

# **THE CORPORATION OF THE MUNICIPALITY OF TEMAGAMI**

## **BY-LAW NO. 13-1112**

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**Being a by-law to authorize the Mayor and Clerk to execute an agreement with MX Constructors Inc. for Temagami Waterfront Infrastructure Improvements Project.**

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**WHEREAS** under Section 8 (1) of the Municipal Act, 2001, S.O., 2001, c.25, as amended, the powers of a municipality under this or any other Act shall be interpreted broadly so as to confer broad authority on the municipality to enable the municipality to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues;

**AND WHEREAS** under Section 9 of the Municipal Act, 2001, S.O., 2001, c.25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other act;

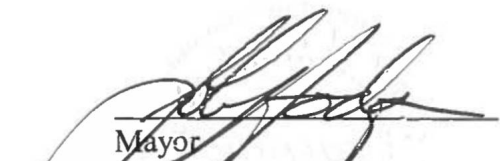
**AND WHEREAS** the Council of the Municipality of Temagami deems it desirable to enter into an agreement with MX Constructors Inc. for the construction of improvements to the waterfront and docks infrastructure by the Welcome Centre;

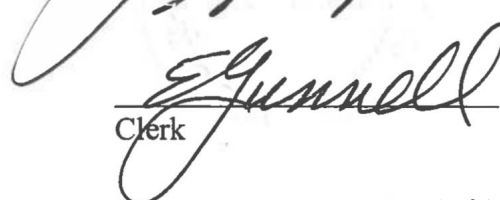
**NOW THEREFORE the Council of the Corporation of the Municipality of Temagami hereby enacts as follows:**

1. That the Mayor and Clerk are hereby authorized and directed to execute the agreement attached hereto as Schedule "A" and forming part of this bylaw.
2. That this bylaw shall come into force and take effect upon final passing thereof.
3. That the Clerk of the Municipality of Temagami is hereby authorized to make minor modifications or corrections of a grammatical or typographical nature to the by-law and schedule, after the passage of this by-law, where such modifications or corrections do not alter the intent of the by-law.

BE TAKEN AS READ A FIRST time on this 21<sup>st</sup> day of February 2013.

READ A SECOND AND THIRD time and finally passed this 21<sup>st</sup> day of February 2013.

  
Mayor

  
Clerk

**SCHEDULE “A” TO BY-LAW NO. 2013-1112**

**Agreement between**  
**The Corporation of the Municipality of Temagami**  
**and**  
**MX Constructors Inc.**  
**for the**  
**Construction of**  
**Waterfront Infrastructure Improvements Project**  
**at the**  
**Temagami Welcome Centre**

**FORM OF AGREEMENT**

THIS AGREEMENT made in duplicate this ^ day of February, 2013.

**BETWEEN: CORPORATION OF THE MUNICIPALITY OF TEMAGAMI**

(hereinafter called "the Owner")

**A N D: MX CONSTRUCTORS INC.**

(hereinafter called "the Contractor")

**WITNESSETH:**

THAT the Owner and the Contractor shall undertake and agree as follows:

**ARTICLE I:**

The Contractor will:

- (a) Provide the work as per the specifications and perform all the responsibilities of the contractor as set out in Request for Proposals (Appendix A) to the satisfaction of the Municipality; and
- (b) Do and fulfill everything indicated by this Agreement and in the Contractor's proposal (Appendix B); and
- (c) Complete all the work as per the schedule agreed to by the Municipality.

**ARTICLE II:**

The Owner will:

- (a) Pay the Contractor in lawful money of Canada for the material and services aforesaid the amount of Two Hundred and Three Thousand, Three Hundred Dollars (\$203,300.00) plus HST.
- (b) Make payment on account thereof upon progress billings at satisfactory completion of the work described above in stages as agreed upon by the Municipality and upon final completion of the project to the satisfaction of the Municipality.

**ARTICLE III:**

A copy of each of the documents described in Article I above are hereto annexed to this Form of Agreement and are made a part of this Contract as fully to all intents and purposes as though recited in full herein.

ARTICLE IV:

All communications in writing between the parties shall be deemed to have been received by the addressee if delivered to the individual or to a member of the firm or to an officer of the Owner for whom they are intended or if sent by post or telegram addressed as follows:

THE CONTRACTOR: MX CONSTRUCTORS INC,  
416 CHAMPAGNE RD.  
STURGEON FALLS, ONTARIO, P2B 3N5

THE OWNER: THE CORPORATION OF THE MUNICIPALITY OF TEMAGAMI,  
P.O. BOX 220, 7 LAKESHORE DRIVE,  
TEMAGAMI, ONTARIO, POH 2H0

IN WITNESS WHEREOF the parties have executed this Agreement the day and year first above written.

SIGNED AND SEALED IN )

THE PRESENCE OF

) MX CONSTRUCTORS INC.

)

)

)

)   
Contractor

)

)

)   
Witness

) (print name)

)

)

) CORPORATION OF THE MUNICIPALITY  
OF TEMAGAMI:

)

)

)

)   
Mayor

)

)

)   
Clerk

)

)

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(Seal)



THE CORPORATION OF THE  
MUNICIPALITY OF TEMAGAMI  
P.O. BOX 220  
TEMAGAMI, ONTARIO POH 2H0  
(705) 569-3421  
FAX: (705) 569-2834  
E-MAIL: [visit@temagami.ca](mailto:visit@temagami.ca)  
WEBSITE: [www.temagami.ca](http://www.temagami.ca)



## REQUEST FOR PROPOSAL

### WATERFRONT DOCKS PHASE 1

The Municipality of Temagami invites qualified bidders to submit proposals for the replacement of cribbing and decking on the Municipal waterfront docks.

#### **SPECIFICATIONS**

- The Contractor shall provide necessary manpower, tools and equipment to complete the work in accordance with the guidelines contained in this document.
- The Contractor shall excavate as necessary, remove existing cribbing and decking and replace five hundred and forty feet of filter cloth, new 8x8 timbers for cribbing and 3"x 8"x12' or similar decking.
- The Contractor shall place a solid face on the top five courses.
- The Contractor shall salvage as much decking as possible without jeopardizing the timelines of the project.
- The Contractor shall take all excavated material to the Strathy Landfill site except for any materials required to be re-used which can be stored behind the recycling bins on O'Connor Drive.

#### **MUNICIPALITY'S RESPONSIBILITIES**

- The Owner shall obtain all permits and / or approvals required for the project.
- The Owner shall provide all construction materials necessary for the proper completion of the work including aggregate, filter cloth, timbers and screws or nails.

#### **CONTRACTOR RESPONSIBILITIES**

- The Contractor shall only employ orderly, competent, and skilful workers to do the work.
- The Contractor shall provide the Municipality of Temagami with a copy of a Certificate of clearance indicating the Contractor's good standing with Workers Safety and Insurance Board.
- The Contractor shall provide proof of liability insurance of not less than \$5,000,000 naming the Municipality as an additional insured.
- In water work to be completed by March 31, 2013 or sooner.
- The Contractor will be responsible for any damage to landscape and shall rehabilitate such damage i.e. sod, trees.
- Entire project shall be complete no later than April 19, 2013
- Rehabilitate landscape no later than May 10, 2012, weather permitting.
- Contractor shall provide a timeline for work to be completed.

### **MANDATORY SITE VISIT**

A mandatory site visit has been arranged for January 24, 2013 commencing at 10:00 am at the Temagami Waterfront.

### **BID DEPOSITS**

Refundable bid deposits shall be required and will accompany bids as described below:

Bid Value	Deposit Required
\$50,000 or less	\$0.00
\$50,000 to \$100,000.	\$1,000.
\$100,000 to \$250,000.	\$5,000.

The form for bid deposits shall be certified cheque, bank draft, money order or bid bond issued by an approved Guarantee Company properly licensed in the province of Ontario, on Canadian Construction Documents Committee (CCDC) bond forms acceptable by the Municipality.

### **GENERAL**

Late submissions will not be accepted and will be returned to the bidder unopened.

Lowest or any proposal not necessarily accepted.

### **SUBMISSION**

Sealed proposals to be received no later than February 8, 2013 at 1:00 pm.

**Please submit sealed proposals to:**

The Corporation of the Municipality of Temagami  
7 Lakeshore Drive, P.O. Box 220  
Temagami, Ontario  
P0H 2H0

**Clearly marked "Waterfront Docks Phase 1"**

For more detailed information, please contact Mr. Barry Turcotte, Public Works Superintendent at 705 569-3272.

Bids will be opened shortly after closing and awarded shortly after their review.

**BID FORM**

**WELCOME CENTRE DOCKS PHASE 1**

Name of Contractor: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone Number: \_\_\_\_\_  
Price for Equipment,  
Operator(s) & Labour: \_\_\_\_\_  
T axes: \_\_\_\_\_  
Total Price: \_\_\_\_\_

**Proposed Project Timelines:**

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**Additional Comments:**

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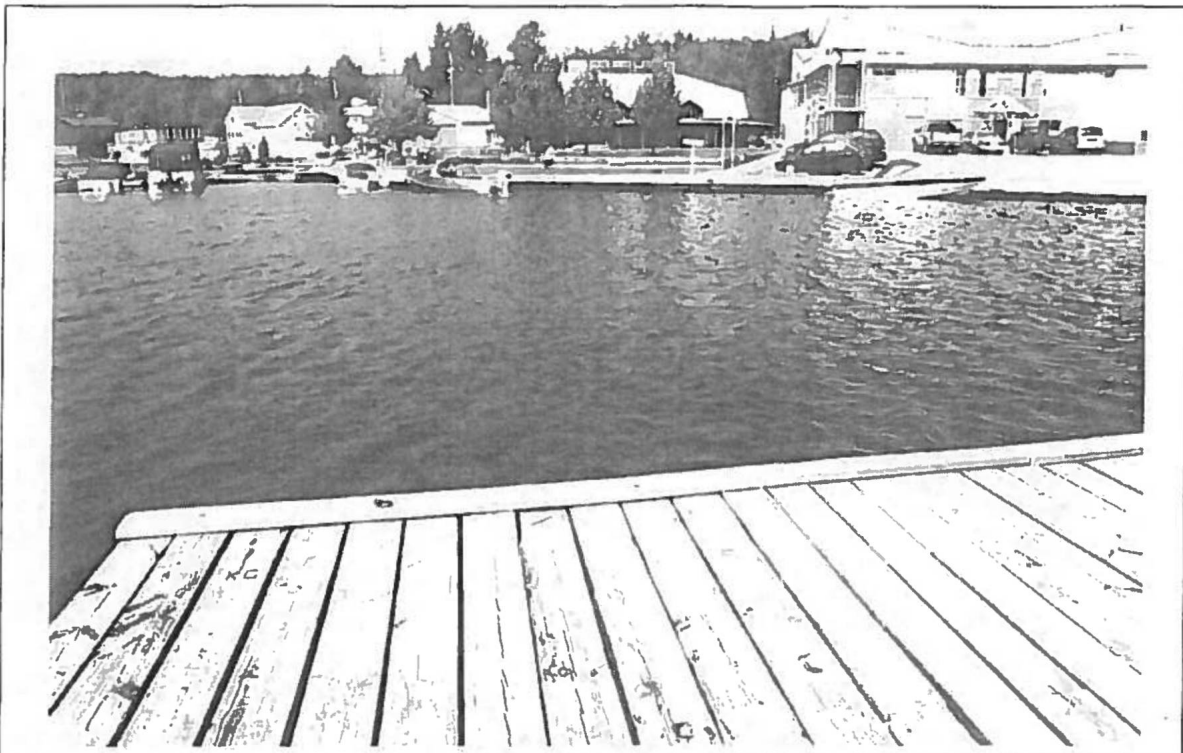
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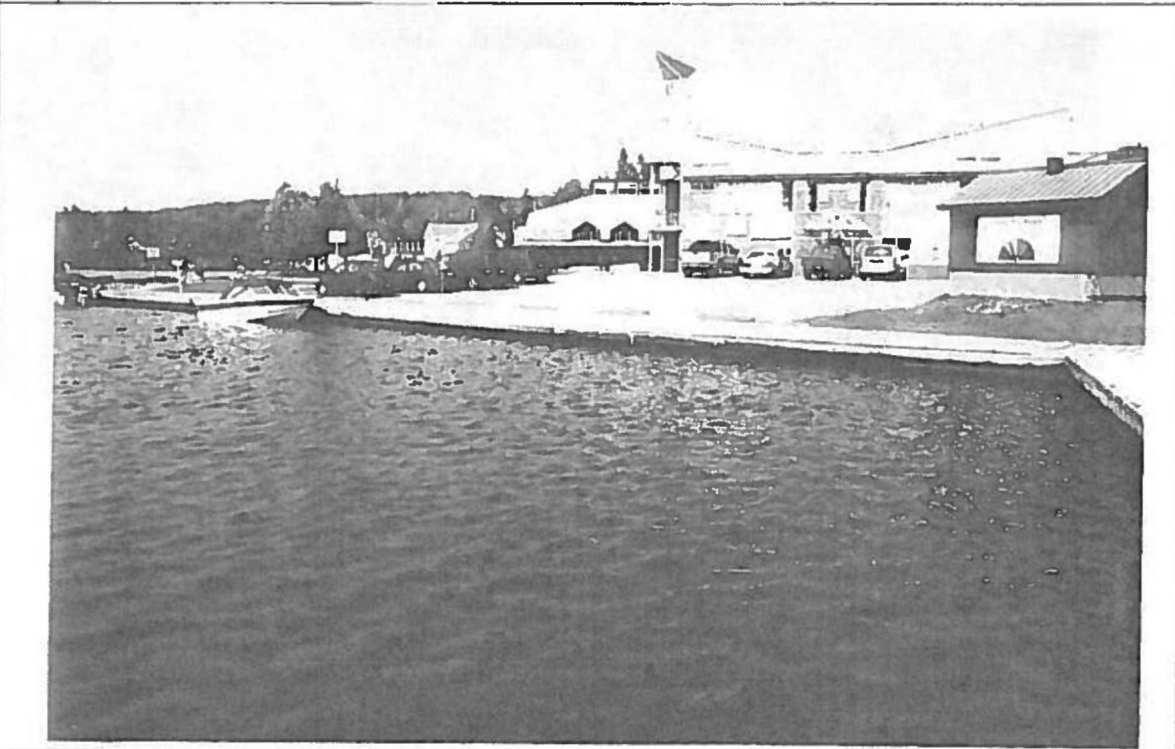
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Inner Harbour West Dock and Loading Dock from Inner Harbour East Dock



2

Inner Harbour Loading Dock and Entrance Dock from Inner Harbour East Dock





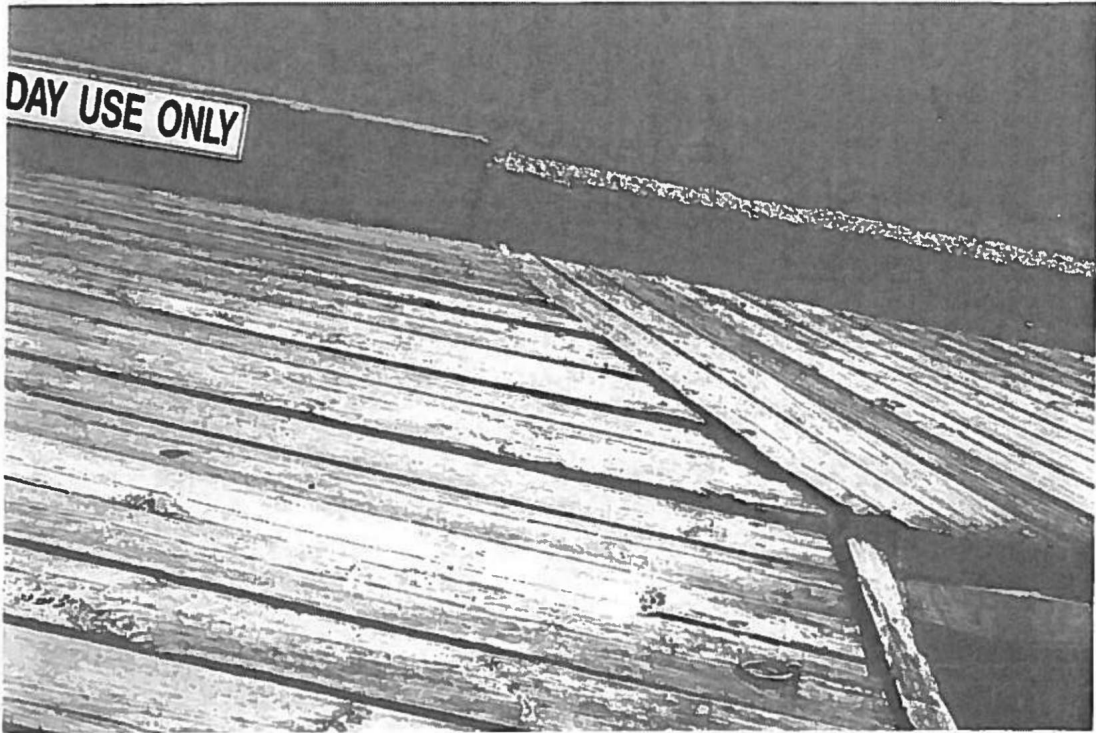
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Inner Harbour Loading Dock, Entrance Dock and North End of Inner Harbour East Dock



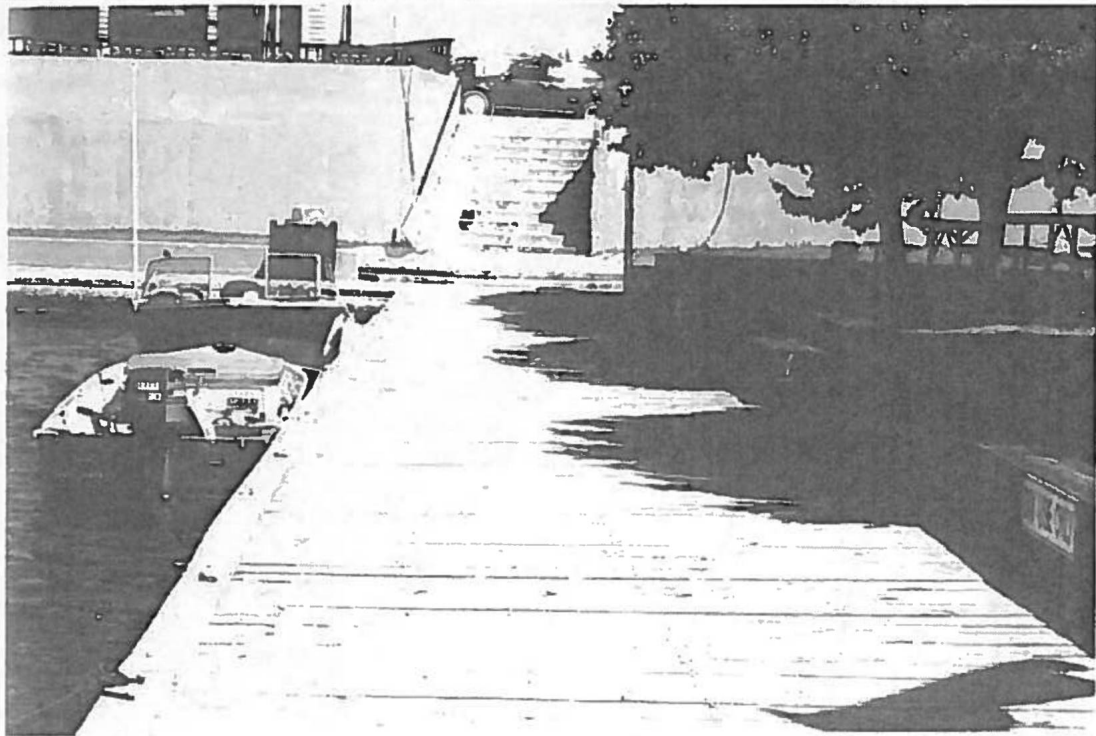
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Intersection of Inner Harbour West Dock and Loading Dock



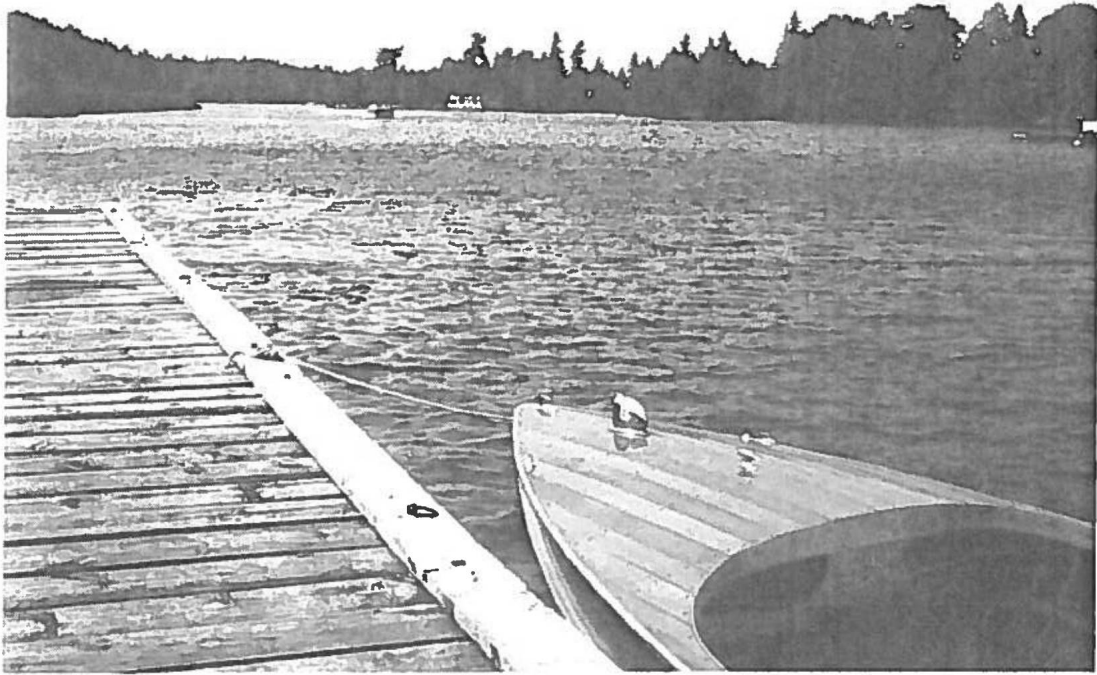
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Intersection of Inner Harbour Loading Dock and Entrance Dock



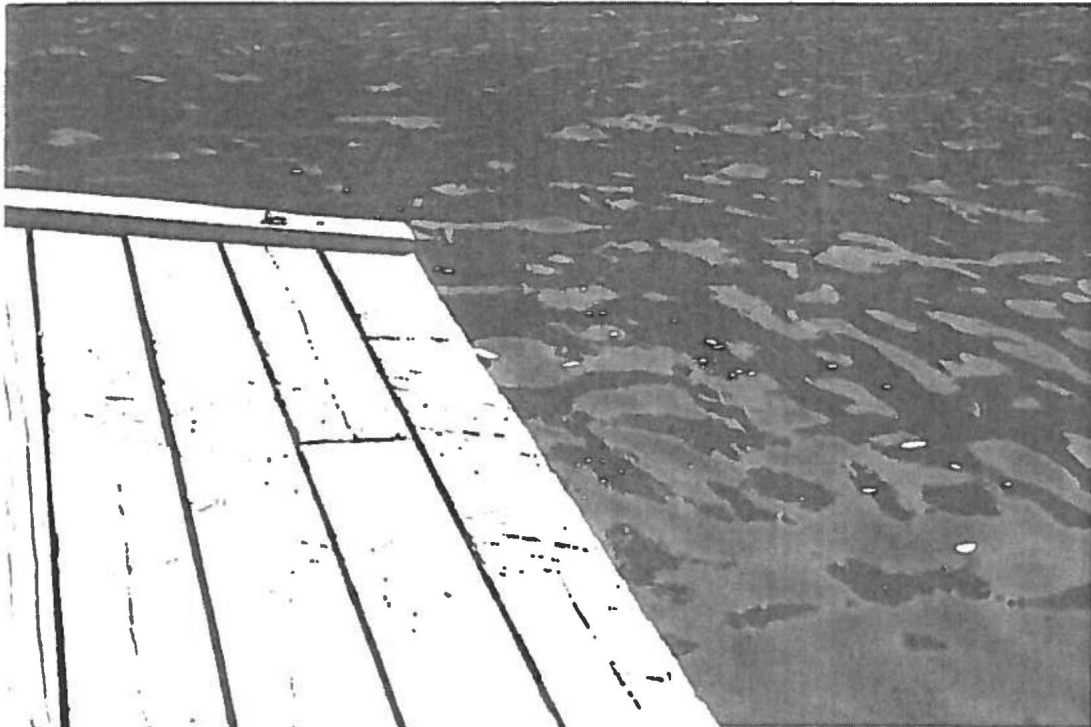
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North End of Inner Harbour East Dock



7

South End of Inner Harbour East Dock



8

South End of Inner Harbour Highway Dock





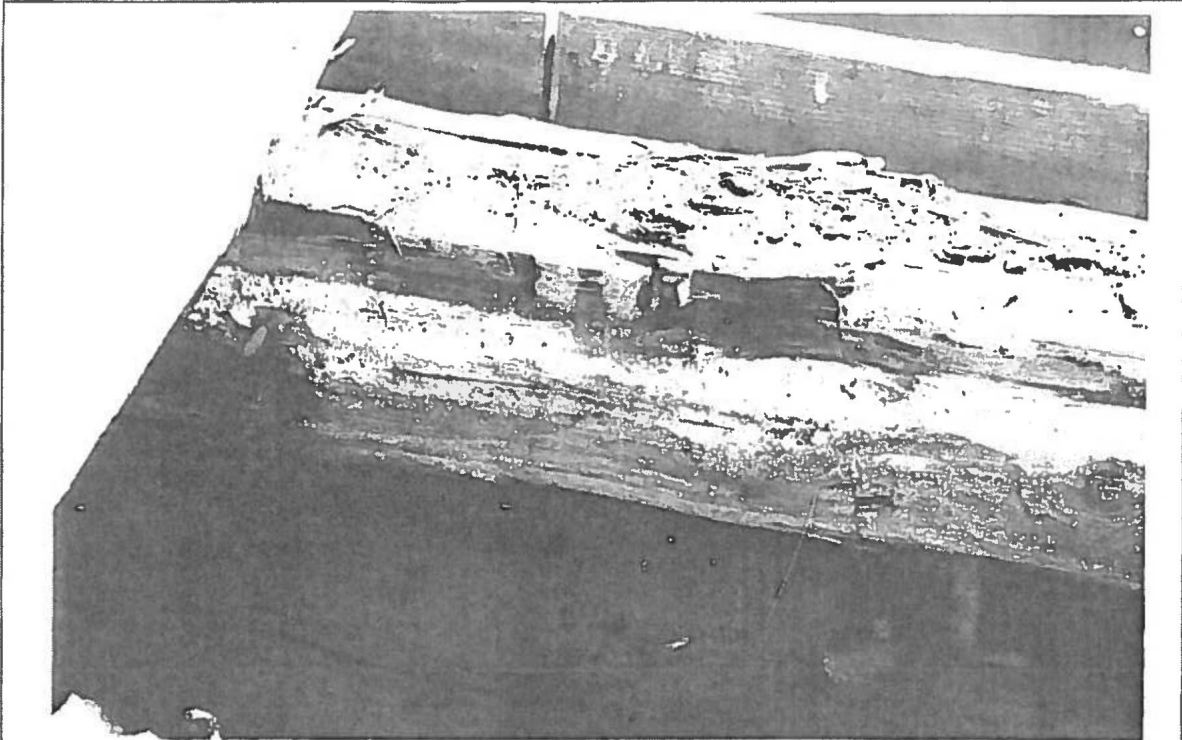
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South End of Inner Harbour Highway Dock



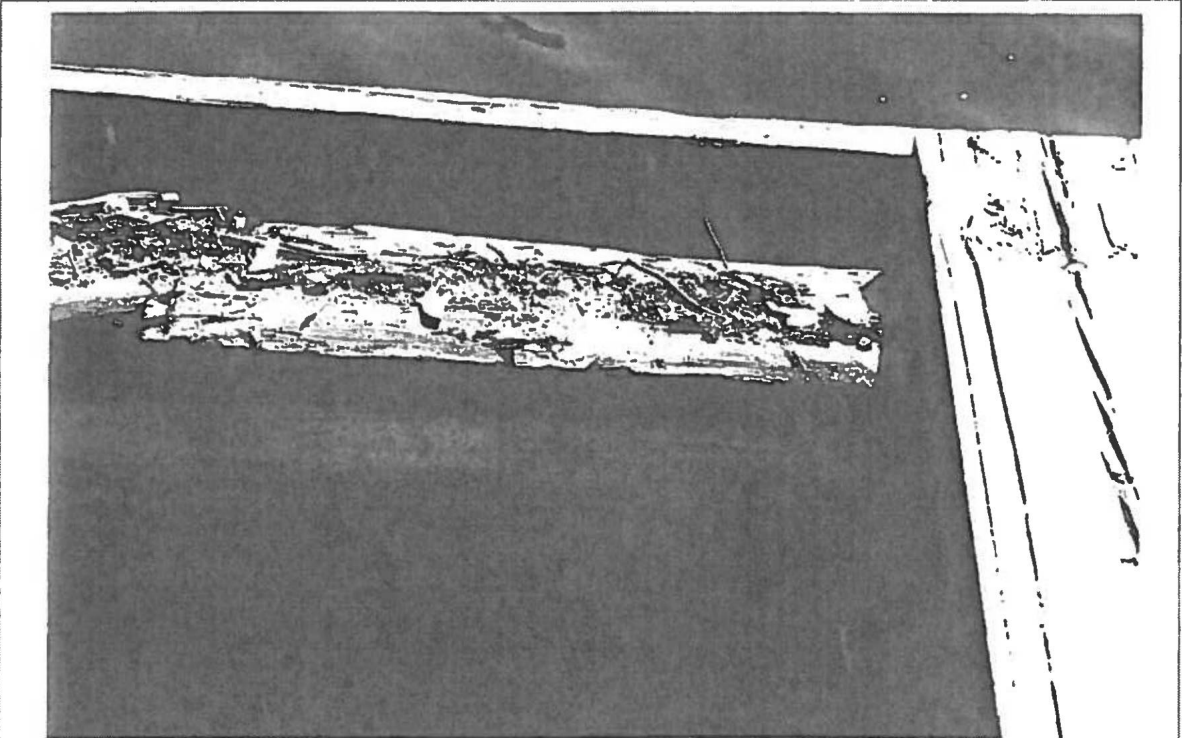
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South End of Inner Harbour Highway Dock



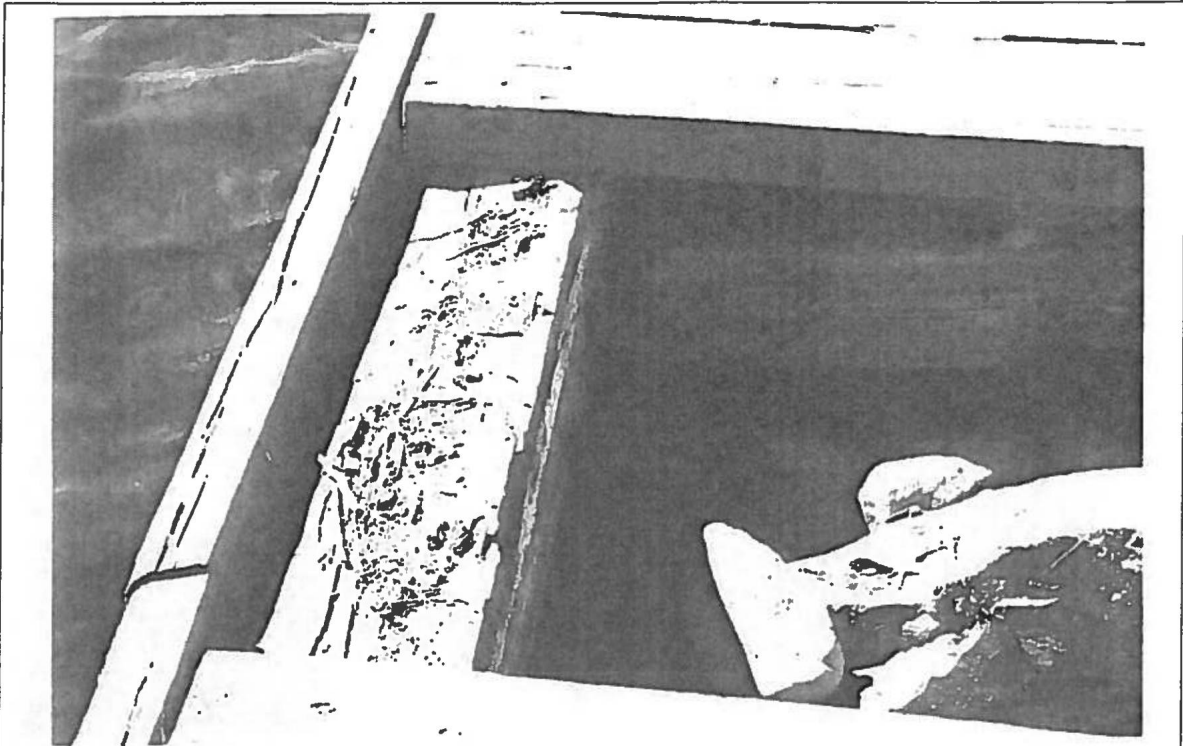
11

Typical Exposed Back Face of Water Side Support Wall



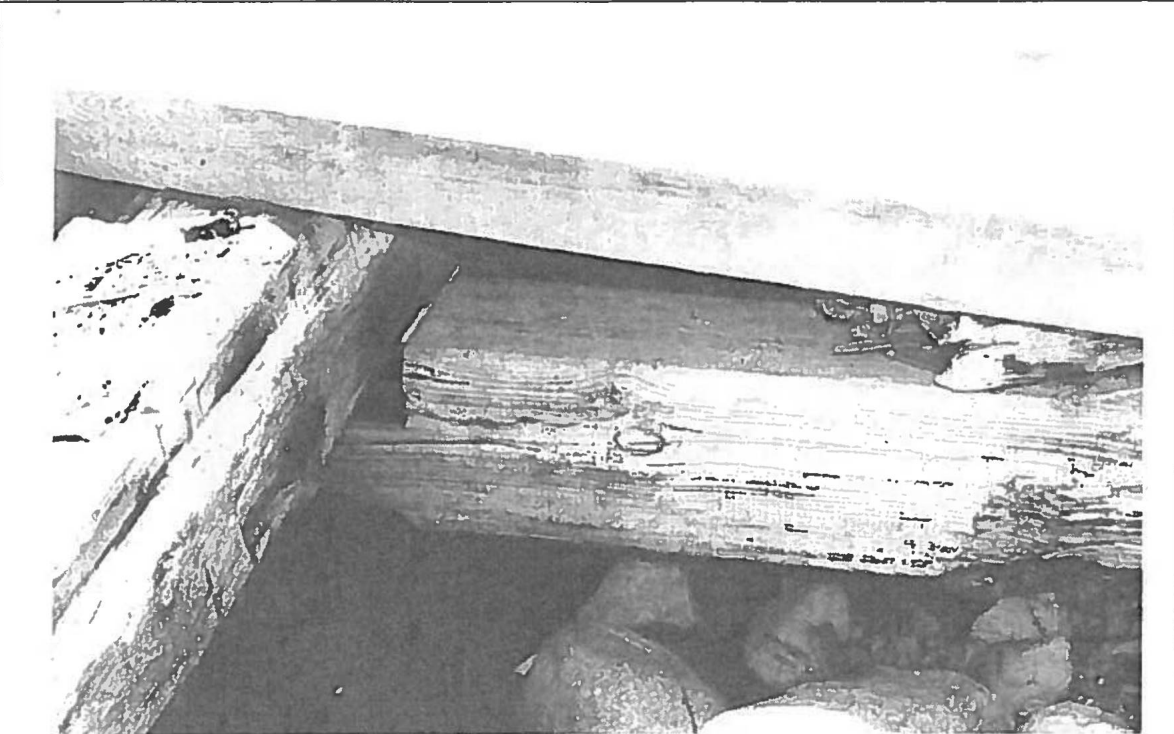
12

Typical Exposed Back Face of Water Side Support Wall



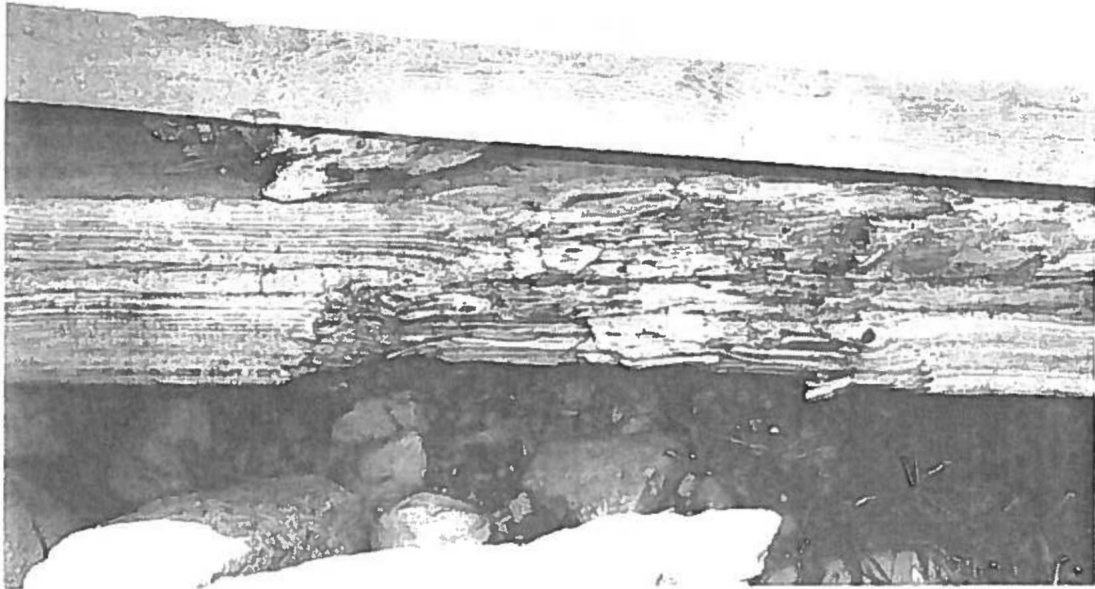
13

Typical Exposed Back Face of Water Side Support Wall and Cross Tie



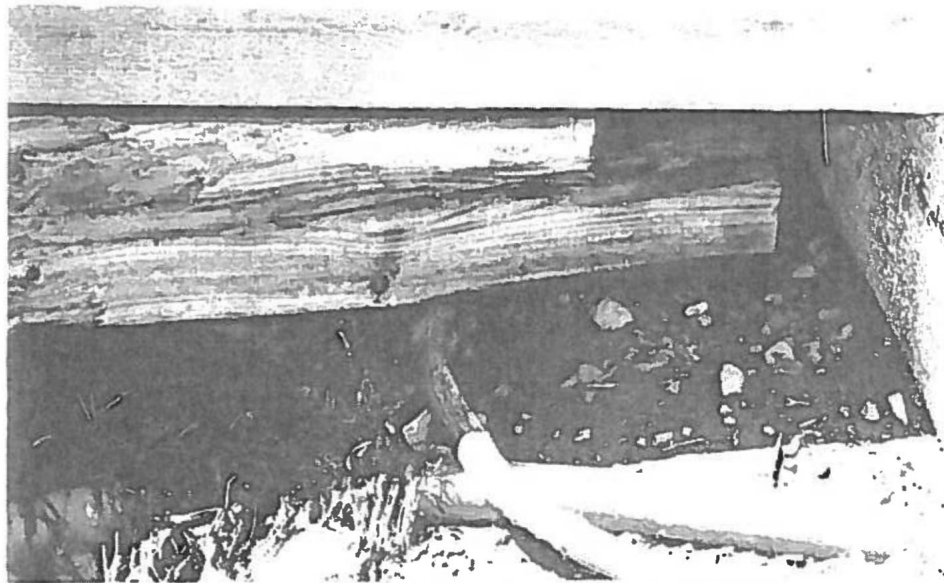
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Typical Exposed Water End Cross Tie



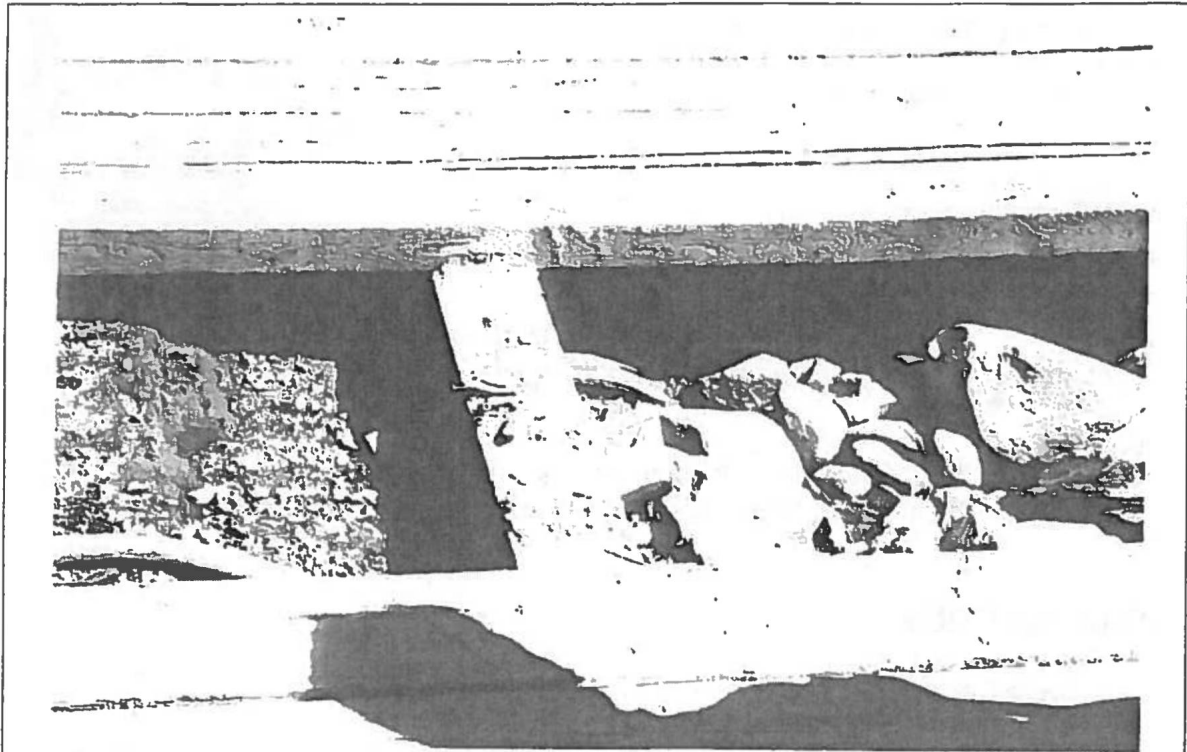
15

Typical Exposed Central Area of Cross Tie



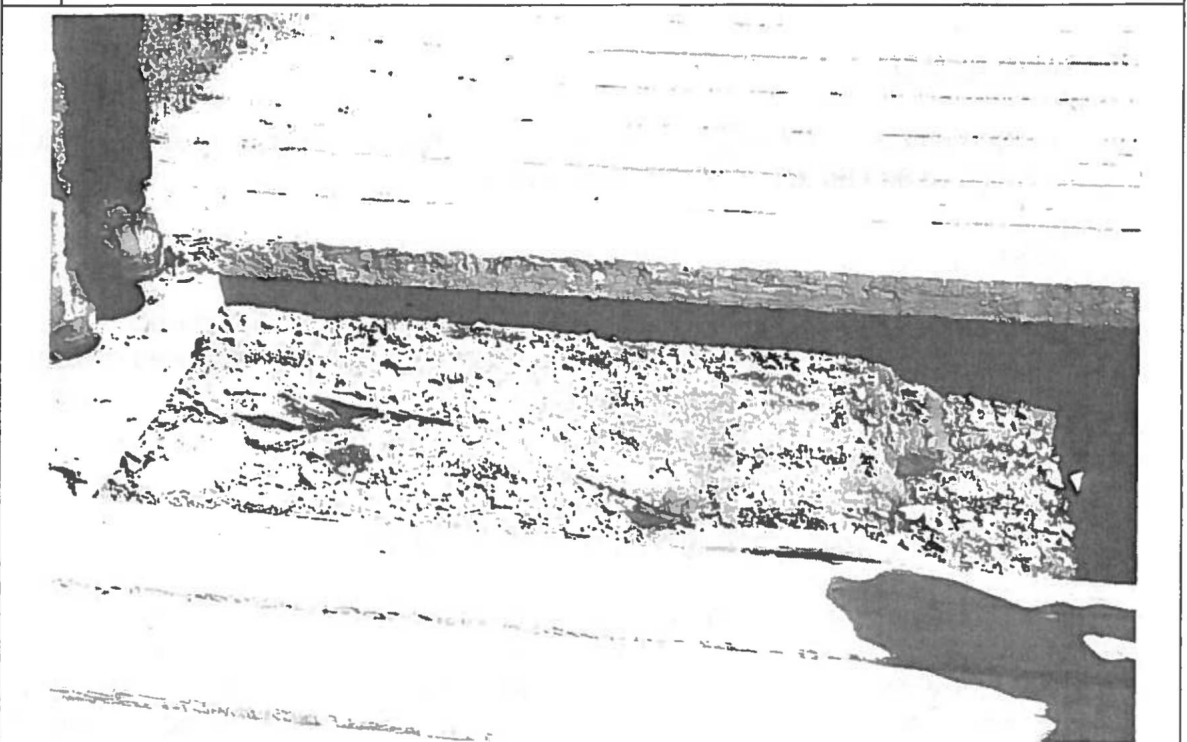
16

Typical Exposed Inland End Cross Tie



17

Typical Exposed Central Support Stringer



18

Typical Exposed Inland Support Stringer



THE CORPORATION OF THE  
MUNICIPALITY OF TEMAGAMI  
P.O. BOX 220  
TEMAGAMI, ONTARIO POH 2H0  
(705) 569-3421  
FAX: (705) 569-2834  
E-MAIL: [visit@temagami.ca](mailto:visit@temagami.ca)  
WEBSITE: [www.temagami.ca](http://www.temagami.ca)



## REQUEST FOR PROPOSAL WATERFRONT DOCKS PHASE 2

The Municipality of Temagami invites qualified bidders to submit proposals for the replacement of swim dock, retaining wall, bridge and install new lighting.

### **SPECIFICATIONS**

#### Swim Dock

The Contractor shall remove existing decking and replace with 105' x 35' of similar decking.

#### Retaining Wall

The Contractor shall remove and replace four hundred feet of retaining wall up to 5 high of 8x8 timbers with tie backs every 8'.

#### Bridge

The Contractor must provide design that meets Accessibility Standards.  
The Contractor shall remove and replace existing bridge with approved design.

#### Lighting

The Contractor must provide path lighting design.  
The Contractor shall install lighting with approved design.

- The Contractor shall provide necessary equipment to complete the work.
- The Contractor shall salvage as much decking and material as possible.
- The Contractor shall take all excavated material to the Strathy Landfill site except for any materials required to be re-used which can be stored behind the recycling bins on O'Connor Drive.

### **MUNICIPALITY'S RESPONSIBILITIES**

- The Owner shall obtain all permits and / or approvals required for the project.
- The Owner shall provide all construction materials necessary for the proper completion of the work including aggregate, filter cloth, timbers and screws or nails.

### **CONTRACTOR RESPONSIBILITIES**

- The Contractor shall only employ orderly, competent, and skilful workers to do the work.
- The Contractor shall provide the Municipality of Temagami with a copy of a Certificate of clearance indicating the Contractor's good standing with Workers Safety and Insurance Board.
- The Contractor shall provide proof of liability insurance of not less than \$5,000,000 naming the Municipality as an additional insured.
- The Contractor will be responsible for any damage to landscape and shall re habilitate such damage i.e. sod, trees.
- Entire project shall be complete no later than May 17, 2013
- Re habilitate landscape no later than June 1, 2013
- Contractor shall provide a timeline for work to be completed.

### **MANDATORY SITE VISIT**

A mandatory site visit has been arranged for January 24, 2013 commencing at 10:00 am at the Temagami Waterfront.

### **BID DEPOSITS**

Refundable bid deposits shall be required and will accompany bids as described below:

Bid Value	Deposit Required
\$50,000 or less	\$0.00
\$50,000 to \$100,000.	\$1,000.
\$100,000 to \$250,000.	\$5,000.

The form for bid deposits shall be certified cheque, bank draft, money order or bid bond issued by an approved Guarantee Company properly licensed in the province of Ontario, on Canadian Construction Documents Committee (CCDC) bond forms acceptable by the Municipality.

## **GENERAL**

Late submissions will not be accepted and will be returned to the bidder unopened.

Lowest or any other proposal not necessarily accepted.

The Municipality reserves the right to cancel the project prior to awarding.

The Municipality reserves the right to amend the scope of the project in consultation with the successful bidder.

This project is subject to budget availability.

## **SUBMISSION**

Sealed proposals to be received no later than February 8, 2013 at 1:00 pm.

### **Please submit sealed proposals to:**

The Corporation of the Municipality of Temagami  
7 Lakeshore Drive, P.O. Box 220  
Temagami, Ontario  
P0H2H0

### **Clearly marked "Waterfront Docks Phase 2"**

For more detailed information, please contact Mr. Barry Turcotte, Public Works Superintendent at 705 569-3272.

Bids will be opened shortly after closing and awarded shortly after their review.



**BID FORM**

**WELCOME CENTRE DOCKS PHASE 2**

Name of Contractor: \_\_\_\_\_

Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Price for Equipment,  
Operator(s) & Labour: \_\_\_\_\_

Taxes: \_\_\_\_\_

Total Price: \_\_\_\_\_

Proposed Project Timelines:

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Additional Comments:

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Note: Please include any additional pages if more space is required.



**Proposal for Waterfront Docks Phase 1**

**Between**

**The Municipality of Temagami**

**and**

**MX Constructors Inc.**

**Closing Date: February 8, 2013 at 1:00pm**

**Closing Location: The Corporation of the Municipality of Temagami  
7 Lakeshore Drive, P.O. Box 220  
Temagami, Ontario  
POH 2H0**



February 8, 2013

The Corporation of the Municipality of Temagami  
P.O. Box 220  
Temagami, Ontario POH 2H0

To Purchasing Department:

Please accept our proposal for the 'Waterfront Docks Phase 1', closing February 8, 2013 @ 1:00 pm.

Please find enclosed our:

- X Bid Bond
- X Bid Form
- 5 Lighting Design
- X Light Design Consultants Information
- X WSIB Certificate
- X Certificate of Insurance
- X MX Constructors Inc. Introduction
- X MX Constructors Inc. Health & Safety Statement
- X Project Experience

I thank you in advance for accepting and reviewing our proposal.

Sincerely,

Steve Morrison  
President

416 Champagne Rd.  
Sturgeon Falls, ON P2B 3N5  
Tel.: (705) 753-1500 Fax: (705) 753-1502

# **L'UNIQUE**

## **General Insurance**

### **BID BOND**

No. 5262-2

Bond Amount \$ **5,000.**

**MX Constructors** as Principal, hereinafter called the Principal, and **L'UNIQUE GENERAL INSURANCE INC.**, a corporation created and existing under the laws of **Quebec** and duly authorized to transact the business of Suretyship in **CANADA** as Surety, hereinafter called the Surety, are held and firmly bound unto **The Corporation of the Municipality of Temagami** as Obligee, hereinafter called the Obligee, in the amount of **Five Thousand-----** Dollars (**\$5,000.**) lawful money of Canada, for the payment of which sum the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally.

WHEREAS, the Principal has submitted a written tender to the Obligee, dated the **8th DAY OF February, 2013**, for **Water Front Docks - Phase 1 - Replace dock decking and install lighting**

The condition of this obligation is such that if the Principal shall have the bid accepted within the time period prescribed in the Obligee's bid documents, or, if no time period is specified in the Obligee's bid documents, within Sixty (60) days from the closing date as specified in the Obligee's bid documents, and the Principal enters into a formal contract and gives the specified security, then this obligation shall be void; otherwise, provided the Obligee takes all reasonable steps to mitigate the amount of such excess costs, the Principal and the Surety will pay to the Obligee the difference in money between the amount of the bid of the Principal and the amount for which the Obligee legally contracts with another party to perform the work if the latter amount be in excess of the former.

The Principal and the Surety shall not be liable for a greater sum than the Bond Amount.

It is a condition of this bond that any suit or action must be commenced within seven (7) months of the date of this Bond.

No right of action shall accrue hereunder to or for the use of any person or corporation other than the Obligee named herein, or the heirs, executors, administrators or successors of the Obligee.


IN WITNESS WHEREOF, the Principal and the Surety have Signed and Sealed this Bond this **6th** day of **February 2013**.

SIGNED and SEALED  
in the presence of

**MX Constructors Inc.**

 (seal)  
Signature

**L'UNIQUE GENERAL INSURANCE INC.**

 (Seal)  
**Jean-Luc Rivet**, Attorney-in-fact

CCDC 220 - 2002  
Endorsed by: CCDC SAC

# **L'UNIQUE**

**General Insurance**

**AGREEMENT TO BOND  
(Surety's Consent)  
(Financing Clause)**

BOND NO. 5262-2

OWNER OR OBLIGEE: **The Corporation of the Municipality of Texnagami**

DESCRIPTION OF PROJECT: **Water Front Docks Phase 1 - Replace dock decking and install lighting**

DATE OF TENDER: **February 8, 2013**

We the undersigned, hereby agree to become bound as Surety for

**MX Constructors Inc.**

(name of tenderer) in a Performance Bond in the sum of Fifty percent ( 50%) of the contract amount and a Labour & Material Payment Bond in the sum of **Fifty percent (50%)** of the contract amount, and conforming to the instruments of Contract for the full and due performance of the works shown and described herein, if the tender attached hereto is accepted by the Owner or Obligee within Sixty (60) days from the date of the tender.

This Agreement to Bond shall be null and void unless an application for the said bond(s) is made within 30 days following the award of the contract

Provided however, neither Principal nor Surety shall be bound hereunder unless Obligee prior to execution of the final contract bond(s) shall furnish evidence satisfactory to Principal and Surety that financing has been firmly committed to cover the entire cost of the project.

SIGNED, SEALED AND DATED this 6th day of **February, 2013**

**L'UNIQUE GENERAL INSURANCE INC.**

By-  (Seal)  
**Jean-Lup Rffet** (Attorney in Fact)

**BIP FORM**

**WELCOME CENTRE DOCKS PHASE 1**

Name of Contractor: MX Constructors Inc.

Address: 94 King street unit 13, Sturgeon Falls, Ontario P2B 2Z5

Phone Number (705) 753-1500

Price for Equipment,  
Operator(s) & Labour: \$31,850.00 (no lighting) \$136,850.00 (with supply and install of light)

Taxes: \$10,640.50 (no liRhing) \$17,790.50 (with liEhting)

Total Price: \$92,490.50 (no lighting) \$154,640.50 (with lighting)

Proposed Project Timelines:

Removal of existing deck and cribbing -14 days

Installation of new deck and cribbing -14 days

Installation of geotextile fabric -1 day

Installation of new dock hardware -1 day

Site restorations-2 days

Final clean up-1 day

Installation of light design -15 days

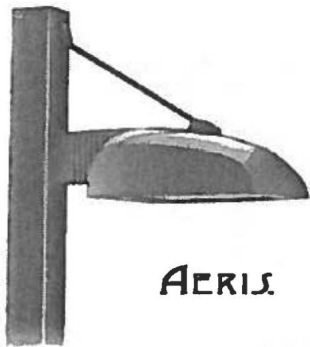
Total time-48 days

Additional Comments:

A schedule of the work with Start and finish date? will be provided once a commencement date has been determined-

Please see attached lighting design; lighting design includes swim dock lighting.





# AST1 LED LED Area Luminaire



DESIGNLIGHTS  
CONSOORTIUM



Catalog  
Number

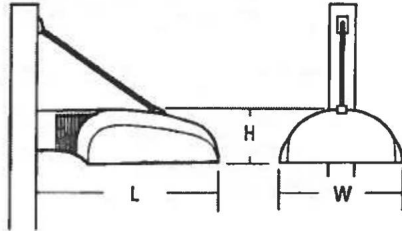
Notes

Type

AERIS

## Specifications

EPA:	0.7 ft <sup>2</sup> (0.07 m <sup>2</sup> )
Length:	22-1/4" (56.4 cm)
Width:	13" (33.0 cm)
Height:	6-3/8" (15.9 cm)
Weight (max):	33 lbs (148 kg)



## Introduction

The AERIS™ family combines sleek, fluid forms and crisp edges into a striking architectural aesthetic that can be echoed throughout entire sites.

The AST1 LED integrates the latest LED technology with the designer aesthetic of the AERIS™ family for stylish, high-performance illumination that lasts. The AST1 LED is ideal for replacing 100-250W metal halide in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

## Ordering Information

EXAMPLE: AST1 LED 1 63B350/40K SR5 MVOLT SPA DDBXD

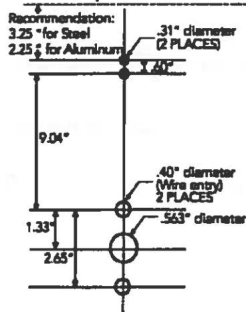
AST1 LED

Series	Light Engines	Performance Package <sup>1</sup>	Distribution Voltage	Mounting	Options	Finish + Add
ASH LED	1 One engine (49 or 63 LEDs)	350 mA options: 49B350/30K 3000K 49B350/40K 4000K 49B350/50K 5000K 63B350/30K 3000K 63B350/40K 4000K 63B350/50K 5000K  530 mA options: 63B530/30K 3000K 63B530/40K 4000K 63B530/50K 5000K	SR2 TypeH 5R3 TypeH 5R4 Type IV 5R5 TypeV	MVOLT <sup>1</sup> no <sup>1</sup> 208 <sup>1</sup> 240 <sup>1</sup> 277 <sup>1</sup> 347 480	Shipped Included SPA Square pole mounting RPA Round pole mounting WBA Was bracket  Shipped Installed 5F Single fuse (12a 277,347V) <sup>1</sup> DF Double fuse (20a 24a 480V) <sup>1</sup> DMG 0-10V dimming driver (no controls) <sup>1</sup> DR Diffusing lens  Shipped separately VG Vandal guard <sup>1</sup>	DDBXD Dark bronze DBIXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLFXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

## Drilling

### Template #12

#### Top of Pole



## Accessories

Ordered and shipped separately

AST1G U

VandilgartaaKsart

The AST1 to i unique doling patteni SpedfyWerfri<sup>1</sup>prtemwtaipetfy-  
iag pda, per tte trite bet<sup>1</sup>

DMIUST1 lit KT Dieufn Sattar  
DIBIUTI ntw DM38AST1 3 It ST  
OII4UBT1 UtW DK32A8T1 3st12tr<sup>1</sup>

Erwnpfo: 8SA 20 4C DM10AST1 DDBXD

• For round pole mounting (8W only).

Volt Uthofna Uohtinpi POLES CENTRAL to im cur wide selection of poles,  
accessories and educational tools.

## NOTES

- 1 Configured with 400QK (40K) provides the shortest lead times. Consult factory for 3000K (30K) and 5000K (50K) lead time.
  - 2 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120,208,240 or 277 options only when ordering with fusing (SF, OF options).
  - 3 Single fuse (SF) requires 120,277 or 347 voltage option. Double fuse (DF) requires 208,240 or 480 voltage option.
  - 4 Not available with 347 or 480V.
- S Also available as a separate accessory; see Accessories information at left.



One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • Fax: 770.918.1209 • www.iithon'a.com  
C 2011-2012 Acuity Brands Lighting, Inc. All rights reserved



## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

Light Engines	Drive Voltage (V)	Power (W)	Lumen (lm)	lm/W	4000K, 67 Tm				
					1 hr	2 hr	3 hr	4 hr	5 hr
1 («LIM)	350	49835QM	59W	5060	1	0	1	86	
					1	0	1	79	
					1	0	1	77	
					2	0	1	at	
1 (63LH1)	350	6313S0/-K	75W	6106	1	0	1	81	
					1	0	1	84	
					1	0	1	83	
					3	0	1	as	
	530	63B530/-K	109W	8022	2	0	2	74	
					2	0	2	75	
					2	0	2	75	
					3	0	1	71	

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from (M°C (32-104°F)).

Ambient	Lumen Multiplier
0°C	1.02
10%	1.01
25%	1.00
30%	1.00
40%	0.99

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the ASH LED 1 633530 platform in a 40°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-BO-01 and projected per IESNA TM-21-11)

To calculate ILF, use the lumen maintenance factor that corresponds to the desired number of operating hours. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.95	0.92	0.87

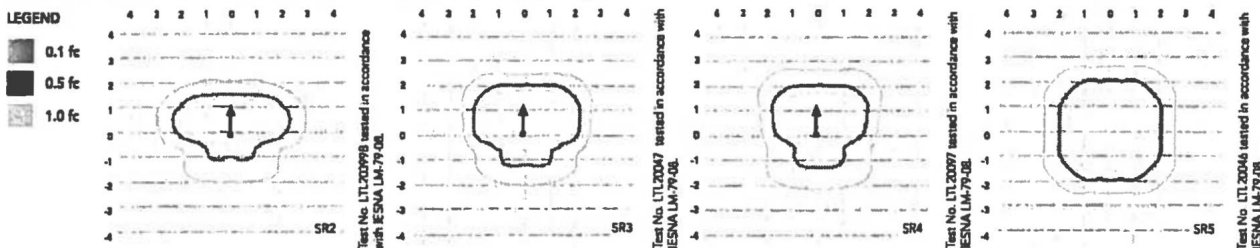
### Electrical Load

Light Engines	Drive Voltage (V)	System Watt	Current (A)					
			120	201	240	277	347	400
1(49)	350	59W	155	0.1	0.27	0.24	119	IN
1(0)	350	75W	OH	0.40	135	OJO	024	117
	530	109W	U1	1+	050	144	0J5	025

## Photometric Diagrams J

To see complete photometric reports or download .ies files for this product; visit Lithonia Lighting's AST1 LED homepage.

Isofootcandle plots for the AST1 LED 1 63B530/40K. Distances are in units of mounting height (20)



## FEATURES & SPECIFICATIONS

### INTENDED USE

The energy savings and long life of the AST1 LED area luminaire make it a reliable choice for Ruminating streets, walkways, parking lots, and surrounding areas.

### CONSTRUCTION

Single-piece die-cast aluminum housing with nominal wall thickness of .012". Die-cast doorframe has impact-resistant tempered glass lens (3/16" thick). Doorframe is fully gasketed with one-piece tubular silicone. Decorative strut is comprised of an aluminum tension rod and is provided as an architectural element; not designed to bear weight

### ANISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mil thickness for a finish that can withstand extreme climate changes without cracking or peeling.

### OPTICS

Precision-molded refractive acrylic optics housed behind the door frame lens are available in four distributions. Light engines are available in standard 4000K (67 CRI) or optional 3000K (SO CRI) or 5000K (67 CRI) configurations. The AST1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine consists of 49 or 63 high-efficiency LEDs mounted in a metal-core circuit board and aluminum heat sink, ensuring optimal thermal management and long life. Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Easily-serviceable surge protection device meets a minimum Category C Low for operation per ANSI/IEEE C62.41.2).

### INSTALLATION

Integral arm provides easy installation to a pole and assists in alignment and leveling. Decorative strut requires luminaire to mount 9.64" lower than specified pole height; additional backing plate and receiver provided to mount tension rod.

### LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. U.S. Patent No. D447.590. Canada Patent No. 94324.

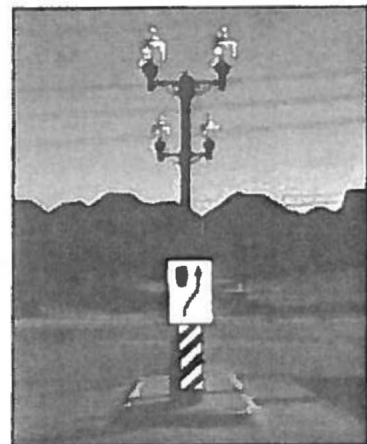
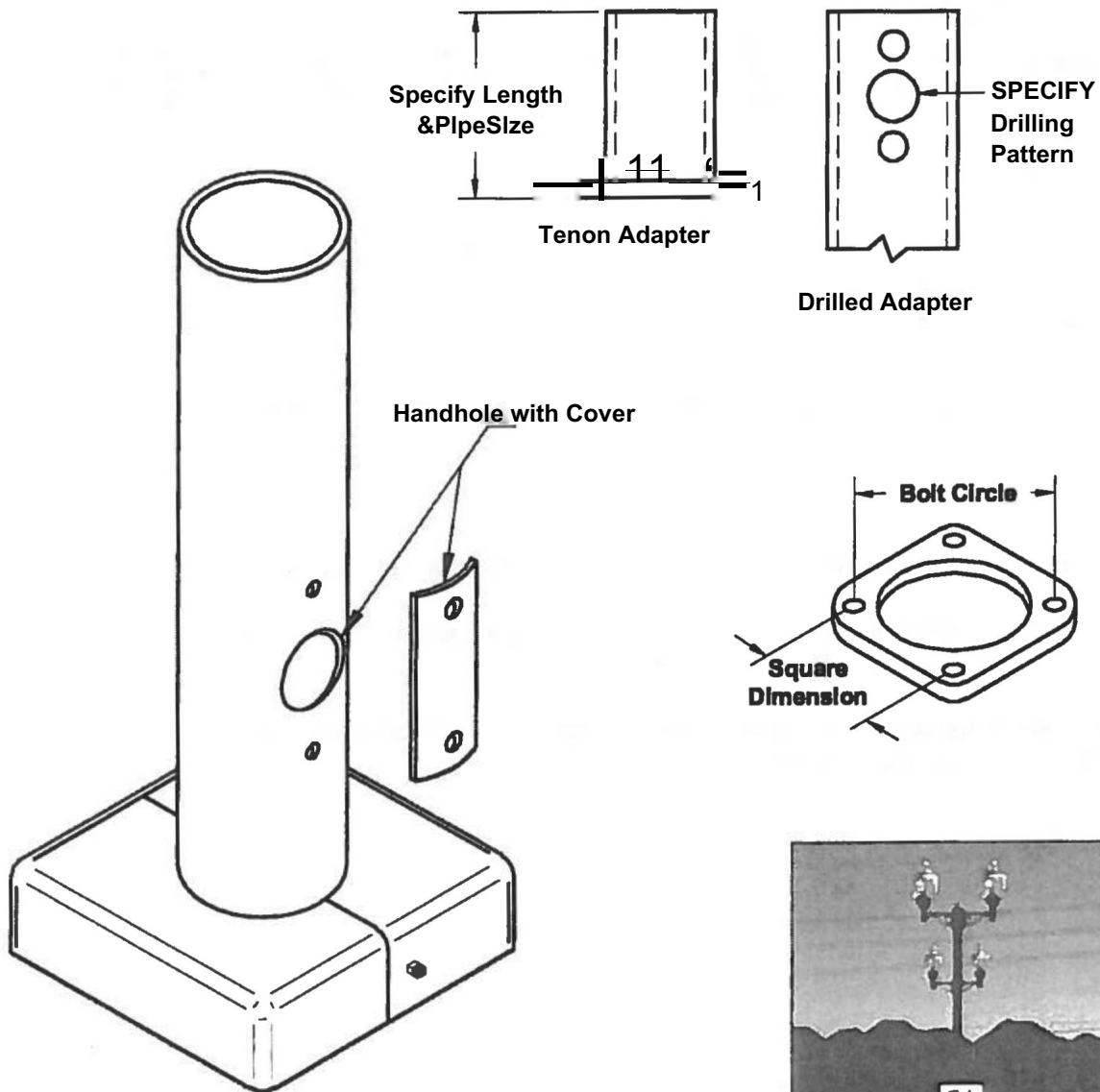
### WARRANTY

Ave year limited warranty. Full warranty terms located at [www.acuitybrands.com/CustomerResources/TermsandConditions.aspx](http://www.acuitybrands.com/CustomerResources/TermsandConditions.aspx).

Notes Specifications subject to change without notice.

## SERIES SRAL 4 SPECIFICATIONS^

Straight Round Aluminum Lighting Pole: Surface Mounted ^



NOTE: Drawings are Pictorial Only

[aluminous.com](http://aluminous.com)

**ALUMINOUS**  
LIGHTING PRODUCTS

## SERIES SRAL 4 SPECIFICATIONS gJJ

Straight Round Aluminum Lighting Pole: Surface Mounted

### 4" DIAMETER

Catalogue Number	Tube Size (inches)	Mounting Height (Feet)	Weight (Lbs)	Anchor Bolt Die. (inches)	BCD (inches)	Maximum EPA® 80 MPH
SRAL408	4	8	80	3/4	8	12
SRAL4-10	4	10	84	3/4	8	10
SRAL4-12	4	12	95	3/4	8	8
SRAL4-15	4	15	110	3/4	8	6.5
SRAL4-18	4	18	130	3/4	8	5
SRAL4-20	4	20	142	3/4	8	4

### NOTES:

All poles are complete with tenon or drilled one side (please specify with detail).

All poles are complete with top cap, hand hole cover and galvanized steel anchor bolts (c/w 2 nuts, 2 washers) and base cover.

Poles are Polyester coated Standard Black or Dark Bronze. All other colours and galvanized subject to additional charges.

Material: Base Plate and Anchor

Bolts - 44 kpsi Min. Yield

Shaft - 33 kpsi Min. Yield

Anchor Bolt Projection: 3-4 inches

Concrete Min. Yield: 3500 psi

Welding Conforms to CSA W47.1 and W47.2

ALUM



Piotrowski Consultants Ltd.  
Mechanical / Electrical  
Consulting Engineers

### History of the Firm

The firm was established in North Bay in 1956. Since inception, the reputation and area of operation has expanded throughout Northern Ontario. The firm is actively involved throughout Northern Ontario including: Bracebridge, Cochrane, Elliot Lake, Fort Frances, Haliburton, Hearst, Huntsville, Gravenhurst, Kapuskasing, Kirkland Lake, Parry Sound, Petawawa, Rainy River, Temagami, Thunder Bay, Timmins, Sault Ste. Marie, Sudbury and Hudson Bay areas. Piotrowski Consultants Ltd. has completed over 5500 mechanical and electrical engineering projects of various sizes including schools, industrial, commercial, institutional, federal and civic structures, arenas and sport complexes.

### Design Philosophy

The design philosophy at Piotrowski Consultants Ltd. is to provide engineering services that utilize up-to-date and proven technologies and best engineering practices that are required for our environment in Northern Ontario.

We strive to provide cost effective, energy efficient and low maintenance designs that satisfy all customer expectations and budget requirements.

We are a local firm that prides itself on customer service and client satisfaction and have a reputation of maintaining good communication and cooperation between the design team, client and contractors through all construction phases.

With all work done in-house (without the use of subcontractors or satellite offices), we are able to consistently provide highly detailed, coordinated, clean and concise contract documents.

**Mechanical Engineering Consulting Services**

- Heating, Ventilating and Air Conditioning Systems
- Building Control Systems
- Outside Services: Water, Sewer and Fire Lines
- Refrigeration Systems
- District Heating & Central Cooling Plants: Steam, Medium and High Temp Hydronic
- Plumbing Systems
- Fire Protection Systems
- Combustion Equipment Application and Analysis
- Energy Recovery Systems
- Mechanical Systems Testing and Evaluation
- Function Systems Reviews
- Feasibility Studies

**Electrical Engineering Consulting Services**

- Power Distribution (indoor & outdoor transmission)
- Indoor and Outdoor Lighting Design
- Communications and Sound Distribution
- Fire Alarm Systems
- Security Camera Systems, Intrusion Alarm and Access Control Systems
- Staff Duress Systems
- Emergency Generators
- UPS and Computer Room Distribution Systems
- Roadway, Sports Arena, Auditorium and Other Specialty Lighting
- LEED Lighting Calculations and Analysis
- Automatic Lighting Control and Daylight Harvesting
- Energy Management and Monitoring Systems
- Facility Energy Audits and Feasibility Studies
- Function Systems Reviews

## STATEMENT OF APPROACH

The following statement of approach is a detailed outline of the typical methodology Piotrowski Consultants Ltd. will follow during the course of typical projects.

### Schematic Design / Design Development

During the design development stages, we will be providing a design brief, detailing the proposed mechanical and electrical systems for the specific project including design parameters used and operational information. In the development of this design brief, Piotrowski Consultants Ltd. will meet with our client, and will also review the functionality and programming to ensure all requirements are provided for.

In the selection of the major systems, we will ensure they are suitable for installation in northern climate in Northern Ontario, with emphasis on a simple and effective design that is economical, efficient and easy to maintain. To aid in the equipment selection process, a cost/benefit analysis will be completed for some of the major systems and components.

### Preparation of Construction Documents

In preparation for the project tender, we will be finalizing all design details and equipment specifications and incorporating all requirements. During this stage, special attention will be made to ensure a detailed set of construction documents are prepared that are clear, concise and well coordinated. In the final selection of equipment, we will equally consider the construction budget, energy and efficiency, maintenance, sustainability and serviceability.

Specific equipment will be sourced locally, where possible, and a package of information and cut sheets will be made available for client review.

### Tender Process

During the tendering process, Piotrowski Consultants Ltd. will review and respond to all questions that are within our scope of work. We will also assist in the prequalification of mechanical and electrical contractors, as well as in the evaluation of the tender.



#### Post Tender/ Construction

During the construction phase of the project, we will review and monitor the progress of the construction, and will be attending site meetings and providing site reports on a regular basis.

In addition to the services and steps detailed above, we will draw on years of experience and are committed to providing all that is necessary to see a successful completion of the project. We are generally available to begin work immediately on any project as needed and have the resources and experience required to complete projects on time and on budget.

#### Staff

Thomas Krajci, M.E.Sc., P.Eng., President  
Designated Consulting Engineer, Partner

Stefan Krajci, P.Eng., Vice-President  
Designated Consulting Engineer

Jerzy Bak, P.Eng., Vice-President  
Designated Consulting Engineer, Partner

Robert Suppa, P.Eng.  
Electrical Engineer, Partner

The present staff of fourteen is comprised of five professional engineers, three of whom are designated consulting engineers, two engineers-in-training, two technologists, two technicians and three support staff. All design, drafting, specification writing, reports, and tender documents are prepared on the premises.



### Key Personnel - Dedicated to the Project

Robert Suppa, P.Eng. - Partner-in-charge - Electrical

Rob will be lead electrical engineer and will be the main point of contact.

Rob is an electrical engineer with extensive experience in a variety of construction projects. His insightful and practical approach to managing engineering projects ensures continuity of service, from systems design and coordination through to construction and project supervision.

Tom Krajci, P.Eng. - Partner-in-charge - Mechanical

Tom will be lead mechanical engineer and will serve as a backup project manager it needed to ensure the project stays on schedule.

Tom is a project engineer with substantial experience in both large and small projects located throughout Northern Ontario. His leadership, experience and dedication will be a valuable addition to the overall team.

Brenden Wendover, E.I.T. - Mechanical

Brenden has been working with Piotrowski Consultants Ltd. since 2009, and has been involved in the design of several projects, as well as many renovations. His commitment and attention to detail ensures that clients receive the high level standard of service they've come to expect from Piotrowski Consultants Ltd.

Kevin Woods, E.I.T. - Mechanical

Kevin has been working with Piotrowski Consultants Ltd. since 2011 and has been involved in design, functional reviews and energy audits of numerous buildings. Kevin is in the application process of obtaining his Professional Engineering P.Eng designation.

#### Recent Awards and Recognition

In association with H.H. Angus and Associates Ltd., Piotrowski Consultants Ltd. received a 2011 Award of Merit for Building Engineering and Science from the Consulting Engineers of Ontario for the design and construction of the new North Bay Regional Health Centre.

Piotrowski Consultants Ltd. has received special recognition from Union Gas for our support and participation in the Union Gas EnerSmart Program. With our guidance and expertise, we have assisted many customers in accessing incentives, as well as reducing energy consumption and greenhouse gas emissions.

Through our involvement with Ontario Power Authority in the Electricity Retrofit Incentive Program, we have help many clients upgrade to newer efficient lighting technologies, lowering consumption hydro load while accessing over three hundred thousand dollars in incentive funding.

**Clearance Certificate / Certificat de décharge**

Contractor Legal / Trade Name/ Appellation commerciale ou raison sociale de (l'entrepreneur	Contractor Address / Adresse de (l'entrepreneur	Contractor Classification Unit and Description / Unité de classification de (l'entrepreneur et description	Principal Legal / Trade Name/ Appellation commerciale ou raison sociale de l'entrepreneur principal	Principal Address / Adresse de l'entrepreneur principal	Clearance Certificate Number / Numéro du certificat de décharge	Validity period (dd- mmm-yyyy) / Période de validité (jj/mm/aaaa)
MX CONSTRUCTORS INC.	94 KING ST UNIT 13, STURGEON FALLS, ON, P2B 2Z5, CAN	4011-099: HOMEBUILDING OPERATIONS 4121-001: HIGHWAYS/STREETS /SMALL BRIDGES 4021-099: INDUSTRIAL, COMM/CONSTRUCTI ON 4591-001: HIGHWAY/STREET MAINTENANCE	THE CORPORATION OF THE MUNICIPALITY OF TEMAGAMI	PO BOX 220, TEMAGAMI, ON, P0H 2H0, CAN	E20000029E6Z	06-Feb-2013 to 19- Feb-2013

<b>CSIO</b>		<b>CERTIFICATE OF INSURANCE</b>		DATE (YY/MM/DD) <b>13/02/07</b>																															
<b>BROKER J.G. Rivet Brokers Ltd</b> 229 Main Street, Unit 1 Sturgeon Falls, ON P2B1P5			This certificate is issued as a matter of information only and confers no rights upon the certificate holder. This certificate does not amend, extend or alter the coverage afforded by the policies below.																																
BROKER'S CLIENT ID: <b>MXCON-1</b>			<b>COMPANIES AFFORDING COVERAGE</b> eoMPANv <small>INTEGRITY Insurance Company</small> <b>A</b> COMPANY <b>B</b> COMPANY <b>C</b> COMPANY <b>D</b>																																
<b>INSURED'S FULL NAME AND MAILING ADDRESS</b> <b>MX Constructors Inc.</b> 94 King St., Unit #13 Sturgeon Falls, ON P2B 2Z5			<b>COVERAGES</b> This is to certify that the policies of Insurance listed below have been issued to the insured named above for the policy period indicated, notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate may be issued or may pertain. The Insurance afforded by the policies described hereto is subject to all the terms, exclusions and conditions of such policies. <b>LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.</b>																																
TYPE OF INSURANCE	CO LTR	POLICY NUMBER	POLICY EFFECTIVE DATE (YY/MM/DD)	POLICY EXPIRATION DATE (YY/MM/DD)	LIMITS OF LIABILITY <small>(Canadian dollars unless indicated otherwise)</small>																														
<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS MADE OR [X] OCCURRENCE <input checked="" type="checkbox"/> PRODUCTS AND SERVICES OR COMPLETED OPERATIONS <input type="checkbox"/> EMPLOYERS' LIABILITY <input checked="" type="checkbox"/> CROSS LIABILITY <input checked="" type="checkbox"/> TENANT'S LEGAL LIABILITY <input checked="" type="checkbox"/> NONOWNED <input type="checkbox"/> 2) HIRED <input type="checkbox"/> POLLUTION LIABILITY EXTENSION	A	501239375	12/05/05	13/05/05	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>EACH OCCURRENCE</td><td style="text-align: right;">9</td><td style="text-align: right;">5000000</td></tr> <tr><td>GENERAL AGGREGATE</td><td style="text-align: right;">9</td><td style="text-align: right;">5000000</td></tr> <tr><td>PRODUCTS - COM/OP AGG</td><td style="text-align: right;">9</td><td style="text-align: right;">5000000</td></tr> <tr><td>PERSONAL INJURY</td><td style="text-align: right;">9</td><td style="text-align: right;">5000000</td></tr> <tr><td>TENANTS LEGAL LIABILITY</td><td style="text-align: right;">9</td><td style="text-align: right;">500000</td></tr> <tr><td>MED EXP (Any one person)</td><td style="text-align: right;">9</td><td style="text-align: right;">10000</td></tr> <tr><td>NON-OWNED AUTO</td><td style="text-align: right;">9</td><td style="text-align: right;">5000000</td></tr> <tr><td>OPTIONAL POLLUTION LIABILITY EXTENSION</td><td style="text-align: right;">9</td><td></td></tr> <tr><td>(Per Occurrence)</td><td style="text-align: right;">9</td><td></td></tr> <tr><td>(Aggregate)</td><td style="text-align: right;">9</td><td></td></tr> </table>	EACH OCCURRENCE	9	5000000	GENERAL AGGREGATE	9	5000000	PRODUCTS - COM/OP AGG	9	5000000	PERSONAL INJURY	9	5000000	TENANTS LEGAL LIABILITY	9	500000	MED EXP (Any one person)	9	10000	NON-OWNED AUTO	9	5000000	OPTIONAL POLLUTION LIABILITY EXTENSION	9		(Per Occurrence)	9		(Aggregate)	9	
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AGGREGATE	9																																		
OTHER LIABILITY (SPECIFY)																																			
<b>ADDITIONAL INSURED</b> The Corporation of the Municipality of Temagami P.O. Box 220 Temagami, ON P0H 2H0			<b>DESCRIPTION OF OPERATIONS/LOCATIONS/AUTOMOBILES/SPECIAL ITEMS</b> Waterfront docks - Phase 1 (replace dock decking and install lighting) & Phase 2 - Replace decking and retaining wall																																
<b>CERTIFICATE HOLDER</b> The Corporation of the Municipality of Temagami P.O. Box 220 Temagami, ON P0H 2H0			<b>CANCELLATION</b> Should any of the above described policies be cancelled before the expiration date thereof, the Issuing company will endeavor to mail <u>30 days</u> written notice to the certificate holder named to the left, but failure to mail such notice shall impose no obligation or liability of any kind upon the company, its agents or representatives.																																
<b>SIGNATURE OF AUTHORIZED REPRESENTATIVE</b> Dorine Stevens <i>Dorine Stevens</i>			<b>PRINT NAME INCLUDING POSITION HELD</b> Dorine Stevens Restored Insurance Broker																																
<b>FAX NUMBER</b> 705-753-1488		<b>EMAIL ADDRESS</b>		<b>DATE</b> 13/02/07																															
<b>COMPANY</b> Rivet Insurance																																			



February 8, 2013

Introduction:

MX Constructors Inc. was established in the spring of 2010, by President Steve Morrison. The combined 25 years of experience in project management and construction projects enables MX Constructors Inc. successful entry into small to large scale construction markets.

At MX, we offer a comprehensive myriad of construction expertise designed to allow our clients to work with our team of professionals to create a project plan that can be carried forward to completion. Some of these areas of specialization are, infrastructure, new construction and restoration of bridges, wharfs, docks, dams, roadways, driveways, parking lots, ditching, sidewalks, installation and replacement of water/sewer pipes, fencing, landscaping, parks, pools, site preparation, and building construction.

MX's vision is to be the company of choice for Northern Ontario providing True General Contractor\* services and solutions.

Sincerely,

Steve Morrison  
President

416 Champagne Rd.  
Sturgeon Falls, ON P2B 3N5  
Tel.: (705) 753-1500 Fax: (705) 753-1502



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## HEALTH AND SAFETY POLICY STATEMENT

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Message from the President  
MX Constructors Inc.

Management of MX Constructors Inc. is committed to ensuring the health and safety of its employees.

Protection of employees from injury or occupational disease is our continuing objective. MX

Constructors will make every effort to provide a safe and healthy work environment.

To accomplish this, we require that every employee from management to our newest worker

Understands and abides by the Act and/or Regulations for Construction.

Every worker must protect his or her own health and safety by working in compliance with the  
law and with the company's safety program.

Supervisors will be held accountable for the health and safety of workers under their supervision.

Supervisors are responsible to ensure that machinery and equipment are safe and that workers  
work in compliance with established safe work practices and procedures.

It is in the best interest of all parties to consider health and safety in every activity.

Compliance with the Health and Safety Program is monitored and recorded, on a regular basis.

Any Trade, Contractor, or Employee that is on the premises of a project must participate in  
completing the Health and Safety Program.

Violation of this policy by any Trade, Contractor or Employee is consideration for reprimand.

This policy contains several different sections. These sections are currently being used in all of  
our projects.

This program is effective and management is committed and devoted to further success.

Be part of the team and make safety your responsibility!

Revised and updated 06/02/13

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Mr. Steve Morrison, President

# DCC Decks



Construction of wooden decks  
and retaining walls

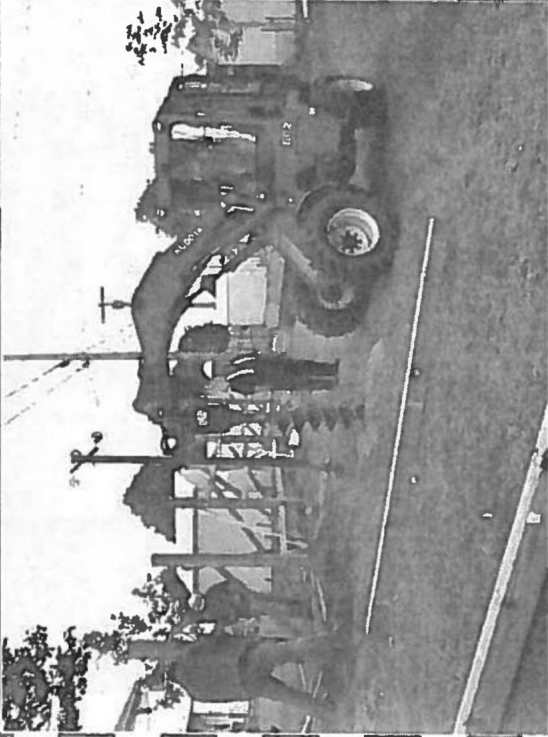
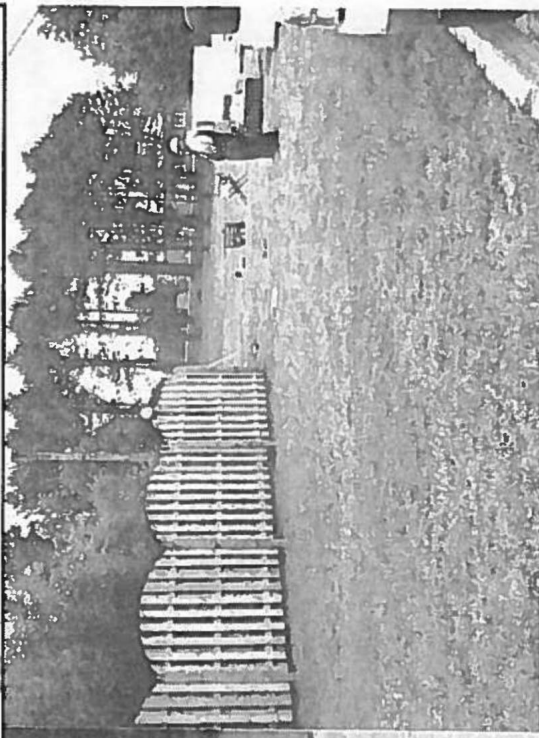
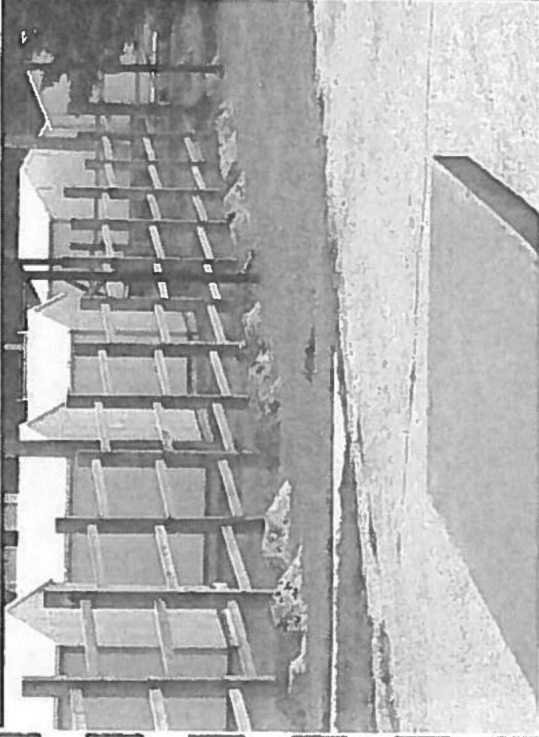


4116 Champagne Rd.  
Sturgis, MI 49091  
313-315

TEL (705) 753-1500  
FAX (705) 753-1502



# DCC Fencing



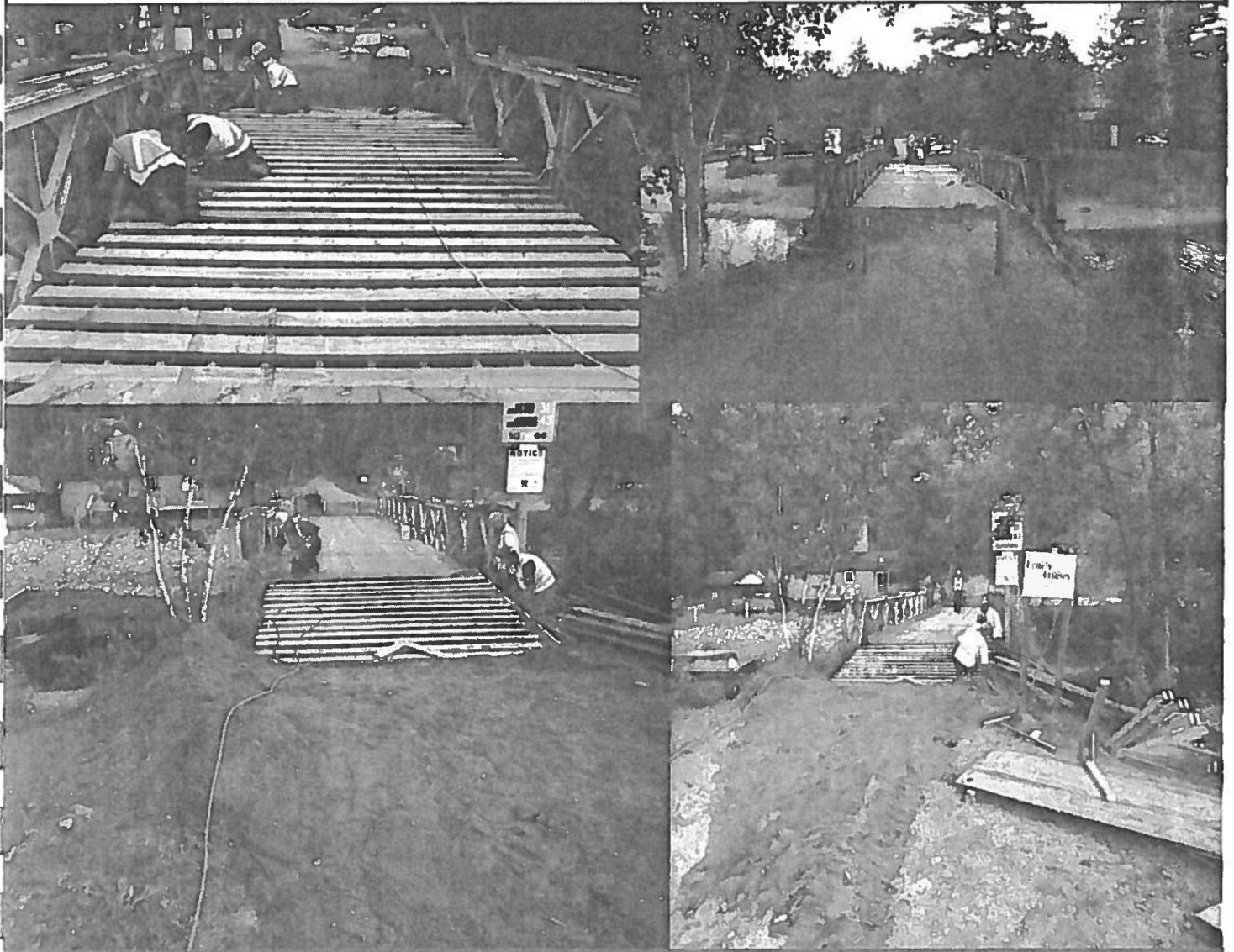
1125 Chestnut Avenue  
P.O. Box 11111  
Dallas, TX 75211  
(214) 343-3445

TEL: (705) 753-1500  
FAX: (705) 753-1552

Construction of privacy fencing



# Nature's Trail Bridge

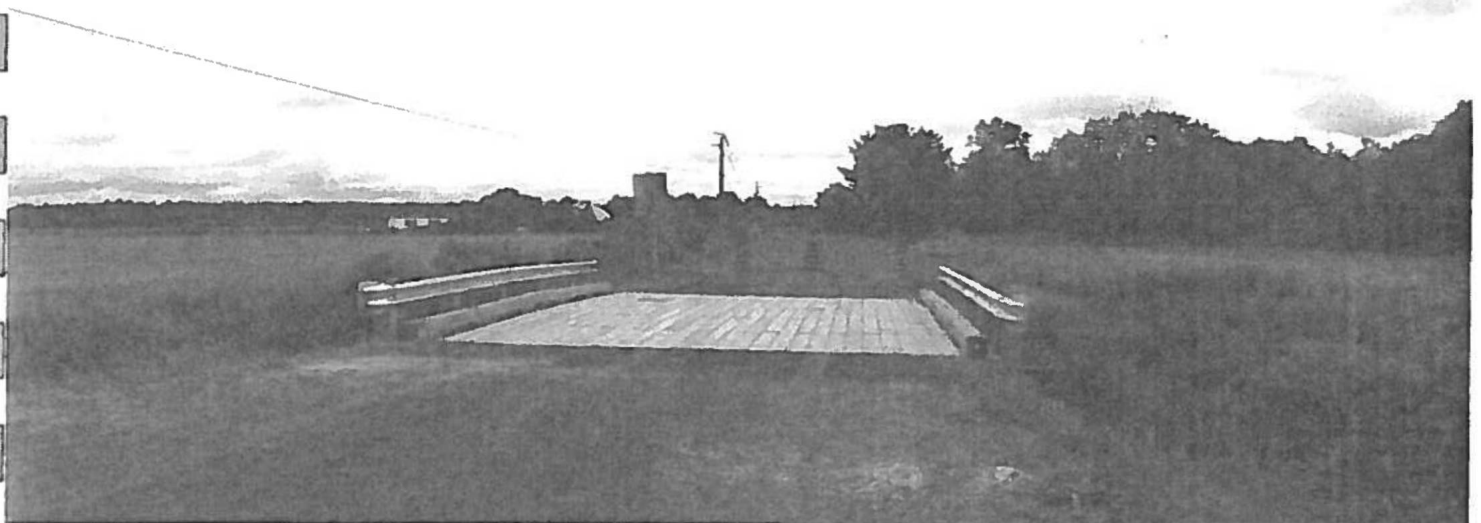


414 Lismore Rd  
Sturgeon Falls, ON  
P2B 3N5

Tel: (705) 753-1500  
Fax: (705) 753-1507

Nature's Trail Bridge  
rehabilitation, including new  
relief culvert at north approach

# Piquette Rd Bridge



415 Champagne Rd.  
Sturgeon Falls, ON  
P9B 3N5

Tel: (705) 753-1503  
Fax: (705) 753-1502

## Rehabilitation of Piquette Rd bridge



## **Proposal for Waterfront Docks Phase 2**

**Between**

**The Municipality of Temagami**

**and**

**MX Constructors Inc.**

**Closing Date: February 8, 2013 at 1:00pm**

**Closing Location: The Corporation of the Municipality of Temagami**

**7 Lakeshore Drive, P.O. Box 220**

**Temagami, Ontario**

**POH 2H0**



February 8, 2013

The Corporation of the Municipality of Temagami  
P.O. Box 220  
Temagami, Ontario POH 2H0

To Purchasing Department:

Please accept our proposal for the 'Waterfront Docks Phase 2', closing February 8, 2013 @ 1:00 pm.

Please find enclosed our:

- H Bid Bonds
- St Bid Form
- St Bridge Design
- St WSIB Certificate
- K Certificate of Insurance
- St MX Constructors Inc. Introduction
- St MX Constructors Inc. Health & Safety Statement
- St Project Experience

I thank you in advance for accepting and reviewing our proposal.

Sincerely,

Steve Morrison  
President

416 Champagne Rd  
Sturgeon Falls, ON P2B 3N5  
Tel.: (705) 753-1500 Fax: (705) 753-1502

# **LUNIQUE**

## **General Insurance**

### **BID BOND**

No. 5262-3

Bond Amount \$ **5,000.**

**MX Constructors** as Principal, hereinafter called the Principal, and **L'UNIQUE GENERAL INSURANCE INC.**, a corporation created and existing under the laws of **Quebec** and duly authorized to transact the business of Suretyship in **CANADA** as Surety, hereinafter called the Surety, are held and firmly bound unto **The Corporation of the Municipality of Temagami** as Obligee, hereinafter called the Obligee, in the amount of **Five Thousand-** ----- Dollars (**\$5,000.**) lawful money of Canada, for the payment of which sum the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally.

WHEREAS, the Principal has submitted a written tender to the Obligee, dated the **8th DAY OF February, 2013**, for **Water Front Docks • Phase 2 - Replace decking and retaining wall**

The condition of this obligation is such that if the Principal shall have the bid accepted within the time period prescribed in the Obligee's bid documents, or, if no time period is specified in the Obligee's bid documents, within Sixty (60) days from the closing date as specified in the Obligee's bid documents, and the Principal enters into a formal contract and gives the specified security, then this obligation shall be void; otherwise, provided the Obligee takes all reasonable steps to mitigate the amount of such excess costs, the Principal and the Surety will pay to the Obligee the difference in money between the amount of the bid of the Principal and the amount for which the Obligee legally contracts with another party to perform the work if the latter amount be in excess of the former.

The Principal and the Surety shall not be liable for a greater sum than the Bond Amount.

It is a condition of this bond that any suit or action must be commenced within seven (7) months of the date of this Bond.

No right of action shall accrue hereunder to or for the use of any person or corporation other than the Obligee named herein, or the heirs, executors, administrators or successors of the Obligee.

IN WITNESS WHEREOF, the Principal and the Surety have Signed and Sealed this Bond this **6th** day of **February 2013.**

SIGNED and SEALED  
in the presence of

**MX Constructors Inc.**

 \_\_\_\_\_ (seal)  
Signature

**L'UNIQUE GENERAL INSURANCE INC.**

 \_\_\_\_\_ (Seal)  
**Jean-Luc Rivest**, Attorney-in-fact

CCDC 220 - 2002  
Endorsed by: CCDC SAC

# L'UNIQUE

General Insurance

## AGREEMENT TO BOND

(Surety's Consent)  
(Financing Clause)

BOND NO. 5262-3

OWNER OR OBLIGEE: **The Corporation of the Municipality of Temagami**

DESCRIPTION OF PROJECT: **Water Front Docks Phase 2 - Replace decking and retaining wall**

DATE OF TENDER: **February 8, 2013**

We the undersigned, hereby agree to become bound as Surety for

**MX Constructors Inc.**

(name of tenderer) in a Performance Bond in the sum of **Fifty percent ( 50%)** of the contract amount and a Labour & Material Payment Bond in the sum of **Fifty percent (50%)** of the contract amount, and conforming to the instruments of Contract for the full and due performance of the works shown and described herein, if the tender attached hereto is accepted by the Owner or Obligee within Sixty (60) days from the date of the tender.

This Agreement to Bond shall be null and void unless an application for the said bond(s) is made within 30 days following the award of the contract.

Provided however, neither Principal nor Surety shall be bound hereunder unless Obligee prior to execution of the final contract bond(s) shall furnish evidence satisfactory to Principal and Surety that financing has been firmly committed to cover the entire cost of the project.

SIGNED, SEALED AND DATED this 6th day of **February, 2013**

**L'UNIQUE-GENERAL INSURANCE INC.**

By  (Seal)  
**Jean-François J. Vetr** (Attorney in Fact)

**BID FORM**

**WELCOME CENTRE DOCKS PHASE 2**

Name of Contractor **MX Constructors Inc.**  
Address: 94 King street unit 13, Sturgeon Falls, Ontario P2B 2Z5  
Phone Number: (705) 753-1500  
Price for Equipment,  
Operator(s) & Labour \$56,450.00 (no bridge) \$66,450.00 (with bridge design supply and install)  
Taxes: \$7,338.50 (no bridge) \$8,638.50 (with bridge)  
Total Price: \$63,788.50 (no bridge) \$75,088.50 (with bridge)

Proposed Project Timelines:

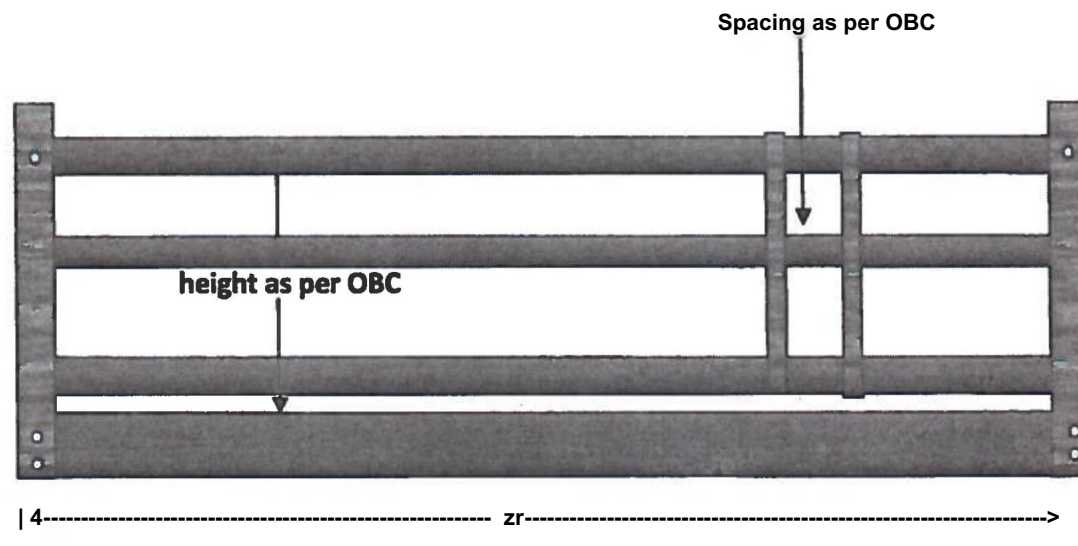
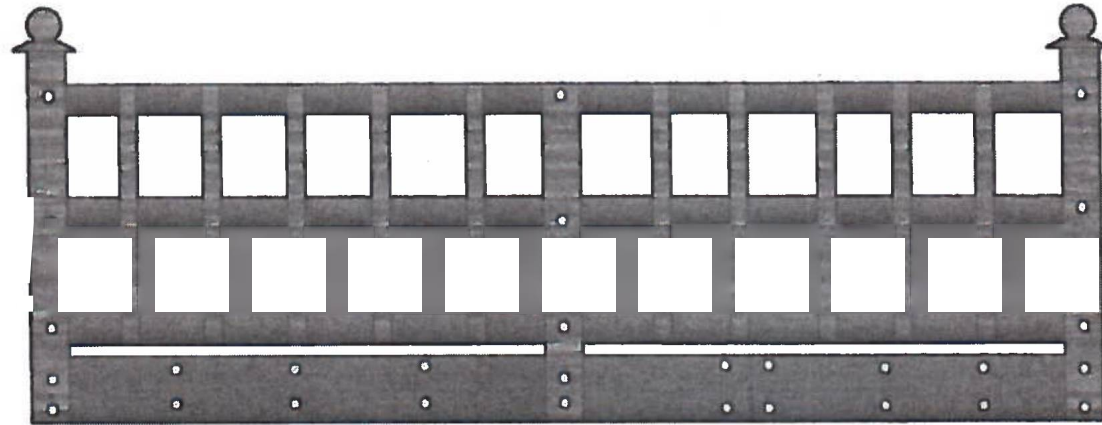
Removal of existing swim dock deck-3 days  
Installation of new swim dock deck - 3 days  
Removal of existing retaining wall - 5 days  
Installation of new retaining wall -10 days  
Site restoration - 2 days  
Final clean up -1 day  
Total time - 24 days  
Bridge Installation - 4 days

Additional Comments:

A schedule of the work with start and finish dates will be provided once a commencement date has been  
determined.  
Please see attached bridge design

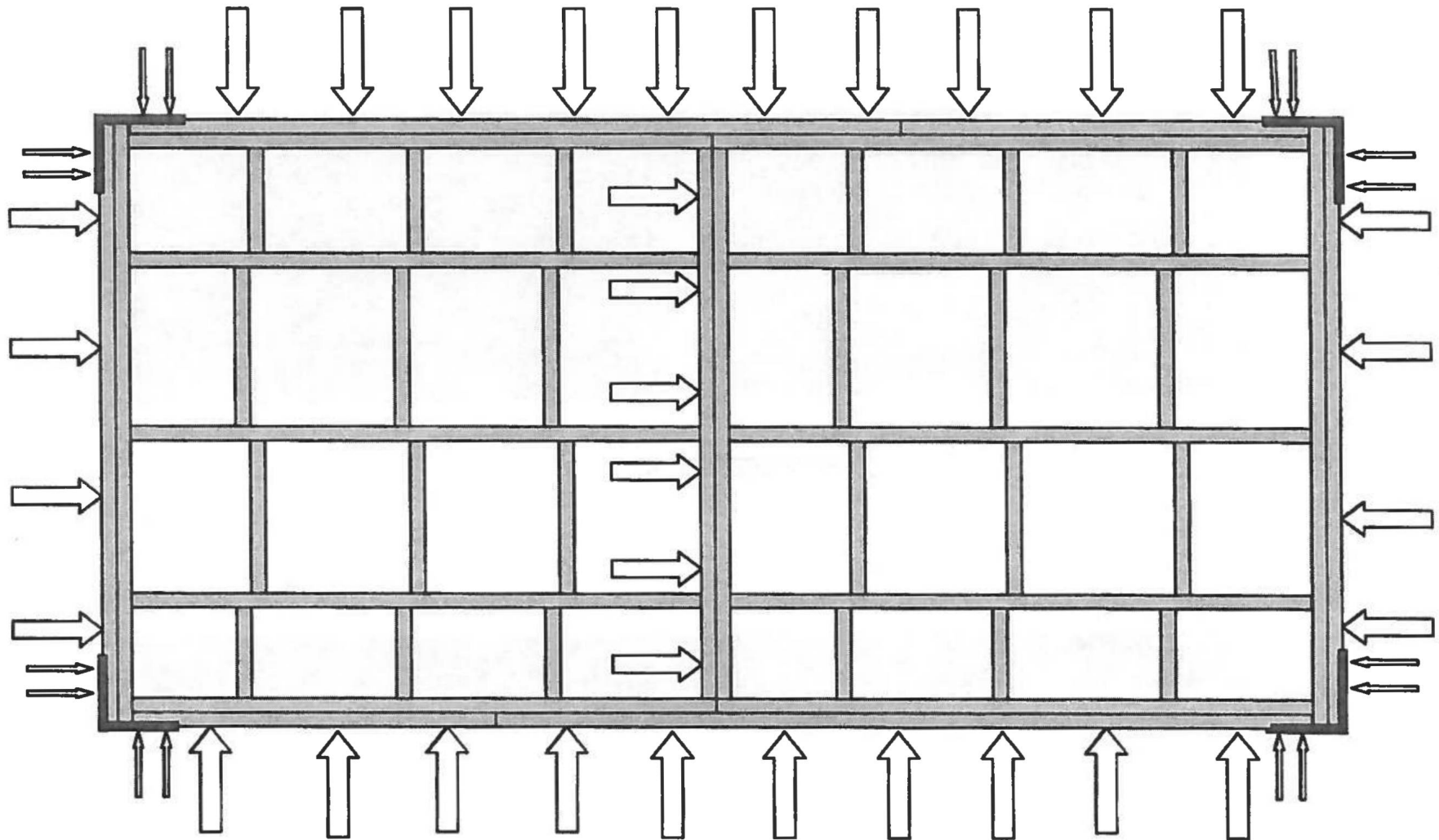


## Side View





## Bridge frame detail



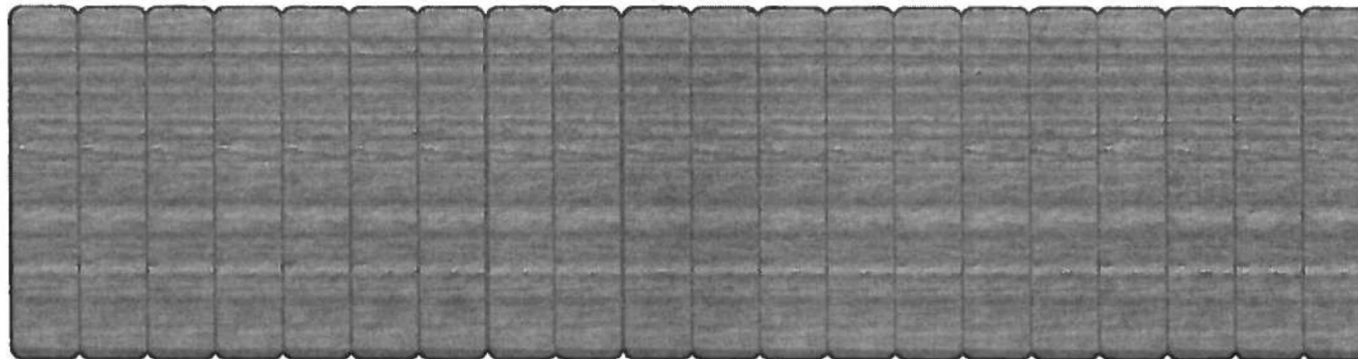
Arrows represent bolt pattern

## Bridge frame detail

Side view decking layout



Decking top view



# **Bridge construction**

## **Bridge Frame**

The main frame of the bridge will be constructed out of 2" x 10" pressure treated lumber.

The frame will be constructed in two pieces that are fasten together by use of 3-1/2" ardox nails and engineered joist hangars. Then they will be joined together by use of 5/8" galvanized carriage bolts on 24" on centre pattern.

A 2" x 10" PT will be used to reinforce the two piece frames and will be fasten by use of 5/8" carriage bolts on a 24" on centre pattern.

All four corners of the bridge frame will be fasten by use of 10"x10" L shape plates (3/16" thick) and bolted together by use of four 3/8" carriage bolts.

## **Bridge Deck**

Decking for the frame will be 2 "x 6" pressure treated lumber laid across main frame (as shown on drawing) and screwed down using #8 coated deck screws.

## **Bridge Railing**

Bridge railing posts will constructed out of 4"x4" pressure treated lumber to be bolted to the main frame by use of 5/8" carriage bolts.

Top, middle and bottom rails will be constructed out of 2"x6" pressure treated lumber and fasten to the posts by K" carriage bolts.

Balusters will be constructed out of 2"x4" pressure treated lumber fasten to top and bottom rail by use of #8 coated decking screws.

Clearance Certificate / Certificat de décharge

Contractor Legal / Trade Name / Appellation commerciale ou raison sociale de (l'entrepreneur	Contractor Address / Adresse de l'entrepreneur	Contractor Classification Unit and Description / Unité de classification de l'entrepreneur et description	Principal Legal / Trade Name / Appellation commerciale ou raison sociale de l'entrepreneur principal	Principal Address / Adresse de l'entrepreneur principal	Clearance Certificate Number / Numéro du certificat de décharge	Validity period (dd- mmm-yyyy) / Période de validité (jj/mm/aaaa)
MX CONSTRUCTORS INC.	94 KING ST UNIT 13, STURGEON FALLS, ON, P2B 2Z5, CAN	4011-099: HOMEBUILDING OPERATIONS 4121-001: HIGHWAYS/STREETS /SMALL BRIDGES 4021-099: INDUSTRIAL, COMM/CONSTRUCTI ON 4591-001: HIGHWAY/STREET MAINTENANCE	THE CORPORATION OF THE MUNICIPALITY OF TEMAGAMI	PO BOX 220, TEMAGAMI, ON, P0H 2H0, CAN	E20000029E6Z	06-Feb-2013 to 19- Feb-2013

<b>CSIO</b>		<b>CERTIFICATE OF INSURANCE</b>			DATE (YY/MM/DD) 13/02/07	
<b>BROKER J.G. Rivet Brokers Ltd</b> 229 Main Street, Unit 1 Sturgeon Falls, ON P2B1P5  BROKER'S CLIENT ID: <b>MXCON-1</b>				This certificate is issued as a matter of information only and confers no right upon this certificate holder. This certificate does not amend, extend or alter the coverage afforded by the policies below.		
<b>INSURED'S FULL NAME AND MAILING ADDRESS</b> <b>MX Constructors Inc.</b> 94 King St, Unit #13 Sturgeon Falls, ON P2B 2Z5				<b>COMPANIES AFFORDING COVERAGE</b> <b>COMPANY A IN TACT Insurance Company</b>  COMPANY B  COMPANY C  COMPANY D		
<b>COVERAGES</b>						
This is to certify that the policies of insurance stated below have been issued to the insured named above for the policy period indicated, notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate may be issued or may pertain. The insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.						
<b>LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.</b>						
TYPE OF INSURANCE	CO LTR	POLICY NUMBER	POLICY EFFECTIVE DATE (YY/MM/DD)	POLICY EXPIRATION DATE (YY/MM/DD)	LIMITS OF LIABILITY (Canadian dollar unless indicated otherwise)	
COMMERCIAL GENERAL LIABILITY					EACH OCCURRENCE	\$ 5000000
<input type="checkbox"/> CLAIMS MADE OR @ OCCURRENCE					GENERAL AGGREGATE	1 5000000
<input checked="" type="checkbox"/> PRODUCTS AND/OR COMPLETED OPERATIONS	A	501239375	12/05/05	13/05/05	PRODUCTS * COMP/OP AGG	\$ 5000000
<input type="checkbox"/> EMPLOYERS'S LIABILITY					PERSONAL INJURY	\$ 5000000
<input checked="" type="checkbox"/> CROSS LIABILITY	A				TENANTS LEGAL LIABILITY	\$ 500000
<input checked="" type="checkbox"/> TENANTS LEGAL LIABILITY	A				MED EXP (Any one person)	\$ 10000
<input checked="" type="checkbox"/> NON-OWNED	A				NON-OWNED AUTO	\$ 5000000
<input type="checkbox"/> HIRED					OPTIONAL POLLUTION LIABILITY EXTENSION	\$
POLLUTION LIABILITY EXTENSION					(Per Occurrence)	\$
					(Aggregate)	\$
AUTOMOBILE LIABILITY					BODILY INJURY	\$
<input type="checkbox"/> DESCRIBED AUTOMOBILES					BODILY INJURY (Per person)	\$
<input type="checkbox"/> ALL OWNED AUTOS					BODILY INJURY (Per accident)	\$
<input type="checkbox"/> LEASED AUTOMOBILES					PROPERTY DAMAGE	1
EXCESS LIABILITY					EACH OCCURRENCE	\$
J UMBRELLA FORM					AGGREGATE	\$
J OTHER THAN UMBRELLA FORM						
OTHER LIABILITY (SPECIFY)						
<b>ADDITIONAL INSURED</b> <b>The Corporation of the Municipality of Temagami</b> P.O. Box 220 Temagami, ON POH 2H0			<b>DESCRIPTION OF OPERATIONS/LOCATIONS/AUTOMOBILES/SPECIAL ITEMS</b> <b>Waterfront docks - Phase 1 (replace dock decking and install lighting) &amp; Phase 2 - Replace decking and retaining wall</b>			
<b>CERTIFICATE HOLDER</b> <b>The Corporation of the Municipality of Temagami</b> P.O. Box 220 Temagami, ON POH 2H0			<b>CANCELLATION</b> Should any of the above described policies be cancelled before the expiration date thereof, the issuing company will endeavor to mail <u>30</u> days written notice to the certificate holder named to the left, but failure to mail such notice shall impose no obligation or liability of any kind upon the company, its agents or representatives.			
SIGNATURE OF AUTHORIZED REPRESENTATIVE <b>Dorine Stevens</b>			PRINT NAME INCLUDING POSITION HELD <b>Dorine Stevens</b> <b>Registered Insurance Broker</b>			
FAX NUMBER <b>705-753-1488</b>		EMAIL ADDRESS		COMPANY <b>Rivet Insurance</b>		DATE <b>13/02/07</b>
CSK * COT(2P0Q/tc)						



February 8, 2013

Introduction:

MX Constructors Inc. was established in the spring of 2010, by President Steve Morrison. The combined 25 years of experience in project management and construction projects enables MX Constructors Inc. successful entry into small to large scale construction markets.

At MX, we offer a comprehensive myriad of construction expertise designed to allow our clients to work with our team of professionals to create a project plan that can be carried forward to completion. Some of these areas of specialization are, infrastructure, new construction and restoration of bridges, wharfs, docks, dams, roadways, driveways, parking lots, ditching, sidewalks, installation and replacement of water/sewer pipes, fencing, landscaping, parks, pools, site preparation, and building construction.

MX's vision is to be the company of choice for Northern Ontario providing True General Contractor' services and solutions.

Sincerely,

Steve Morrison  
President

416 Champagne Rd.  
Sturgeon Falls, ON P2B 3N5  
Tel.: (705) 753-1500 Fax: (705) 753-1502



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## HEALTH AND SAFETY POLICY STATEMENT

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Message from the President  
MX Constructors Inc.

Management of MX Constructors Inc. is committed to ensuring the health and safety of its employees.

Protection of employees from injury or occupational disease is our continuing objective. MX

Constructors will make every effort to provide a safe and healthy work environment.

To accomplish this, we require that every employee from management to our newest worker

Understands and abides by the Act and/or Regulations for Construction.

Every worker must protect his or her own health and safety by working in compliance with the  
law and with the company's safety program.

Supervisors will be held accountable for the health and safety of workers under their supervision.

Supervisors are responsible to ensure that machinery and equipment are safe and that workers  
work in compliance with established safe work practices and procedures.

It is in the best interest of all parties to consider health and safety in every activity.

Compliance with the Health and Safety Program is monitored and recorded, on a regular basis.

Any Trade, Contractor, or Employee that is on the premises of a project must participate in  
completing the Health and Safety Program.

Violation of this policy by any Trade, Contractor or Employee is consideration for reprimand.

This policy contains several different sections. These sections are currently being used in all of  
our projects.

This program is effective and management is committed and devoted to further success.

Be part of the team and make safety your responsibility!

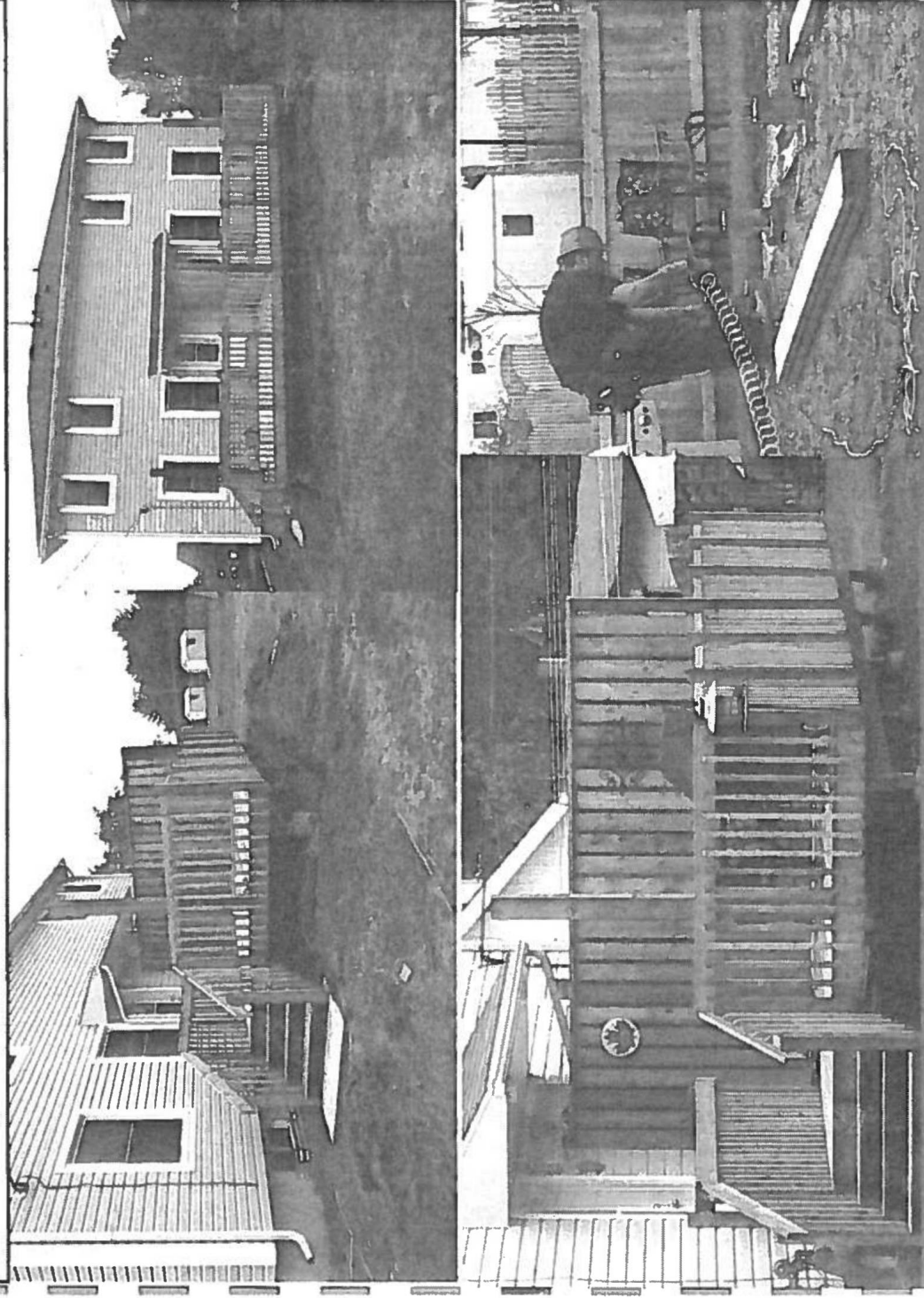
Revised and updated 06/02/13

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Mr. Steve Morrison, President



# DCC Decks

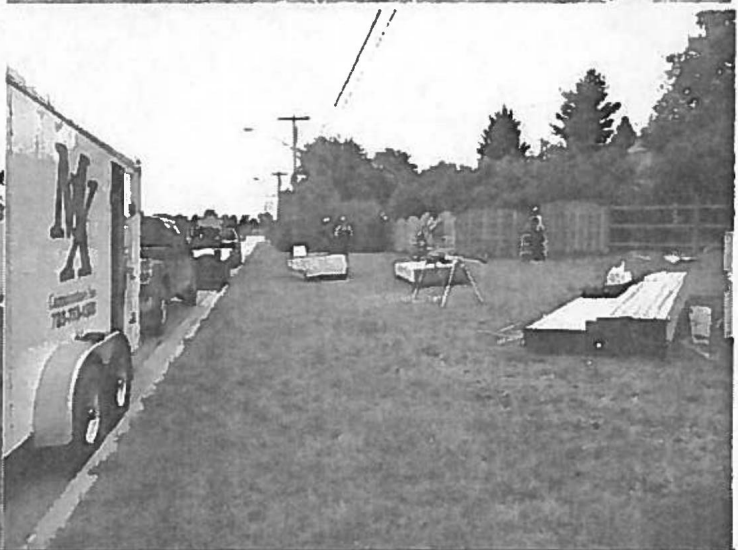
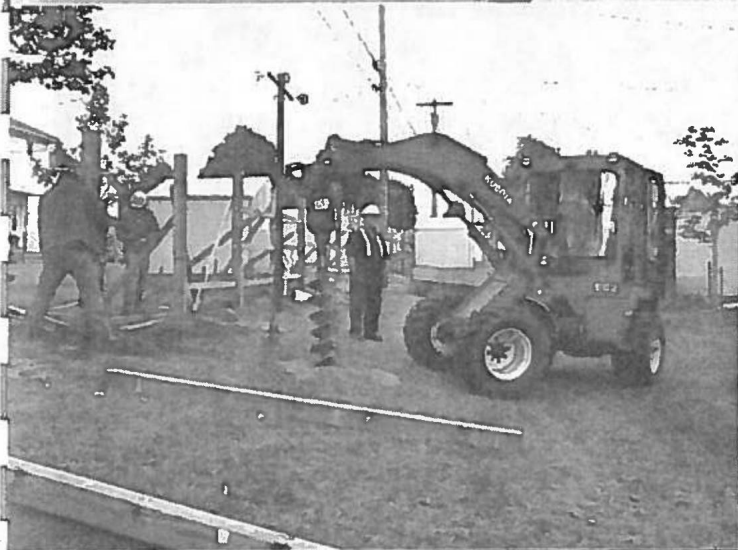
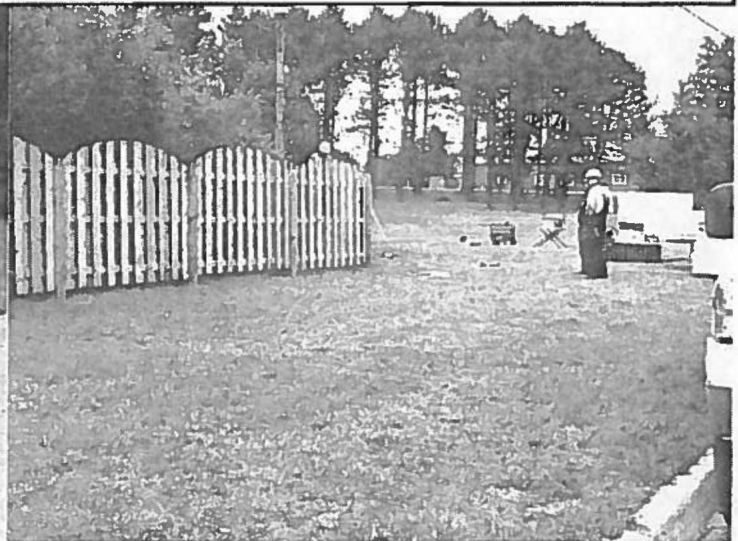
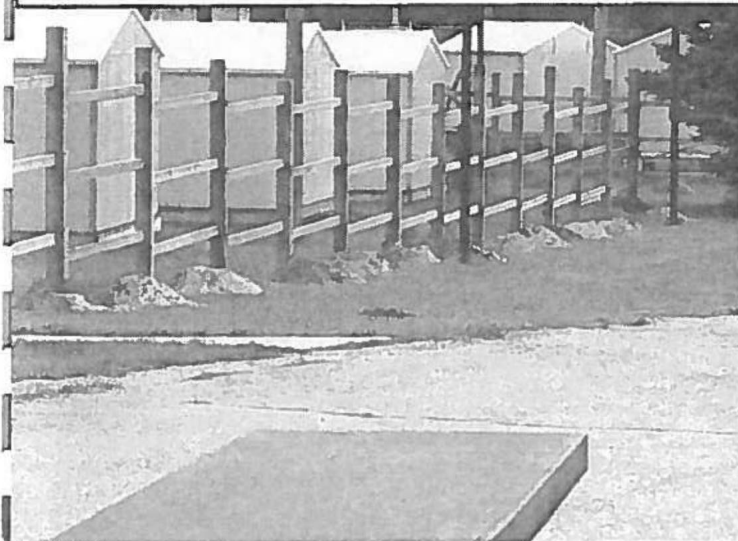


Construction of wooden decks  
and retaining walls



4100 Champlain Ave.  
Montreal, QC H3T 1M7  
514-344-1111  
1-800-361-1111

# *DCC Fencing*

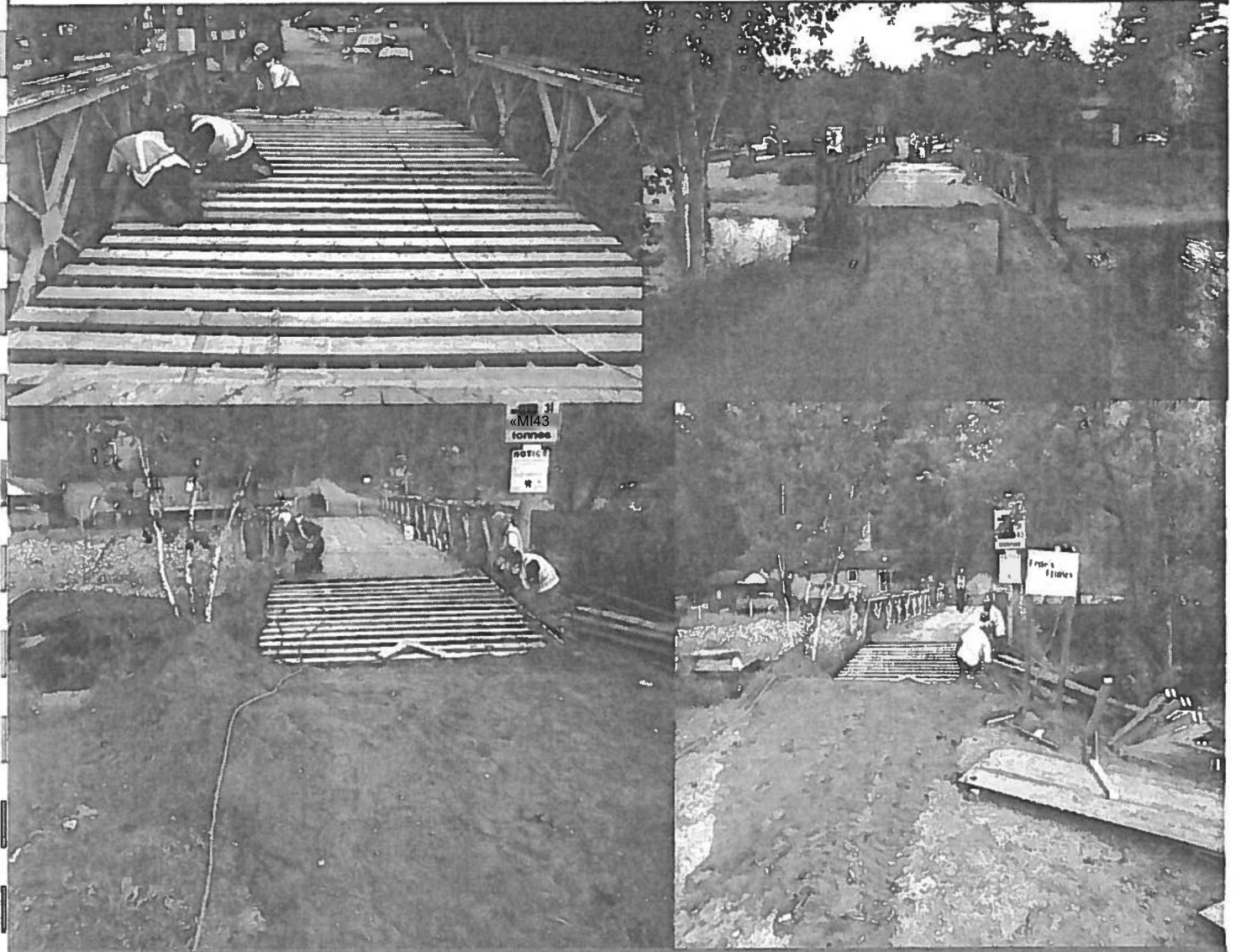


Construction of privacy fencing

416 Champaign Rd.  
Sturgeon Falls, ON  
P1B 3N5

Tel: (705) 753-1500  
Fax: (705) 753-1502

# Nature's Trail Bridge



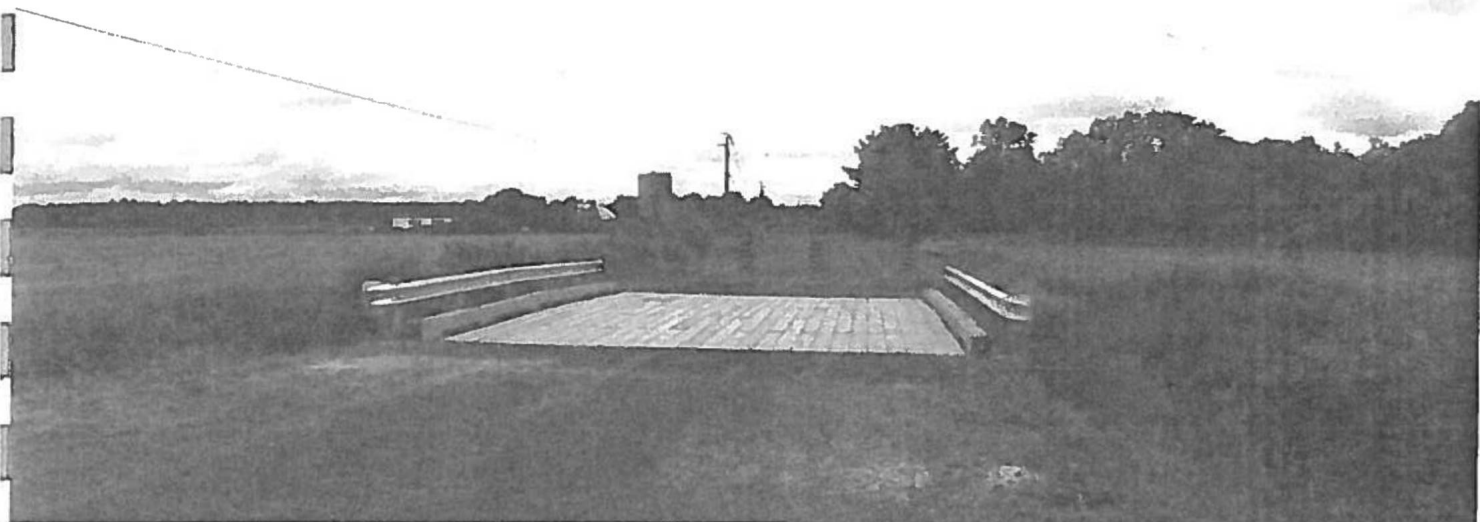
414 Champlain St.  
Shagbush Falls, OH  
43085

Tel. (705) 753-1500  
Fax (705) 753-1500

Nature's Trail Bridge  
rehabilitation, including new  
relict culvert at north approach



# Piquette Rd Bridge



415 Champagne Rd.  
Sturtevant, WI 53154  
P238 3N5

(762) 4705-753-1502  
(762) 4705-753-1502

## Rehabilitation of Piquette Rd bridge