

2014 City of Phoenix Compaction Requirements

City of Phoenix Supplements

Trench Excavating, Backfilling and Compaction City Supplement Table 601-3 % Moisture for Trench Backfill +2 to -2 % Optimum Moisture (City Supplement 601.3.2 2012)

City Supplement Table 601-3				
Minimum Density Required for Trench Backfill				
Backfill Type	Location	Surface to 2' below Surface	From 2' below surface to 1' above top of pipe	From 1' above top of pipe to bottom of trench
I	Under any existing or proposed pavement, curb, gutter, sidewalk or, such construction included in the contract, or when any part of the trench excavation is within 2' of the above.	100% for Granular 100% for Non-Granular	95%	95%
II	On any utility easement, street, road or alley right-of-way outside limit (I)	85%	85%	95%
III	Around any structures or exposed utilities	95% in all cases		

Native Subgrade , City of Phoenix Supplement 301

% Moisture +2 to -2 % Optimum Moisture

301.3 Relative Compaction (City of Phoenix Supplement 2012)

(A) Street Section

- (1) Asphalt Pavement/Concrete Pavement 95%
- (2) ABC 100%
- (3) Top 6" Subgrade (under ABC) 100% for Arterial Streets/Major Streets
- (4) Top 6" Subgrade (under ABC) 95% for Collector/Local Streets
- (5) Top 6" Subgrade (under Asphalt/Concrete) 100%

(B) Sidewalks 90% (Not Subject to Vehicular Traffic)

(C) Curbs, Gutters, ADA ramps, Driveways, Driveway Entrance: 95%

(D) Manholes (Under and Around) 95% (City Supplement Table 601-3 2012 Type III)

Untreated Base, (ABC) City of Phoenix Supplement 301

% Moisture +2 to -2 % Optimum Moisture

- ABC Under Asphalt 100%
- ABC Under Concrete 95%
- ABC Under Concrete Slab on Grade 95%

Asphaltic Concrete Paving City of Phoenix (Contract Boiler Plate)

- Asphalt Base Course and Surface Course Mat. 95%
- Asphalt Base Course and Surface Course Joints* 95% * Within 12" of the joint

(Asphalt Cores needed to check gauge calibration and/or at inspectors request) MAG 321.14.4

Table 321-2 Asphalt Concrete Mix Temperature at Production Plant		
Type of Asphalt	Minimum Temperature F	Maximum Temperature F
Conventional Asphalt (1/2", 3/4", 1 1/2")	265	325
Rubberized Asphalt	285	350

Base paving 2" or greater, atmospheric Temperature shall 40 degrees F and rising (City Supplement 321.3 2012)

For all surface paving or any pavement less than 2" thick, surface temperature shall be 50 degrees F or greater (City Supplement 321.3 2012)

These requirements are for **most** City of Phoenix Projects. Check individual project plans and specifications for job specific requirements
 Any questions please contact Richard Soltero (602) 495-2063