

**CITY OF PEORIA  
ENGINEERING DEPARTMENT  
MATERIALS TESTING & SAMPLING GUIDE  
(Revised 1/28/05)**

**TABLE 1 - ACCEPTANCE SAMPLING GUIDE FOR ABC AND ASPHALT**

<b>STANDARD MAG SPEC SECTION</b>	<b>MATERIAL</b>	<b>TYPE OF TEST (S) REQUIRED</b>	<b>SAMPLING POINT</b>	<b>MINIMUM SAMPLING FREQUENCY</b>
701,702	Aggregate Base*  (ABC)	Proctor Density	Roadway and Pipe Bedding	At start of production, then as material changes
		Compaction	Roadway and Pipe Bedding	One per 500ft, per lift, per lane pass
		Gradation, PI	Roadway and Pipe Bedding	One per project, or one per 1000 Tons or fraction thereof
321,322,323, 710	Hot In-Place Asphaltic Concrete	Oil Content and Gradation**	If no City Inspector is at plant, sample in-place	One per day or one per 500 Tons or fraction thereof
321,322	Hot In-Place Asphaltic Concrete	Mix Design Properties		Test Not Required
		Density/Nuc	Roadway	One per 500 ft per lift, per lane pass
		Density/Core	Roadway	5 to 7 cores per mix/project ** (additional cores to be taken if source or mix changes)Per Engineer

Remarks:

\*If Asphalt Millings are used for bedding, they shall meet the requirements of virgin aggregate base course. Asphalt Millings are not accepted as ABC for pavement cross-section.

\*\* Asphalt deficient in oil content, at the direction of the City Inspector/Lab, will be cored 50' on both sides of failed section. The results of these 2 cores will be averaged with the original test result. Also the cores for gauge calibration.

The City Inspector on an as needed basis may require additional tests.

**TABLE 2 - ACCEPTANCE SAMPLING GUIDE FOR CONCRETE**

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<b>STANDARD MAG SPEC SECTION</b>	<b>MATERIAL</b>	<b>TYPE OF TEST (S) REQUIRED</b>	<b>SAMPLING POINT</b>	<b>MINIMUM SAMPLING FREQUENCY</b>
505,701,702, 725	Concrete Flat Work, CIP, Structural	Compressive Strength	At Discharge	One set of four cylinders per 50 C.Y. or one per shift.
		Slump, Time & Temperature*	At Discharge	One per set of cylinders
		Thickness	Roadway	See Spec
	Structural Pre – Cast **& Re-Bar	Certification	Project	1 per 100 LF of Item. Re- Bar size and heat number.
701,702,725, 728	Lean Mix Concrete (Slurry)	Compressive Strength	At Discharge	One set of four cylinders per shift (Per Engineer)

Remarks:

\*Concrete spec. for time is 90 minutes and temperature is 90 degrees.

\*\*Manhole Shafts & Concrete Pipe need to have acceptance stamp on them and VCP need D-Load test results from Certified Lab.

The City Inspector on an as needed basis may require additional tests.

**Verification Packet Should Include the Following:**

All laboratories must submit a Verification Packet at the end of the Project stating that the testing for the said project was in according to ASTM and/or AASHTO test procedures, including P.E.'s stamp.

Sampling and testing was in accordance to The City of Peoria Acceptance Sampling Guide.

Testing was in accordance to MAG and the City of Peoria Supplements to MAG for Soils Subgrade and Trench Compaction, Aggregate Base Course and Asphalt sampling and compaction and concrete sampling and cylinder breaks.

**TABLE 3 - ACCEPTANCE SAMPLING GUIDE FOR SOIL**

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<b>STANDARD MAG SPEC SECTION</b>	<b>MATERIAL</b>	<b>TYPE OF TEST (S) REQUIRED</b>	<b>SAMPLING POINT</b>	<b>MINIMUM SAMPLING FREQUENCY</b>
206,601,603 205,301	Soil Backfill or Trench Backfill	Proctor Density	In-Place	One per soil type
		Compaction	In-Place	One per 500 ft,per lift
		Proctor Density	Roadway	One per soil type
	Subgrade	Compaction	Roadway	One per 500 ft,per lift
		Gradation, PI	Roadway In-Place	One per soil type
	Manholes and Laterals	Compaction	In-Place	One per structure, pipe and lateral trench at various lifts
205,601	Roadway Excavation, Embankments	Proctor Density	In-Place	One per soil type
		Compaction	In-Place	One per 1000 C.Y.
		Gradation, PI	In-Place or Source	One per soil type
211	Fill Construction	Compaction	In-Place	One per 500 ft,per 8"lift (MAG211.3)

Remarks:

All Compaction failures will be re-tested using a Sandcone. Any resulting failure will be re-worked before any re-tests are performed.

The Nuclear Gauge shall be calibrated against the Sandcone at least every ten tests or per Engineer. Rock correction shall be used for any + #4 material to obtain Max Proctor Density.

The City Inspector on an as needed basis may require additional tests.

(Revised 1/05)