



PROCESS  
INDUSTRY  
PRACTICES

COMPLETE REVISION  
*January 2017*

***Civil***

**PIP CVS02350  
Roadway and Area Paving  
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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### **PUBLISHING HISTORY**

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# PIP CVS02350 Roadway and Area Paving Construction Specification

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## **1. Scope**

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This Practice provides requirements for construction of roadways and area paving within plant boundaries.

## **2. References**

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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 D1557 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft<sup>3</sup> (2,700 kN-m/m<sup>3</sup>))
  - ASTM D1883 - Standard Test Method for California Bearing Ratio (CBR) of Laboratory-Compacted Soils
  - ASTM D2026/D2026M - Standard Specification for Cutback Asphalt (Slow-Curing Type)
  - 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 Bituminous Paving Mixtures
  - ASTM D2487 - Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)
  - ASTM D2726/D2726M - Standard Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous 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