

Part 1 General

1.1 SECTION INCLUDES

- .1 This section specifies the requirement for the removal and re-installation of the jib crane, floating docks and dock ramps with associated on-site storage.

1.2 RELATED SECTIONS

- .1 Section 01 33 00 - Submittal Procedures.
- .2 Section 01 74 21 - Construction/Demolition Waste Management And Disposal.
- .3 Section 01 35 43 - Environmental Procedures.
- .4 Section 01 35 29.06 - Health and Safety Requirements.

1.3 REFERENCES

- .1 Canadian Standards Association (CSA International).
 - .1 CSA S350-M1980(R2003), Code of Practice for Safety in Demolition of Structures.

1.4 DEFINITIONS

- .1 Deconstruction: systematic dismantling of structure in a manner that achieves safe removal and maximum salvage/recycling of materials.
- .2 Hazardous Materials: dangerous substances, dangerous goods, hazardous commodities and hazardous products, including but not limited to: corrosive agents, flammable substances, ammunition, explosives, radioactive substances, or other material that can endanger human health, well being or environment if handled improperly.
- .3 Reuse: repeated use of product in same form and for same purpose.
- .4 Salvage: removal of structural and non-structural materials from deconstruction/disassembly projects for purpose of reuse or recycling.
- .5 Source Separation: acts of keeping different types of waste materials separate, beginning from first time they became waste.
- .6 Waste Management Coordinator (WMC): contractor representative responsible for supervising waste management activities as well as coordinating related, required submittal and reporting requirements.

1.5 MEASUREMENT FOR PAYMENT

- .1 Removal of the existing jib crane, floating dock and dock ramp as well as on-site storage to be paid as lump sum price. Location of storage to be determined by Departmental Representative.

- .2 The replacement and reattachment of the jib crane, floating dock and dock ramp will be included in the same lump sum price.

1.6 QUALITY ASSURANCE

- .1 Ensure Work is performed in compliance with applicable provincial regulations.

1.7 STORAGE, HANDLING AND PROTECTION

- .1 Do in accordance with Section 01 74 21 - Construction/Demolition Waste Management And Disposal.

1.8 ENVIRONMENTAL REQUIREMENTS

- .1 Do Work in accordance with Section 01 35 43 - Environmental Procedures.

1.9 SITE CONDITIONS

- .1 Protection.
 - .1 Prevent movement, settlement or damage of adjacent structures, services, walks, paving, trees, landscaping and adjacent grades. Provide bracing and shoring as required. Repair damage caused by deconstruction as directed by Departmental Representative.
 - .2 Support affected structures and, if safety of structure being deconstructed or adjacent structures appears to be endangered, take preventative measures. Cease operations and immediately notify Departmental Representative.
 - .3 Prevent debris from blocking surface drainage system and public roadways.

Part 2 Products

2.1 EQUIPMENT

- .1 Leave equipment and machinery running only while in use, except where extreme temperatures prohibit shutting down.
- .2 Where possible, use water efficient wetting equipment/trucks/attachments when minimizing dust.
- .3 Demonstrate that tools are being used in manner which allows for salvage of materials in best condition possible for re-use.

Part 3 Execution

3.1 PREPARATION

- .1 Do Work in accordance with Section 01 35 29.06 - Health and Safety Requirements.
- .2 Locate and protect utility lines. Do not disrupt active or energized utilities traversing premises.

3.2 DISASSEMBLY

- .1 Materials removed from designated structures are property of Departmental Representative.
- .2 Throughout course of deconstruction pay close attention to connections and material assemblies. Employ workmanship procedures which minimize damage to materials and equipment.
- .3 Ensure workers and subcontractors are briefed and trained to carry out work in accordance with appropriate deconstruction techniques.
- .4 Deconstruct in accordance with CSA S350 and other applicable safety standards.
- .5 Workers must utilize certified harness and belay systems where Departmental Representative considers it necessary.
- .6 Maintain structural integrity of structure.
- .7 Systematically remove all hardware and connections as instructed by Departmental Representative.
- .8 Remove and store materials to be salvaged for re-use in manner to prevent damage.
 - .1 Store and protect in accordance with requirements for maximum preservation of material.
 - .2 Handle salvaged materials as new materials.
- .9 Source separate for recycling materials that cannot be salvaged for reuse including wood, metal, concrete and asphalt.
- .10 Remove materials that cannot be salvaged for reuse or recycling and dispose of in accordance with applicable codes at licensed facilities.
- .11 Where existing materials are to be re-used in Work, use special care in removal, handling, storage and re-installation to assure proper function in completed work.

3.3 PROCESSING

- .1 Designate location for processing of materials which eliminates double handling and provides adequate space to maintain efficient material flow.
- .2 Denail, strip and separate materials to ensure best possible condition of salvaged materials.
- .3 Keep processing area clean and free of excess debris.
- .4 Separate processed materials into organized piles for stockpiling.

3.4 STOCKPILING

- .1 Designate appropriate security resources/measures to prevent vandalism, damage and theft.
- .2 Locate stockpiled materials convenient for use during reinstatement. Eliminate double handling wherever possible.

3.5 CLEANING AND RESTORATION

- .1 Keep site clean and organized throughout deconstruction.
- .2 Upon completion of project, remove debris, trim surfaces and leave work site clean.
- .3 Upon reinstatement of the jib crane, floating docks and dock ramps and completion of project, reinstate areas affected by Work to condition which existed prior to beginning of Work.

END OF SECTION