

PART 1 - GENERAL

- 1.1 DESCRIPTION .1 This section specifies requirements for rock excavation/removal.
- 1.2 SUBMITTALS .1 Submit to Departmental Representative and local authorities having jurisdiction for approval written proposal of operations for rock removal in accordance with Section 01 33 00 Submittal Procedures.
- 1.3 PROTECTION .1 Prevent damage to surroundings and injury to persons.
- .2 The project is to be carried out in a sensitive fish habitat area. All rock removal to be carried out in full conformance with all applicable fish habitat regulations, codes and approvals respecting such activities.
- .3 All rock excavation to be carried out in the dry unless otherwise approved by Departmental Representative, environmental and fisheries regulatory authorities having jurisdiction.
- .4 Reduce ground vibrations to avoid damage to remaining rock masses and adjacent structures, including the existing fishway and bridge abutments and piers.
- 1.4 MEASUREMENT FOR PAYMENT .1 Rock Removal: No separate measurement for payment shall be made for items under this section. Include all costs for rock removal in the lump sum portion of the work on the Bid and Acceptance Form.

PART 2 - PRODUCTS

N/A

PART 3 - EXECUTION

- 3.1 ROCK .1 Remove rock to profiles and sections as indicated on the drawings. The pay limits of rock excavation are indicated on the drawings.
- EXCAVATION .2 Use rock removal procedures to produce uniform and stable excavation surfaces.
- .3 Scale, pressure wash and broom clean rock surfaces which are to bond to concrete.
- .4 Remove boulders and fragments which may slice or roll into excavated areas.
- .5 Use controlled rock removal techniques to remove

rock in the locations indicated on the drawings.

- .6 Scale, chip and/or hammer all sharp edges/fragments as indicated on the drawings and to approval of the Departmental Representative.
  - .7 Over excavation will not be accepted. Additional work to correct over excavation, to the approval of the Departmental Representative, will be at the contractors expense.
  - .8 Notify the Departmental Representative for inspection and approval of finished and cleaned rock surface. Approval by the Departmental Representative will be given in writing and if the Contractor leaves a work area without such written approval, the Departmental Representative may, at his discretion, request that the Contractor return to the work area at no extra cost and do further work as directed.
- 3.2 ROCK DISPOSAL
- .1 Dispose of removed rock to approval of the Departmental Representative.
- 3.3 REMOVAL TOLERANCE
- .1 All rock removal work shall be within  $\pm 25$  mm of the dimensions and elevations indicated on the drawings. Failure to meet this condition may result in rejection of the work and corrective measures, to the approval of the Departmental Representative, will be at the contractor's expense.