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| Use on projects when concrete for minor structures is required. Generally, concrete structures are considered minor when structural analysis is not required. Examples include headwalls, curb and gutter, sidewalks, waterways, or other 600 series pay items as referenced in their specification. Bridges, culverts, walls, and foundations are considered structural and are specified under Sections 552 or 553. |

## Section 601. — MINOR CONCRETE STRUCTURES

**601.07** **Acceptance.** Add the following:

The concrete mixture’s density, air content, slump, temperature, and compressive strength will be evaluated under Subsections 106.02 and 106.04.

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| **Table 601-2****Sampling, Testing, and Acceptance Requirements** |
| **Material or****Product****(Subsection)** | **Type of****Acceptance****(Subsection)** | **Characteristic** | **Test Methods****Specifications** | **Sampling****Frequency** | **Point of****Sampling** | **Split****Sample** | **Reporting****Time** | **Remarks** |
| **Source** |
| Aggregate(703.01 & 703.02) | Measured andtested forconformance(106.04 & 105) | Quality | Subsection703.01 &703.02 | 1 permaterialtype | Source ofmaterial | Yes | Beforeproducing | **−** |
| **Mix Design** |
| ConcreteComposition(601.03) | " | All | Subsection601.03 | 1 permixdesign | " | Ifrequested | " | **−** |
| **Production** |
| Concrete(1) | Measured andtested forconformance(106.04) | Density | AASHTOT 121 | 1 set per30 yd3(25 m3),but not lessthan 1 perday | Dischargestream atpoint ofplacing | No | Uponcompletingtests | − |
| Air content | AASHTOT 152 orAASHTOT 196 | " | " | No | " | − |
| Slump | AASHTOT 119 | " | " | No | " | − |
| Temperature | ASTMC1064 | " | " | No | " | − |
| Compressivestrength(2)(3)(28-day) | AASHTOT 23 & T 22 | 1 set per30 yd3(25 m3),but not lessthan 1 perday | Dischargestream atpoint ofplacing | No | 28days | Delivercylinders tothe CO ordesignatedlaboratoryfor scheduled testing |
| (1) Sample according to AASHTO R 60, except composite samples are not required.(2) Cast at least four compressive strength test cylinders for 6- by 12-inch (150- by 300‑millimeter) specimens or six compressive strength cylinders for 4‑ by 8-inch (100- by 200-millimeter) and carefully transport the cylinders to the job site curing facility.(3) A single compressive strength test result is the average result from two 6- by 12-inch (150- by 300-millimeter) or three 4- by 8-inch (100‑ by 200-millimeter) cylinders cast from the same load.(4) If the point of placement is different from the point of discharge, correlate the discharge tests with the placement tests to document the changes. |