

Mechanical Work Items

- 1 REMOVE AND DISPOSE OF EXISTING MECHANICAL ELEMENTS AS SHOWN ON THE DEMOLITION DRAWINGS.
- 2 REMOVE AND REUSE EXISTING MACHINERY BRAKES (4) AS SHOWN ON THE DRAWINGS.
- 3 REMOVE AND RETURN TO DEPARTMENTAL REPRESENTATIVE MOTOR BRAKES (2) AS SHOWN IN THE DRAWINGS.
- 4 FURNISH AND INSTALL NEW MOTOR BRAKES (4).
- 5 FURNISH AND INSTALL NEW GEARBOX PEDESTALS (2).
- 6 FURNISH AND INSTALL NEW MOTOR PEDESTALS (4).
- 7 FURNISH AND INSTALL NEW CUSTOM GEARBOXES (2).
- 8 FURNISH AND INSTALL NEW COUPLINGS. ONE EXISTING SPARE FLOATING SHAFT COUPLING ASSEMBLY FROM DEPARTMENTAL REPRESENTATIVE MAY BE REUSED AND MODIFIED AS NECESSARY FOR ONE OF THE REQUIRED REPLACEMENT ASSEMBLIES.
- 9 ONE OF THE REMOVED FLOATING SHAFT COUPLING ASSEMBLIES SHALL BE MACHINED TO LENGTH AND ASSEMBLED WITH A NEW FLEXIBLE COUPLING HUB TO MATCH NEW INSTALLATION. NEW ASSEMBLY SHALL BE RETURNED TO DEPARTMENTAL REPRESENTATIVE AS A SPARE.
- 10 THE SECOND REMOVED FLOATING SHAFT ASSEMBLY SHALL BE MODIFIED WITH A NEW FLEXIBLE HUB TO MATCH NEW INSTALLATION. NEW ASSEMBLY SHALL BE RETURNED TO DEPARTMENTAL REPRESENTATIVE AS A SPARE.
- 11 FURNISH SPARE PARTS AS DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS.
- 12 PREPARE FLOOR FOR MOUNTING MACHINERY IN ACCORDANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS.

General Machinery Notes

1. ALL MECHANICAL WORK TO BE PERFORMED IN ACCORDANCE WITH CAN/CSA-S6-06 CANADIAN HIGHWAY BRIDGE DESIGN CODE.
2. ALL MECHANICAL WORK TO BE COORDINATED WITH STRUCTURAL AND ELECTRICAL WORK.
3. DIMENSIONS SHOWN ON THE DRAWINGS ARE NOMINAL. CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS PRIOR TO THE START OF ANY AND ALL WORK. CONTRACTOR MUST SHOW ALL DIMENSIONS WITH APPROPRIATE TOLERANCES TO OBTAIN REQUIRED FITS BETWEEN MATING COMPONENTS ON SHOP DRAWINGS.
4. FINAL DRILLING AND REAMING OF MACHINERY TO BE PERFORMED AFTER ALL ALIGNMENT WORK IS COMPLETE. ALIGNMENT TO BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AS LISTED IN THEIR REGULARLY PUBLISHED LITERATURE AND THE SPECIFICATIONS.
5. PROVIDE INSPECTION AND TESTING PER THE SPECIFICATIONS.




Public Works and
Government Services Canada
Architectural and Engineering Services
Ontario Region

Travaux publics et
Services gouvernementaux Canada

Services d'architecture et de génie
Région de l'Ontario

**PARSONS
BRINCKERHOFF**

2300 YONGE STREET, SUITE 2300
TORONTO, ONTARIO
CANADA M4P 1E4
PHONE: 416-487-5256 FAX: 416-487-9766
WWW.PBWORLD.COM

Professional Engineers
Ontario

Temporary Licensee
Name: Michael Elza
Number: 100181046-02
Limitations: Mechanical system design for the Burlington
Canal Bridge in Burlington, Ontario for Public Works and
Government Services Canada

Collaborator: Caryl Ng, P. Eng.
Expiry Date : July 31, 2013
Association of Professional Engineers of Ontario



06	FOR TENDER	2013-06-04
05	FINAL DESIGN COMPLETION	2013-05-31
04	99% DESIGN COMPLETION	2013-05-31
03	90% DESIGN SUBMITTAL	2013-03-31
02	66% DESIGN SUBMITTAL	2013-02-14
01	33% DESIGN SUBMITTAL	2012-12-10
revision		date
Do not scale drawings. Verify all dimensions and conditions on site and immediately notify the departmental representative of all discrepancies.		

- A

Detail No.
No. du détail
- B

drawing no. - where detail required
dessin no. - où détail exigé
- C

drawing no. - where detailed
dessin no. - où détaillé

project title
titre du projet
HAMILTON BURLINGTON CANAL VERTICAL LIFT BRIDGE
**REPLACEMENT OF CONTROLS,
DRIVES AND OVERHEAD CABLES**
ONTARIO

drawing title
titre du dessin
**MECHANICAL KEY PLAN
AND ELEVATION**

drawn by
dessiné par
J. PEREZ

designed by
conc par
M. ELZA

approved by
approuvé par
M. VANDEREE

bid
soumission
A. Ghubril
project manager
administrateur
de projets

project date
date du projet
2013-05-31

project no.
no. du projet
R.012641.001

drawing no.
dessiné no.
H-01