

1 GENERAL

1.1 RELATED REQUIREMENTS

- .1 Section 34 71 13.25 - Vehicule W-Beam Guide Rail.
- .2 Section 10 14 53 - Traffic signage.

1.2 REFERENCE STANDARDS

- .1 CSA International
 - .1 CSA S350, Code of Practice for Safety in Demolition of Structures.
- .2 Department of Justice Canada (Jus)
 - .1 Canadian Environmental Assessment Act (CEAA), 1995, c. 37.
 - .2 Canadian Environmental Protection Act (CEPA), 1999, c. 33.
 - .1 SOR/2003-2, On-Road Vehicle and Engine Emission Regulations.
 - .2 SOR/2006-268, Regulations Amending the On-Road Vehicle and Engine Emission Regulations.
 - .3 Transportation of Dangerous Goods Act (TDGA), 1992, c. 34.

1.3 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures and Section 01 00 10 - Generals instructions.
- .2 Submit copies of certified, weigh bills, bills of lading and receipts from authorized disposal sites and reuse and recycling facilities for material removed from site upon request of Departmental Representative.
 - .1 Written authorization from Departmental Representative is required to deviate from facilities receiving organizations listed in Waste Reduction Workplan.
- .3 Shop Drawings:
 - .1 Submit for review and approval demolition drawings, diagrams or details showing sequence of demolition work and supporting structures and underpinning.
- .4 The Contractor shall not begin work before receiving shop drawings and/or specs sheets and/or reviewed and approved procedures.
- .5 No additional extension will be allowed to work schedule to wait for shop drawings, technical specs or procedure approval.

1.4 QUALITY ASSURANCE

- .1 Regulatory Requirements: Ensure Work is performed in compliance with CEPA, CEAA, TDGA, and applicable Provincial/Territorial and Municipal regulations.

1.5 WASTE MANAGEMENT

- .1 Separate waste from recyclable materials to ensure that they are properly directed in accordance with section 01 00 10 - General instructions.

1.6 ENVIRONMENT PROTECTION

- .1 Ensure Work is done in accordance with Section 01 35 43 - Environmental Procedures.

2 PRODUCTS

2.1 EQUIPMENT

- .1 Equipment and heavy machinery:
 - .1 On-road vehicles to: CEPA-SOR/2003-2, On-Road Vehicle and Engine Emission Regulations and CEPA-SOR/2006-268, Regulations Amending the On-Road Vehicle and Engine Emission Regulations.
 - .2 Off-road vehicles to: EPA CFR 86.098-10 and EPA CFR 86.098-11.
- .2 Leave machinery running only while in use, except where extreme temperatures prohibit shutting machinery down.
- .3 The Contractor will in no case be allowed to exceed load limits as displayed on bridge.

3 EXECUTION

3.1 PREPARATION

- .1 Protection of in-place conditions:
 - .1 Work in accordance with Section 01 35 43 - Environmental Procedures and Erosion and Sedimentation Control Plans and with the surface water run-off pollution prevention plan.
 - .2 Prevent movement, settlement or damage of structures, trees, landscaping, adjacent grades.
 - .1 Provide bracing and underpinning as required.
 - .2 Repair damage caused by demolition as directed by Departmental

Representative.

- .3 Support affected structures and, if safety of structure appears to be endangered, take preventative measures, stop Work and immediately notify Departmental Representative.
- .4 Prevent debris from blocking surface drainage system.

3.2 DEMOLITION

- .1 Do demolition work in accordance with Section 01 00 10 - Generals Instructions.
- .2 Blasting operations not permitted during demolition.
- .3 Curb demolition includes, without limitation, the removal of bolts, washers, nuts, steel angles, side member stops, as well as all items connected to curbs and related expenses.
- .4 After removing the side member stop, the surface shall be smooth and free from dirt before applying the zinc-rich coating onto the steel surface.
- .5 The demolition of guardrails on bridge approaches includes, without limitation, the demolition of the post, wood spacer, retroreflecting plate, nails, bolts, nuts, washers, undulated steel profiles and all items attached to the existing guardrail and related expenses.
- .6 Use natural lighting to do Work where possible.
 - .1 Shut off lighting except those required for security purpose at end of each day.
- .7 The demolition of road signs includes, without limitation, the demolition and recycling of these signs.
- .8 Refer to plan indications for more details.

3.3 DISPOSAL OF MATERIAL

- .1 Dispose of materials not designated for alternate disposal in accordance with applicable regulations.
 - .1 Disposal facilities must be those approved of and listed in Waste Reduction Workplan.

3.4 CLEANING

- .1 Divert excess materials from landfill to site approved Departmental representative.
- .2 Ensure that premises remain clean and in order throughout demolition work.
- .3 After completing work, remove debris, restore original surface condition and leave the work site in a clean condition.

END OF SECTION