

Add the following Section:

## SECTION 514

### CONCRETE SURFACE TREATMENTS

#### Special Provisions

**514-1.01 DESCRIPTION.** This work consists of providing aesthetic fascia on all cast-in-place concrete walls and tunnel walls (**for clarity: all four approach walls with vertical faces adjacent to trail and the inside of the tunnel will receive aesthetic fascia**), and providing graffiti protection on all cast-in-place concrete walls, tunnel walls, tunnel ceiling, and mechanically stabilized earth retaining walls. Use form liners on all cast-in-place concrete retaining walls. Install graffiti protection on all walls and surfaces designated on the Plans.

**514-2.01 MATERIALS.** Reinforcing steel shall meet the requirements of Subsection 709-2.01 Reinforcing Steel.

Provide standard reusable, non-porous form liners conforming to the following requirements:

Concrete Pattern: **\*\*DELETE\*\*** Contractor shall provide a textured and patterned finish to vertical cast-in-place concrete retaining wall and tunnel wall surfaces. Surface shall be formed to provide a staggered board pattern with coarse wood grain texture finish. Finish shall provide random offset of individual boards with variations of between 6mm and 19mm. Board texture shall provide distinctly visible wood grain finish. This pattern shall match Symons Form Liner Grape Stake 1202 (2" board width) pattern or approved equal. Contractor shall provide one meter by one meter sample of the proposed finished surface for Engineer's approval. The approved panel shall be used for comparison and acceptance of all other textured vertical concrete.

Use a two-step graffiti protection system designed specifically for this use. The system shall consist of a single component clear acrylic base coat covered by a clear urethane finish coat. This material is not a sealer or vapor barrier and no appreciable discoloration is allowed.

Trained personnel shall apply the material according to the manufacturer's recommendations.

**514-3.01 AESTHETIC FASCIA.** Use form liners on all retaining wall forms which have exposed surfaces. The wall dimensions and concrete quantities provided on the Plans are minimum and do not include allowances for the thickness of the form liners and must be accounted for by the Contractor.

The liners will cover the majority of the form with a minimum of 50mm and a maximum of 300mm between the edge of liner and the finished top of the wall, pathway or original ground grade at the bottom, and edge or expansion joints of the wall on the sides. The Engineer shall approve the liner placement on the form prior to the concrete pour.

**514-3.02 GRAFFITI PROTECTION.** Let all concrete surfaces set at least 28 days before applying any coatings. Apply the base coat with a roller or sprayer in accordance with the manufacturer's recommendations. Apply two coats of the finish coat after the base coat has cured for 72 hours. Apply appropriate masking as required.

**514-4.01 METHOD OF MEASUREMENT.** Measure aesthetic fascia and graffiti protection by the square meter of surface area designated by the Engineer.

**514-5.01 BASIS OF PAYMENT.** Payment for retaining wall treatments will be full compensation for all labor, equipment and materials, including reinforcing steel, required to complete the walls in accordance with the plans and specifications. (2/28/01)R41

Payment will be made under:

Pay Item	Pay Unit
514(1) Aesthetic Fascia	Square Meter
514(2) Graffiti Protection	Square Meter