



PROCESS
INDUSTRY
PRACTICES

COMPLETE REVISION
October 2022

Civil

PIP CVS02350
Roadway, Area Paving, and Surfacing
Construction Specification

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PURPOSE AND USE OF PROCESS INDUSTRY PRACTICES

In an effort to minimize the cost of process industry facilities, this Practice has been prepared from the technical requirements in the existing standards of major industrial users, contractors, or standards organizations. By harmonizing these technical requirements into a single set of Practices, administrative, application, and engineering costs to both the purchaser and the manufacturer should be reduced. While this Practice is expected to incorporate the majority of requirements of most users, individual applications may involve requirements that will be appended to and take precedence over this Practice. Determinations concerning fitness for purpose and particular matters or application of the Practice to particular project or engineering situations should not be made solely on information contained in these materials. The use of trade names from time to time should not be viewed as an expression of preference but rather recognized as normal usage in the trade. Other brands having the same specifications are equally correct and may be substituted for those named. All Practices or guidelines are intended to be consistent with applicable laws and regulations including OSHA requirements. To the extent these Practices or guidelines should conflict with OSHA or other applicable laws or regulations, such laws or regulations must be followed. Consult an appropriate professional before applying or acting on any material contained in or suggested by the Practice.

This Practice is subject to revision at any time.

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1. Scope

This Practice provides requirements for construction of roadways, area paving and surfacing within plant boundaries. This Practice is intended for surfaces expected to bear at least occasional vehicle traffic but may be specified for other areas as well.

2. References

Applicable parts of the following Practices and industry codes and standards shall be considered an integral part of this Practice. The edition in effect on the date of contract award shall be used, except as otherwise noted. Short titles will be used herein where appropriate.

2.1 Process Industry Practices (PIP)

- PIP CVI02350 - *Roadway and Area Paving General Notes and Typical Details*
- PIP CVS02100 - *Site Preparation, Excavation, and Backfill Specification*
- PIP STS03001 - *Plain and Reinforced Concrete Specification*

2.2 Industry Codes and Standards

- ASTM International (ASTM)
 - ASTM C131/C131M - *Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine*
 - ASTM D977 - *Standard Specification for Emulsified Asphalt*
 - ASTM D1883 - *Standard Test Method for California Bearing Ratio (CBR) of Laboratory-Compacted Soils*
 - ASTM D2027/D2027M - *Standard Specification for Cutback Asphalt (Medium-Curing Type)*
 - ASTM D2028/D2028M - *Standard Specification for Cutback Asphalt (Rapid-Curing Type)*
 - ASTM D2041/D2041M - *Standard Test Method for Theoretical Maximum Specific Gravity and Density of Asphalt Mixtures*
 - ASTM D2397/D2397M - *Standard Specification for Cationic Emulsified Asphalt*
 - ASTM D2726/D2726M - *Standard Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Asphalt Mixtures*
 - ASTM D2940/D2940M - *Standard Specification for Graded Aggregate Material for Bases or Subbases for Highways or Airports*
 - ASTM D2950/D2950M - *Standard Test Method for Density of Bituminous Concrete in Place by Nuclear Methods*
 - ASTM D3282 - *Standard Practice for Classification of Soils and Soil-Aggregate Mixtures for Highway Construction Purposes*
 - ASTM D3381/D3381M - *Standard Specification for Viscosity-Graded Asphalt Binder for Use in Pavement Construction*