

City of Casa Grande
Office of the Public Works Department
Engineering Division

MEMORANDUM

Date Issued: 01/07/13

TO: Engineers, Designers, Architects, Contractors,
Developers

FROM: Gregory B Smith, PE/PS
Deputy Public Works Director –
City Engineer

RE: Engineering Directive 2013-001
Pavement Cross-section Requirements

Section 16.16.140 of the City Code delegates to the City Engineer responsibility and authority to establish the criteria/requirements for pavement placed within the public rights-of-ways. In accordance with that responsibility and authority, the following Engineering Directive is published to clarify the City's expectations for the design and construction of roadway pavements within the public rights-of-ways.

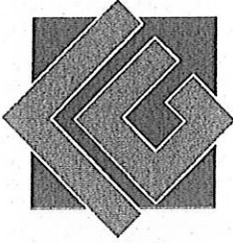
The following minimum cross-sections shall apply to all pavements within the public rights-of-ways.

Roadway Type	AC Section	ABC Section
Parkways	2" Surface Course (12.5 mm) plus 3" Base Course (19 mm)	10' ABC
Arterials (Major & Minor)	2" Surface Course (12.5 mm) plus 3" Base Course (19 mm)	10' ABC
Major Collectors	2" Surface Course (12.5 mm) plus 3" Base Course (19 mm)	10' ABC
Non-industrial Minor Collectors & Non-industrial Local Streets	1" Surface Course (12.5 mm) plus 2" Base Course (19 mm)	8' ABC
Others	As determined by an approved pavement design report, but in no case less than that required for "Local Streets".	As determined by an approved pavement design report, but in no case less than that required for "Local Streets".

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Prior to permit approval every project shall provide a geotechnical report that shall address, as it relates to the proposed roadway system of the project, the recommended pavement cross-section. The geotechnical report shall be prepared by a professional engineer licensed by the State of Arizona and shall be submitted as part of the plans. No plans shall be approved by the City Engineer without an approved pavement design report (can be a stand-alone document or a part of an overall geotechnical report). The approved pavement cross-section shall be clearly and prominently show on the paving plans.

The pavement cross-sections noted above are the minimum sections allowed on City roadways without the approval of the City Engineer. Site/soil conditions may require a more robust section as determined by the approved pavement design report.

As required by Section 16.16.010 of the City Code, all construction work shall conform to the appropriate sections of the Uniform Standard Specifications for Public Works Construction and the Uniform Standard Details for Public Works Construction, as sponsored and distributed by Maricopa Association of Governments and with the Manual on Uniform Traffic Control Devices.