SECTION 610 - REINFORCED CONCRETE DRIVEWAYS

610.01 Description. This section describes constructing reinforced concrete driveways.

610.02 Materials.

Structural Concrete 601

Aggregate for Untreated Base 703.06

Welded Wire Fabric Reinforcement 709.01(C)

610.03 Construction.

(A) Removing Existing Curb and Sidewalk. Remove existing curb and sidewalk in accordance with Subsection 202.03(B) - Removal of Concrete Structures. If existing curb consists of precast units, remove whole units.

(B) Excavating. Excavate to required depth, remove unsuitable material, and compact subgrade to firm, even surface in accordance with Subsection 203.03(A)(4) - Subexcavation.

(C) Forms. Use full-depth wood or metal forms that are straight, free of warp, and of sufficient strength to resist pressure of concrete without springing. Brace and stake forms to remain in both horizontal and vertical alignment until removal.

(D) Bed Course. Use aggregate for untreated base conforming to Subsection 703.06 - Aggregate for Untreated Base, as bed course material. Place bed course material minimum of 4 inches in depth. Compact with at least three passes of lightweight mechanical tamper, roller, or vibratory system.

(E) Reinforcement. Place welded wire fabric reinforcement in accordance with Section 602 - Reinforcing Steel.

(F) Placing Concrete. Moisten bed course and forms to saturated, surface-dry condition, immediately before placing concrete. Place concrete for each driveway in continuous manner in accordance with Section 503 – Concrete Structures.

(G) Finishing. Work surface with wooden float and broom finish. Do not plaster surface. Finish outside edges of slab and joints with 1/4-inch radius edging tool.
(H) Joints. Provide weakened-plane joints at score lines. Form weakened-plane joints to minimum depth of 1/4 slab thickness and approximate 1/8-inch width using scoring tool, saw, or other means accepted by the Engineer. Match curb or pavement joints. Where driveways are more than 7 feet wide, provide longitudinal, weakened-plane joints.

(I) Curing. Cure concrete for at least 72 hours in accordance with Subsection 503.03(L) – Curing Methods. Provide barricades to protect concrete from pedestrian and all vehicular traffic for 48 hours, and from vehicular traffic other than passenger vehicles, for 10 days.

610.04 Measurement. Reinforced concrete driveways will be paid on a lump sum basis. Measurement for payment will not apply.

610.05 Payment. The Engineer will pay for accepted reinforced concrete driveways on a contract lump sum basis. Payment will be full compensation for the work prescribed in this section and contract documents.

The Engineer will pay for following pay item when included in proposal schedule:

<table>
<thead>
<tr>
<th>Pay Item</th>
<th>Pay Unit</th>
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<tbody>
<tr>
<td>(___ - Inch) Reinforced Concrete Driveway</td>
<td>Lump Sum</td>
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</tbody>
</table>

The Engineer will pay for precast concrete drop curb and driveway curb, or cast-in-place integral curb and gutter under Section 638 - Portland Cement Concrete Curb and Gutter.

The Engineer will pay for excavation of unsuitable material and backfill with material acceptable to the Engineer under Section 203 – Excavation and Embankment. If no pay item exists, refer to Subsection 104.02 – Changes.

END OF SECTION 610