 1977 - June 1984

Section No. 44 West River Causeway
Schemes A, B & C
File No. 7-85.42

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
44.1	West River Causeway Proposed New Opening to improve Water Quality Correspondence and Drawings Schemes A, B & C	Aug. 27/84 - Jan. 25/85
44.2	West River Causeway Proposed New Opening Calculation Brief and Drawings for Scheme A	November 1984
44.3	West River Causeway Proposed New Opening Calculation Brief and Drawings for Scheme B	November 1984

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Section No. 45 Proposed New West River Bridge p.24
Schemes D & E
File No. 7-85.43

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
45.1	Proposed New West River Bridge and improvement of water quality by breaching the West River Causeway Correspondence, Notes, Drawings and Report re Schemes D & E	Dec. 12/84 - Apr. 26/85
45.2	Proposed New West River Bridge and breaching of West River Causeway Calculation Brief for Substructure - Scheme D	Dec. 9/84 - Apr. 4/85
45.3	Proposed New West River Bridge and breaching of West River Causeway Calculation Brief for Substructure - Schemes D, E & F	March - April 1985
45.4	Proposed New West River Bridge and breaching of West River Causeway Calculation Brief for Quantities and Cost for Schemes D, E & F	March - April 1985

Section No. 46 West River Causeway
Scheme C-1
File No. 7-85.43.1

<u>Doc No.</u>	<u>Contents</u>	<u>Date</u>
46.1	West River Causeway Proposed New Opening Scheme C-1 Correspondence, Cost Estimates and Reports	Apr. 27/85 - May 28/85

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Section No. 47 West River Causeway p.25
New Channel Opening and Highway Bridge
File No. 7-85.44

<u>Doc No.</u>	<u>Contents</u>	<u>Date</u>
47.1	Correspondence File No. 1	May 16/85 - Dec. 31/85
47.2	Correspondence File No. 2	Jan. 1/86 - June 13/86 Fax of Mar. 17/92
47.3	File of Site Information, Preliminary Soil Tests, Borings, etc.	May 1956 - Dec. 1985
47.4	Reports of Geotechnical	Jan. 10/85
47.5	Investigations by Jacques,	July 31/85
47.6	Whitford & Associates Ltd	April 9/86
47.7	Design Brief for Substructure and Calculations for Quantities for Tender	June 7/85 - Mar. 31/86
47.8	Design Brief for Superstructure	1985 - 1986
47.9	Contract Specifications for New Channel Opening and Highway Bridge	1985 - 1986
47.10	Half-size Sets of Drawings for Tendering purposes	1985 - 1986
47.11	Field Supervision of Construction Correspondence File No. 1	Feb. 3/86 - June 30/86
47.12	Field Supervision of Construction Correspondence File No. 2	July 1/86 - Dec. 31/86
47.13	Field Supervision of Construction Correspondence File No. 3	Jan. 1/87 - May 12/87
47.14	Field Supervision of Construction File of Cost Estimates and Tenders	Oct. 25/85 - Jan. 20/87

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Section No. 47 West River Causeway - Continued p.26
New Channel Opening and Highway Bridge
File No. 7-85.44

<u>Doc No.</u>	<u>Contents</u>	<u>Date</u>
47.15	Field Supervision of Construction on Drawing Lists and Distribution	Apr. 2/86 - July 18/86
47.16	Calculation Brief for dredging Disposal Areas "A" and "B" Aerial Photographs and Drawing No. 10	Sept. 25/85 - Feb. 18/86
47.17	Field Supervision of Construction Final check on Dredging Volume	Dec. 2/86 - Oct. 15/87
47.18	Field Supervision of Construction Soundings before and after breaching Causeway Dredging Cross-section	Mar. 1/87 - Aug. 27/87
47.19	Field Supervision of Construction Calculations for Progress Dredging Volumes	June 9/87 - Aug. 22/87
47.20	Progress Payments No. 1 to No. 17 and Change Orders 1 to 7	May 7/86 - May 1/88
47.21	1) File - West River Claims 2) Draft - Preliminary Claim Analysis 1988 3) File - Meeting Notes re Claims	1988
47.22	File of Minutes of Job Meetings, Construction Schedules and Notes	1986 - 1987
47.23	Shop Drawings for Abutment and Pier Reinforcing	May 1986 - Aug. 1986
47.24	Shop Drawings for Expansion and Fixed Bearings, and Guardrails	June - Sept. 1986

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Section No. 47 West River Causeway - Continued

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New Channel Opening and Highway Bridge
File No. 7-85.44

<u>Doc No.</u>	<u>Contents</u>	<u>Date</u>
47.25	Shop Drawings for Bridge Deck Reinforcing and Sidewalk Forms	Mar. 1981 - Sept. 1986
47.26	Soundings in West River Channel at Bridge taken by Delcom Cons. Inc.	1987 - 1988 - 1990
47.27	Progress Estimates for Disposal Areas, Structural Steel Deck and Guardrails	Aug. 1986 - Aug. 1987
47.28	File - Shop Inspection performed by Warnock Hersey Company	Sept. - Dec. 1986
47.29	Test Piles Driving	Aug. 1985 - Mar. 1986
47.30	Contractor's Cofferdam for Pier Construction Drawings and Calculations for Design Check	March - April 1986
47.31	Calculation Brief for Design of Rip Rap Protection	June - October 1985
47.32	Calculation Brief Geotextile Filter Fabric for Rip Rap Stability	September 1985
47.33	Engineer's Estimates of Cost for Construction of New Causeway Opening and Substructure for Bridge	Oct. 25/85
47.34	File re Supply and Delivery of Steel Sheet Piling for Abutments and Pier	July 1985
47.35	File re Dredging Disposal Area "A"	July - October 1986

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Section No. 47 West River Causeway - Continued p.28
New Channel Opening and Highway Bridge
File No. 7-85.44

<u>Doc No.</u>	<u>Contents</u>	<u>Date</u>
47.36	Contract and Specification for Dredging Disposal Areas "A" and "B"	July 17/86
47.37	Specification for Structural Steel Superstructure and Tenders received	Feb. 27/85 - Apr. 22/86
47.38	Maritime Steel and Foundries Ltd. Calculation Brief prepared by G.F. Williamson & Assoc. Ltd. for Structural Analysis for Handling and Transportation of Girder	June - July 1986
47.39	File re Deck and Guardrails Contract No. 4 Tender Prices received	Apr. 16/86 - July 8/86
47.40	Environmental Meetings	Sept. - Dec. 1985
47.41	Contract Agreements for Engineering Services of Prime Consultant and Sub Consultant	June 26/85 & Apr. 1/86
47.42	Correspondence File No. 1 Invoicing for Engineering Services	July 5/85 - June 9/86
47.43	Correspondence File No. 2 Invoicing for Engineering Services	July 18/86 - Mar. 24/88
47.44	Weekly Construction Reports with Photographs - Binder No. 1	Apr. 11/86 - June 20/86
47.45	Weekly Construction Reports with Photographs - Binder No. 2	June 27/86 - Aug. 8/86

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Section No. 47 West River Causeway - Continued p.29
New Channel Opening and Highway Bridge
File No. 7-85.44

<u>Doc No.</u>	<u>Contents</u>	<u>Date</u>
47.46	Weekly Construction Reports with Photographs - Binder No. 3	Aug. 15/86 - Oct. 3/86
47.47	Weekly Construction Progress Reports - Binder No. 4	Oct. 10/86 - Dec. 24/86
47.48	Weekly Construction Progress Reports - Binder No. 5	May 8/87 - Aug. 28/87
47.49	Underwater Video of Sandstone rock discovered in dredged channel. Obstruction to suction dredge.	October 21, 1986
47.50	Underwater Video - Diver Exploration around Pier and vicinity by Marenco Engineering Ltd., Charlottetown, P.E.I.	November 1987

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Section No. 48 Canadian Creek p.30
Culvert Evaluation and Design
File No. 7-86.45

<u>Doc No.</u>	<u>Contents</u>	<u>Date</u>
48.1	Correspondence File and Design Calculations	June - July - Aug. 1986

Section No. 49 North River Causeway and
Graham Rogers Lake
Hydraulic Studies
File No. 7-86.46

<u>Doc No.</u>	<u>Contents</u>	<u>Date</u>
49.1	Correspondence File	Feb. 6/87 - Aug. 26/87
49.2	File of Reference Data, Drawings, Aerial Photographs, Tide Readings, Cross-sections, Water Chemistry, Photographs	Received 1986
49.3	Original Calculations of Hydraulic Study and Report	1987
49.4	Report	February 6, 1987
49.5	Report by Jacques Whitford & Associates Ltd. et al "A Study of Water Quality Issues at Selected P.E.I. Causeways."	Received 1986
49.6	Appendix 8.2 to 8.5 by Jacques Whitford & Associates Ltd. et al "A Study of Water Quality Issues at Selected P.E.I. Causeways."	Received 1986

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Section No. 50 Roads and Transportation p.31
Association of Canada

File No. 7-86.48

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
50.1	Bridge Capacity Assessment Project Committee Meetings and Reports relative to P.E.I.	June 24/85 - Aug. 27/87

Section No. 51 Evaluation Studies of Certain Bridges in P.E.I.
to Carry Heavy Truck Trailer
File No. 7-87.49

<u>Doc No.</u>	<u>Contents</u>	<u>Date</u>
51.1	Correspondence File	Feb. 5/87 - Aug. 24/93
51.2	Reference File for Calculations for Structural Analysis of Bridges Original Sketch Nos. 1-6 incl. re Hillsborough Bridge	January 26, 1988
51.3	Hillsborough Bridge Original Calculation Brief Volume 1 - 204 Pages	Nov. - Dec. 1987
51.4	Hillsborough Bridge Original Calculation Brief Volume 2 - 188 Pages	Nov. - Dec. 1987
51.5	Hillsborough Bridge Original Calculation Brief Volume 3 - 181 Pages	Nov. - Dec. 1987
51.6	Typical Prestressed Concrete Bridge - Span 15 m. Original Calculation Brief - 116 Pages	January 1988
51.7	Typical Timber Bridge - Span 9.15 m. Original Calculation Brief - 68 Pages	January 1988

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Section No. 52 Hillsborough Bridge p.32
Thickness Measurements Reports
File No. 7-89.49

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
52.1	Correspondence File	July 18/88 - May 21/92
52.2	Report "Bridge Inspection Hillsborough River Bridge" - Project No. L1234 by W.S. Langley & Assoc. Ltd.	May 27, 1988
52.3	Report - Hillsborough Bridge Corrosion Survey Sections 16 to 30 incl.	October 22, 1991
52.4	Report - Hillsborough Bridge Rehabilitation and Upgrading Study	September 1991

Section No. 53 Hillsborough Bridge
Structural Analysis Study for B-Train Truck Load,
Using S-Frame Version 2.1
File No. 7-94.49

<u>Doc. No.</u>	<u>Contents</u>	<u>Date</u>
53.1	Correspondence File	Sept. 2/93 - Nov. 7/94
53.2	Report - Hillsborough Bridge Structural Analysis - 1994 Part One - Discussions and Conclusions Part Two - Design Brief and Computer Input and Output	July 29, 1994

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PART 2

CATALOGUE OF DRAWINGS

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**CATALOGUE OF DRAWINGS FOR
CONSTRUCTION OF BRIDGES, CAUSEWAYS,
AND OTHER STRUCTURES ON
PRINCE EDWARD ISLAND**

**Drawings are rolled and wrapped in paper
with list of drawings taped to outside
and list of drawings included inside the wrapping.**

**Urban F. McCulloch, P.Eng.
1564 Randor Drive
Mississauga, Ontario
Canada L5J 3C7**

After June 1, 1997

**#42 - 5255 Lakeshore Road
Burlington, Ontario
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Date: April 18, 1997

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LIST OF PROJECTS ON PRINCE EDWARD ISLAND

<u>File No.</u>	<u>Name of Project</u>	<u>Page No.</u>	<u>Drawing Roll No.</u>	<u>Box No.</u>
7-53.1-1	Hillsborough River Bridge	1	1	1
7-53.1-2	Hillsborough River Bridge Substructure	2	2	1
7-53.1-2	Hillsborough River Bridge Substructure	3	3	1
7-53.1-3	Hillsborough River Bridge Superstructure	4	4	1
7-53.1.3	Hillsborough River Bridge Superstructure	5	5	1
7-53.1-4	Hillsborough River Bridge Deck Slab, Pavements and Lighting	6	6	1
7-77.25	Hillsborough River Bridge Replacement of Expansion Bearings	7	7	1
7.53.1-1, -2, -3, -4.	Hillsborough River Bridge Substructure and Superstructure	8 8	8 8	1 1
7-77.25	Replacement Expansion Bearings	9	8	1
7-54.2	North River Causeway	10	9	1
7-55.3	Pinette Causeway	11	10	1
7-55.4	West River Causeway	12	11	1

LIST OF PROJECTS ON PRINCE EDWARD ISLAND

<u>File No.</u>	<u>Name of Project</u>	<u>Page No.</u>	<u>Drawing Roll No.</u>	<u>Box No.</u>
7-62.5	Boughton River Bridge	13	12	1
7-62.5	Vernon Causeway	13	12	1
7-62.5	Ross Corners Bridge	14	13	1
7-62.5	St. Peters Bridge	15	14	1
7-62.5	Victoria Causeway	16	15	1
7-64.7	Cain's Bridge	17	16	1
7-64.7	MacAusland's Bridge	18	17	1
7-64.8	Indian River Culvert	19	18	1
7-64.9	Morris Bridge	20	19	1
7-64.10	Oyster Bed Bridge	21	20	1
7-65.11	Morell River Bridge	22	21	2
7-66.12	Red Bridge	23	22	2
7-66.13	Grand River and Belle River Bridges	23	22	2
7-67.14	Bridge over South Pinette River - Pier & Abutment Protection Plates	24	23	2
(7-80.32)	Inspection Report		23	2
7-67.15	Bay View Bridge	25	24	2

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<u>File No.</u>	<u>Name of Project</u>	<u>Page No.</u>	<u>Drawing Roll No.</u>	<u>Box No.</u>
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7-69.17	Hatchery Corner Bridge	27	26	2
7-71.18	Knox Pond Bridge	28	27	2
7-71.19	Corran Ban Bridge	29	28	2
7-75.23	Souris West Bridge	30	29	2
7-78.26	New London Bridge	31	30	2
7-78.27	New Glasgow Bridge	32	31	2
7-85.44	New Channel Opening and Highway Bridge West River Causeway Substructure & Superstructure	33 34	32 32A	3 3
7-85.44	New Channel Opening and Highway Bridge West River Causeway Site Information Drawings	35	33	3
7-85.44	New Channel Opening and Highway Bridge West River Causeway Shop Detail Drawings	36 37	34 34	3 3

PROJECTS ON PRINCE EDWARD ISLAND

Name: Hillsborough River Bridge

File No: 7-53.1-1

List of Drawings - Roll No. 1

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1A	General Plan	1 Sepia and 1 Xerox Vellum

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PROJECTS ON PRINCE EDWARD ISLAND

Name: Hillsborough River Bridge - Substructure

File No: 7-53.1-2

List of Drawings - Roll No. 2

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	General Plan	Sepia
2	Test Pile Data and Boring Logs	Sepia
3	Abutments and Piers No. 1 & No. 4	Sepia
4	Piers No. 2 & No. 3	Sepia
5	Protection Plates - Shafts of Piers No. 2 & No. 3	Sepia
G	S.S.P. Layout for Piers No. 2 & No. 3	Vellum

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PROJECTS ON PRINCE EDWARD ISLAND

Name: Hillsborough River Bridge - Substructure

File No: 7-53.1-2

Job Site Drawings - Roll No. 3

-

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
A	Pier No. 3 - Log of 30" Drill Holes	Vellum
B	Tremie Concrete - Batch Quantity	Vellum
C	Elevations of Tremie Concrete During Pouring	Vellum
D	Pier No. 3 - Drill Holes for Grouting (Logs)	Vellum
E	Water Levels in 30" dia. Tubes, Piezometers & River	Vellum

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PROJECTS ON PRINCE EDWARD ISLAND

Name: Hillsborough River Bridge - Superstructure

File No: 7-53.1-3

List of Drawings - Roll No. 4

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	General Arrangement	Sepia
2	Stress Sheet	Sepia
3	Geometry, Cross Sections and Pier Members	Sepia
4	Handrailing, Expansion Joints & Miscellaneous Steel	Sepia

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PROJECTS ON PRINCE EDWARD ISLAND

Name: Hillsborough River Bridge - Superstructure

File No: 7-53.1-3

List of Drawings - Roll No. 5

Partial Set of White Prints of Shop Detailed Drawings prepared by Canadian Bridge Company as follows:

Erection Drawings - E1 to E5 inclusive

Detailed Drawings - 1 to 23 inclusive

Detailed Drawings - 24 to 52 are missing

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PROJECTS ON PRINCE EDWARD ISLAND

Name: Hillsborough River Bridge

Deck Slabs, Pavements and Lighting

File No: 7-53.1-4

List of Drawings - Roll No. 6

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	Deck Slab	Sepia Vellum
2	Asphalt Pavements	Sepia Vellum & Xerox Vellum
3	Lighting and Apron Slabs	Sepia Vellum & Xerox Vellum

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PROJECTS ON PRINCE EDWARD ISLAND

Name: Hillsborough River Bridge

Replacement of Expansion Bearings

File No: 7-77.25

List of Drawings - Roll No. 7

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
S1	Fieldwork to Existing Jacking Girders at Piers No. 1 & 4	Original Mylar
S2	Fieldwork to Existing Girder at Pier No. 2	Original Mylar
S3	Pot Type Bearings at Piers No. 1 & 4	Original Mylar
S4	Pot Type Bearings at Pier No. 2	Original Mylar

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PROJECTS ON PRINCE EDWARD ISLAND

Name: Hillsborough River Bridge

File Nos: 7-53.1-1,-2,-3,-4. and 7-77.25

List of Drawings - Roll No. 8

File No: 7-53.1-1 - Approach Fills

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1A	General Plan	White Print
<u>File No: 7-53.1-2 - Substructure</u>		
1	General Plan	White Print
2	Test Pile Data and Boring Logs	White Print
3	Abutments and Piers No. 1 & No. 4	White Print
4	Piers No. 2 & No. 3	White Print
5	Protection Plates - Shafts of Piers No. 2 & No. 3	White Print
<u>File No: 7-53.1-3 - Superstructure</u>		
1	General Arrangement	White Print
2	Stress Sheet	White Print
3	Geometry, Cross Sections and Pier Members	White Print
4	Handrailing, Expansion Joints & Miscellaneous Steel	White Print

PROJECTS ON PRINCE EDWARD ISLAND

Name: Hillsborough River Bridge

File Nos: 7-53.1-1,-2,-3,-4. and 7-77.25 - Continued

List of Drawings - Roll No. 8

-

File No: 7-53.1-4 - Deck, Paving & Lighting

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	Deck Slabs	White Print
2	Asphalt Pavements	White Print
3	Lighting and Apron Slabs	White Print

File No: 7-77.25 - Replacement Expansion Bearings

S1	Fieldwork to Existing Jacking Girders at Piers No. 1 & 4	White Print
S2	Fieldwork to Existing Girder at Pier No. 2	White Print
S3	Pot Type Bearings at Piers No. 1 & 4	White Print
S4	Pot Type Bearings at Pier No. 2	White Print

All Roll No. 8 is Packed in Box No. 1

PROJECTS ON PRINCE EDWARD ISLAND

Name: North River Causeway

File No: 7-54.2

List of Drawings - Roll No. 9

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	General Plan	Original Linen
2	General Plan of Culvert	Original Linen
3	Culvert - Sections & Details	Original Linen

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PROJECTS ON PRINCE EDWARD ISLAND

Name: Pinette Causeway

File No: 7-55.3

List of Drawings - Roll No. 10

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	Pinette River Culvert - General Plan	Original Linen
2	Sections & Details	Original Linen

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PROJECTS ON PRINCE EDWARD ISLAND

Name: West River Causeway

File No: 7-55.4

List of Drawings - Roll No. 11

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	General Plan	Sepia Vellum
2	Abutments - Steel Sheet Piles, Wales and Tie Rods	Sepia Vellum
3	Abutments - Concrete	Sepia Vellum
4	Structural Steel	Sepia Vellum
5	Reinforced Concrete Deck Slab	Sepia Vellum
6	Hydraulics	Pencil on Vellum

Packed in Box No. 1

PROJECTS ON PRINCE EDWARD ISLAND

Name: Flood Damage - Boughton River Bridge

File No: 7-62.5

List of Drawings - Roll No. 12

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	General Plan	Original Vellum
2	Abutments and Deck Slab	Original Vellum
3	Structural Steel Details	Original Vellum

Name: Flood Damage - Vernon Causeway

File No: 7-62.5

List of Drawings - Roll No. 12

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	Vernon River Sluice Repairs	Original Vellum

PROJECTS ON PRINCE EDWARD ISLAND

Name: Flood Damage - Ross Corners Bridge

File No: 7-62.5

List of Drawings - Roll No. 13

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	General Plan	Original Vellum
2	Abutment Structures	Original Vellum
3	Structural Steel Details	Original Vellum
4	Concrete Deck - Main Span	Original Vellum
5	Marking Schedule for Reinforced Steel	Original Vellum
6A	Bar List	Original Vellum
6B	Bar List	Original Vellum
6C	Bar List	Original Vellum
-	Resistance vs. Blows Per Inch	Original Vellum

Packed in Box No. 1

PROJECTS ON PRINCE EDWARD ISLAND

Name: Flood Damage - St. Peters Bridge

File No: 7-62.5

List of Drawings - Roll No. 14

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	General Plan	Original Vellum
2	Abutments and Deck Slab	Original Vellum
3	Structural Steel Details	Original Vellum
4	Marking Schedule for Reinforcing Steel	Original Vellum
5	Bar List	Original Vellum
TP-1	Test Pile	Original Vellum

Packed in Box No. 1

PROJECTS ON PRINCE EDWARD ISLAND

Name: Flood Damage - Victoria Causeway

File No: 7-62.5

List of Drawings - Roll No. 15

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	General Plan	Original Vellum
2	Steel Sheet Piling Details	Original Vellum
2A	Steel Sheet Piling Corners	Original Vellum
3	Abutments and Anchor Walls	Original Vellum
4	Structural Steel	Original Vellum
5	Concrete Deck Slab	Original Vellum
6	Marking Schedule for Reinforcing Steel	Original Vellum
7	Bar List	Original Vellum

Packed in Box No. 1

PROJECTS ON PRINCE EDWARD ISLAND

Name: Cain's Bridge

File No: 7-64.7

List of Drawings - Roll No. 16

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	General Plan	Original Vellum
2	Center Pier	Original Vellum
3	Abutment and Slabs	Original Vellum
4	Diaphragms	Original Vellum
5	Prestressed Concrete Girders	Original Vellum
6	Bearings, Joints and Guardrails	Original Vellum
7	Marking Schedule for Reinforcing Steel	Original Vellum
8	Bar List	Original Vellum
P1	Alternative Proposals for Reconstruction	Original Vellum
-	Detail of Bearing Anchorage	Original Vellum

PROJECTS ON PRINCE EDWARD ISLAND

Name: MacAusland's Bridge

File No: 7-64.7

List of Drawings - Roll No. 17

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	General Plan	Original Vellum
2	Abutments and Deck Slab	Original Vellum
3	Prestressed Concrete Girders	Original Vellum
4	Joints, Bearings, Handrailing & Drains	Original Vellum
5	Marking Schedule for Reinforcing Steel	Original Vellum
6	Bar List	Original Mylar

Packed in Box No. 1

PROJECTS ON PRINCE EDWARD ISLAND

Name: Indian River Culvert

File No: 7-64.8

List of Drawings - Roll No. 18

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	General Plan	Original Vellum
2	Approach Fill - Cross Sections	Original Vellum
3-1	Sheet 1 & 2	Original Vellum
3-2	Reinforced Concrete Details	
4	Miscellaneous Steelwork	Original Vellum
5	Marking Schedule for Reinforcing Steel	Original Vellum
6-1	Bar List	Original Mylar
6-2	Bar List	Original Mylar
6-3	Bar List	Original Mylar

Packed in Box No. 1

PROJECTS ON PRINCE EDWARD ISLAND

Name: Morris Bridge

File No: 7-64.9

List of Drawings - Roll No. 19

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
P-1	Proposal for Reconstruction	Original Vellum
1	Plan & Profile of Approaches	Original Vellum
2	Approach Fill - Cross Sections	Original Vellum
3	General Plan	Original Vellum
4	Abutments & Deck Slab	Original Vellum
5	Diaphragm and Pier Cap	Original Vellum
6	Prestressed Concrete Girders	Original Vellum
7	Bearings, Joints & Guardrail	Original Mylar
8	Marking Schedule for Reinforcing Steel	Original Mylar
9	Bar List	Original Mylar
Chart 1	Pile Driving Curves - Hiley Formula	Original Vellum
Chart 2	Pile Driving Curves - Hiley Formula	Original Vellum

Packed in Box No. 1

PROJECTS ON PRINCE EDWARD ISLAND

Name: Oyster Bed Bridge

File No: 7-64.10

List of Drawings - Roll No. 20

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
P1	Proposal - 80' Bridge & Weir	Original Vellum
P2	Proposal - 80' Sluice & Weir	Original Vellum
1	Plan & Profile of Approaches	Original Vellum
2-1	Approach Fill - Cross Sections	Original Linen
2-2	Approach Fill - Cross Sections	Original Linen
3	General Plan	Original Vellum
4	Abutments and Slabs	Original Vellum
5	Diaphragms and Pier Cap	Original Mylar
6	Prestressed Concrete Girders	Original Vellum
7	Bearing, Joints & Guardrail	Original Mylar
8	Marking Schedule for Reinforcing Steel	Original Mylar
9	Bar List	Original Mylar

Packed in Box No. 1

PROJECTS ON PRINCE EDWARD ISLAND

Name: Morell River Bridge

File No: 7-65.11

List of Drawings - Roll No. 21

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	Location Plan	Original Vellum
2	Approach Fill - West Side	Original Linen
3	Approach Fill - East Side	Original Linen
4	General Plan of Bridge	Mylar Copy
5	Abutments and Slabs	Original Vellum
6	Diaphragms and Pier Caps	Original Vellum
7	Prestressed Concrete Girders	Original Vellum
8	Bearings, Joints and Guardrail	Original Mylar
9	Marking Schedule for Reinforcing Steel	Original Mylar
10	Bar List	Original Mylar

PROJECTS ON PRINCE EDWARD ISLAND

Name: Red Bridge

File No: 7-65.12

List of Drawings - Roll No. 22

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
P-1	Proposed New Concrete Deck	Original Vellum
P-2	Marking Schedule for Reinforcing Steel	Original Mylar
P-3	Bar List	Original Mylar

Note: The letter file for this bridge is missing.

Name: Grand River and Belle River Bridges

File No: 7-66.13

List of Drawings - Roll No. 22

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	Proposed New Concrete Decks	Original Mylar

All of the above drawings are packed in Box No. 2

PROJECTS ON PRINCE EDWARD ISLAND

Name: Bridge over South Pinette River

File No: 7-67.14

List of Drawings - Roll No. 23

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	Protection Plates - General Plan	Original Mylar
2	Protection Plates - Details	Original Mylar

Name: Bridge over South Pinette River

Job No: H-562 of C.C. Parker & Assoc. Ltd., London, Ontario.

Construction Drawings of Bridge - July 14, 1958.

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
2	General Plan	White Print
3	Foundation & Wing Walls	White Print
4	Cross Sections & Misc. Details	White Print

Name: South Pinette River Bridge - Inspection Report

File No: 7-80.32

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
R-1	General Plan & Elevation	Original Vellum
R-1	Half-size Photocopy of R-1	Paper

All placed in Roll No. 23 and packed in Box No. 2

PROJECTS ON PRINCE EDWARD ISLAND

Name: Bay View Bridge

File No: 7-67.15

List of Drawings - Roll No. 24

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	Location Plan	Original Vellum
2	Bore Holes & Typical Cross Section	Original Vellum
3	General Plan	Original Vellum
4	Deck & Approach Slabs	Original Vellum
5	Piers and Abutments	Original Vellum
6	Prestressed Concrete Girders - VOID	Original Vellum
7	Bearings, Joints, Guardrail and Drain	Original Mylar
8	Marking Schedule for Reinforcing Steel	Original Mylar
9	Bar List	Original Mylar
10	Prestressed Concrete Girders	Original Vellum

Packed in Box No. 2

PROJECTS ON PRINCE EDWARD ISLAND

Name: Murray Harbour Bridge

File No: 7-69.16

List of Drawings - Roll No. 25

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	General Plan	Original Mylar
2	Borings and Existing Profiles	Original Mylar
3	Pile Caps - Piers No. 1, 2 & 3 and Diaphragms between Girders	Original Mylar
4	Abutments and Slabs	Original Mylar
5	Prestressed Concrete Girders	Original Mylar
6	Bearings, Joints, Guardrail & Drains	Original Mylar
7	Bill of Reinforcing Steel	Sepia Vellum

And Shop Drawings by Pyramid Structural Concrete as follows:

L1	Girder Layout	White Print
No. 1	Girder GA-1	White Print
No. 2	Girder GA-1A & GA-1B	White Print
No. 3	Girder GA-2	White Print
No. 4	Girder GA-2A & GA-2B	White Print

Pyramid Structural Job Number 1-154 - Drawing by Purvis Industrial Sales Ltd.,
Halifax, Nova Scotia.

1 of 1 Details of Aluminum Railing White Print

Packed in Box No. 2

PROJECTS ON PRINCE EDWARD ISLAND

Name: Hatchery Corner Bridge

File No: 7-69.17

List of Drawings - Roll No. 26

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	Location Plan & Profile	Original Mylar
2	General Plan	Original Mylar
3	Abutments	Original Mylar
4	Pier Caps and Deck Slab	Original Mylar
5	Prestressed Concrete Girders	Original Mylar
6	Miscellaneous Details	Original Mylar
7	Bill of Reinforcing Steel	Original Mylar

Packed in Box No. 2

PROJECTS ON PRINCE EDWARD ISLAND

Name: Knox Pond Bridge

File No: 7-71.18

List of Drawings - Roll No. 27

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	General Plan	Original Mylar
2	Abutments and Deck Slab	Original Mylar
3	Structural Steel & Miscellaneous Detail	Original Mylar
4	Bar List	Original Mylar

Packed in Box No. 2

PROJECTS ON PRINCE EDWARD ISLAND

Name: Corran Ban Bridge

File No: 7-71.19

List of Drawings - Roll No. 28

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	Location Plan & Sections	Original Vellum
2	General Plan	Original Vellum
3	Abutments	Original Sepia
4	Pier Caps and Deck Slab	Original Sepia
5	Prestressed Concrete Girders	Original Sepia
6	Miscellaneous Details	Original Sepia
7	Bill of Reinforcing Steel	Original Sepia

Packed in Box No. 2

PROJECTS ON PRINCE EDWARD ISLAND

Name: Souris West Bridge

File No: 7-75.23

List of Drawings - Roll No. 29

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
-	Cover Sheet	
1	Location Plan & Profile	Mylar Copy
2	General Plan & Elevation	Mylar Copy
3	Abutments	Mylar Copy
4	Piers	Mylar Copy
5	Roadway Deck Slab	Mylar Copy
6	Approach Slab & Misc.	Mylar Copy
7	Prestressed Concrete Girders	Mylar Copy
8	Details of Bearings, Drains and Expansion Joints	Mylar Copy
9	Guardrailing	Mylar Copy
10	Bill of Reinforcing Steel	Mylar Copy

Shop Drawings by Pyramid Structural Concrete as follows:

L1	Girder Layout	White Print
1	AASHO II Girder B-1	White Print
2	AASHO II Girder B-2	White Print

Calculation Brief March 17, 1976 - Pages 1 to 5 inclusive and 7
Packed in Box No. 2

PROJECTS ON PRINCE EDWARD ISLAND

Name: New London Bridge

File No: 7-78.26

List of Drawings - Roll No. 30

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	Location Plan and Profile	Sepia Vellum
2	General Plan and Elevation	Sepia Vellum
3	Abutments	Sepia Vellum
4	Piers	Sepia Vellum
5	Roadway Deck Slab	Sepia Vellum
6	Approach Slabs and Misc.	Sepia Vellum
7	Prestressed Concrete Girders	Sepia Vellum
8	Details of Bearings, Drains and Expansion Joints	Sepia Vellum
9	Guardrailing	Sepia Vellum
10	Bill of Reinforcing Steel	Sepia Vellum

PROJECTS ON PRINCE EDWARD ISLAND

Name: New Glasgow Bridge

File No: 7-78.27

List of Drawings - Roll No. 31

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	Location Plan and Profile	Sepia Mylar
2	General Plan and Elevation	Sepia Mylar
3	Abutments	Sepia Mylar
4	Pier	Sepia Mylar
5	Roadway Deck Slab	Sepia Mylar
6	Approach Slabs and Misc.	Sepia Mylar
7	Prestressed Concrete Girders	Sepia Mylar
8	Details of Bearings, Drains and Expansion Joints	Sepia Mylar
9	Guardrailing	Sepia Mylar
10	Bill of Reinforcing Steel	Sepia Mylar

PROJECTS ON PRINCE EDWARD ISLAND

Name: New Channel Opening and Highway Bridge
West River Causeway - Substructure and Superstructure

File No: 7-85.44

List of Drawings - Roll No. 32

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
0	Cover Sheet	Xerox Vellum
01	Site Plan for Project	Original Mylar
02	Site Plan of Existing Causeway	Original Vellum
03	Sections through Existing Causeway	Original Mylar
04	General Location Plan	Original Mylar
05	Vertical Curve at Centre Line of Road	Original Mylar
06	Construction Stage 1	Original Mylar
07	Construction Stage 2	Original Mylar
08	Construction Stage 3	Original Mylar
09	Sections through Causeway	Original Mylar
10	Cancelled Original Mylar	
11	Logs of Bore Holes	Original Vellum
12	Plan and Sections	Original Mylar
13	Sections	Original Mylar
14	Pier	Original Mylar
15	Pier Reinforcing	Original Mylar
16	Abutment	Original Mylar
17	Abutment Reinforcement 1	Original Mylar
18	Abutment Reinforcement 2	Original Mylar
19	Abutment Reinforcement 3	Original Mylar

Accession # 4559

**O. J. McCulloch Engineering Consultants Inc. fonds
WORKING FILES AND PLANS LISTING**

PROJECTS ON PRINCE EDWARD ISLAND

Name: New Channel Opening and Highway Bridge
West River Causeway - Substructure and Superstructure - Continued

File No: 7-85.44

List of Drawings - Roll No. 32

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
20	Dredging Disposal Area 'A'	Original Mylar
21	Dredging Disposal Area 'B'	Original Mylar
22	Dredging Disposal Area 'B' Sections	Original Mylar
23	Decant Structures	Original Mylar
30	Box Girder	Original Mylar
31	Box Girder Sections 1	Original Mylar
32	Box Girder Sections 2	Original Mylar
33	Box Girder Details 1	Original Mylar
34	Box Girder Details 2	Original Mylar
35	Box Girder Details 3	Original Mylar
36	Box Girder Details and Camber	Original Mylar
37	Bearings	Original Mylar
40	Deck Plan	Original Mylar
41	Deck Reinforcement 1	Original Mylar
42	Deck Reinforcement 2	Original Mylar
43	Guardrail	Original Mylar
44	Expansion Joint	Original Mylar

List of Drawings - Roll No. 32A

Half-size Copies of above Contract Drawings.

Both Roll No. 32 and Roll No. 32A are packed in Box No. 3

PROJECTS ON PRINCE EDWARD ISLAND

Name: New Channel Opening and Highway Bridge
West River Causeway - Site Information Drawings

File No: 7-85.44

List of Drawings - Roll No. 33

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
-	Water levels prior to Construction of New Opening - Sept. 27 & 28, 1984	White Print
-	Area "B" - Original Cross Sections of Beach Area on the South East Side of New West River Bridge - Sept. 25, 1985	Original Vellum
-	Final Cross Sections of Causeway - Dec. 29, 1987	White Print

Packed in Box No. 3

PROJECTS ON PRINCE EDWARD ISLAND

Name: New Channel Opening and Highway Bridge
West River Causeway - Shop Detail Drawings

File No: 7-85.44

List of Drawings - Roll No. 34

1 Set of Shop Drawings of Structural Steel by Maritime Steel and Foundries Ltd.,
New Glasgow, Nova Scotia - Contract No. 2935.

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
1	Bottom Flange Cutting Details	White Print
2	Bottom Flange Cutting Details	White Print
3	Bottom Flange Cutting Details	White Print
4	Bottom Flange Cutting Details	White Print
5	Top Flange Cutting Details	White Print
6	Top Flange Cutting Details	White Print
7	Top Flange Cutting Details	White Print
8	Top Flange Cutting Details	White Print
9	Web Cutting Details	White Print
10	Web Cutting Details	White Print
11	Girders	White Print
12	Girders Sections & Details	White Print
13	Girders Sections & Details	White Print
14	Girders Sections & Details	White Print
15	Girders Sections & Details	White Print
16	Girders	White Print
17	Girders Sections & Details	White Print
18	Girders Sections & Details	White Print
19	Girders Sections & Details	White Print
20	Diaphragm at Abutments	White Print
21	Girders	White Print
22	Girders Sections & Details	White Print
23	Girders Sections & Details	White Print
24	Girders Sections & Details	White Print
25	Girders Sections & Details	White Print

PROJECTS ON PRINCE EDWARD ISLANDName: New Channel Opening and Highway Bridge
West River Causeway - Shop Detail Drawings - ContinuedFile No: 7-85.44List of Drawings - Roll No. 34

<u>Drawing Number</u>	<u>Title</u>	<u>Type</u>
26	Girders	White Print
27	Girders Sections & Details	White Print
28	Girders Sections & Details	White Print
29	Girders Sections & Details	White Print
30	Horizontal Bracing	White Print
31	Deck Support Angle	White Print
32	Deck Support Angle	White Print
33	Bracing	White Print
34	Bracing	White Print
35	Bracing	White Print
36	Bracing	White Print
37	Bracing	White Print
38	Diaphragm at Pier	White Print
39	Road Drains	White Print
40	Field Bolts	White Print
-	Hold Down Proposal (2 Copies)	White Print
E30	Box Girders	White Print
E31	Box Girders - Sections - 1	White Print
E32	Box Girders - Sections - 2	White Print
E33	Box Girders - Details - 1	White Print
E34	Box Girders - Details - 2	White Print
E35	Box Girders - Details - 3	White Print
E36	Box Girders - Details and Camber	White Print
E37	Bearings and Anchor Plan	White Print
Westeel Drawing No. 46-9969		
1 of 1	Bridge Decking Stay in Place Concrete Deck Form	White Print

Packed in Box No. 3