



- |   |   |
|---|---|
| ① REMOVE EXISTING TRAFFIC GATES.  | ⑫ REMOVE EXISTING UNINTERRUPTIBLE POWER SUPPLY (UPS). INSTALL NEW UNINTERRUPTIBLE POWER SUPPLY (UPS).   |
| ⑬ INSTALL NEW TRAFFIC GATES.  | ⑬ REMOVE EXISTING HEIGHT INDICATOR. INSTALL NEW HEIGHT INDICATORS.  |
| ⑭ REMOVE EXISTING BARRIER/PEDESTRIAN GATES.   | ⑭ RELOCATE EXISTING AUXILIARY DRIVE PANELS. TWO TIMES DURING CONSTRUCTION. FIRST TO A TEMPORARY LOCATION. SECOND, TO THE FINAL LOCATION. AUXILIARY DRIVE EQUIPMENT MUST REMAIN ELECTRICALLY OPERATIONAL AT ALL TIMES. |
| ⑮ INSTALL NEW BARRIER GATES.  | ⑮ INSTALL NEW VECTOR DRIVES.  |
| ⑯ INSTALL NEW PEDESTRIAN GATES.   | ⑯ INSTALL NEW BRAKING RESISTORS.  |
| ⑰ REMOVE EXISTING PLC CABINET. INSTALL NEW PLC CABINETS.  | ⑰ LIMIT SWITCHES: REMOVE FULLY SEATED LIMIT SWITCH, INSTALL AT ACCESSIBLE LOCATIONS NEW FULLY SEATED, NEARLY SEATED, NEARLY RAISED AND FULLY RAISED LIMIT SWITCHES.   |
| ⑱ REMOVE EXISTING CONTROL CUBICLES.   | ⑱ INSTALL NEW BIAxIAL FORCE BALANCE INCLINOMETER AND WIRELESS MODULE.   |
| ⑲ REMOVE EXISTING DRIVE MOTOR RESISTORS.  | ⑲ SPAN LOCKS: INTERFACE AND CONNECT NEW POWER AND CONTROLS TO EXISTING SPAN LOCK MOTORS AND LIMIT SWITCHES. REUSE EXISTING SPANLOCK MOTOR DISCONNECT SWITCHES, MOTORS, AND LIMIT SWITCHES.                            |
| ⑳ REMOVE EXISTING ATS SWITCH. INSTALL NEW ATS SWITCH.   | ⑳ LADDER TYPE VERTICAL CABLE SUPPORT RACEWAY TO REMAIN.   |
| ㉑ REMOVE EXISTING MOTOR CONTROL CENTRE. INSTALL NEW MOTOR CONTROL CENTRE.   | ㉑ ROUTE NEW CONDUITS AND CONDUCTORS FROM CONTROL ROOM TO TOWER IN EXISTING RACEWAY TRAY. SEE SHEET E-84 FOR DETAILS   |
| ㉒ REMOVE EXISTING MOTOR DISCONNECT SWITCHES. REUSE DISCONNECT SWITCHES FROM EXISTING DRIVE MOTOR STATORS (PRIMARY WINDINGS) FOR NEW DRIVE MOTORS. | ㉒ REFER ALL DISCIPLINES TO SPECIFICATIONS FOR SUGGESTED CONSTRUCTION SEQUENCE AND COMMISSIONING PROCESS.  |
| ㉓ REMOVE EXISTING AERIAL CABLES. INSTALL NEW AERIAL CABLES EAST AND WEST.   |   |



07	FOR TENDER 2	2013-06-30
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**

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

drawn by  
dessiné par  
**J. Perez**

designed by  
conc par  
**G. Patino/B. Crouthamel**

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.  
**E-04**