

Proposed Revision To: <input checked="" type="checkbox"/> Standard Specifications For Public Works Construction <input type="checkbox"/> Standard Plans For Public Works Construction	Change No. 327 SM (ASSIGNED BY GREENBOOK COMMITTEE)
BNi Publications Inc. Attn: Public Works Standards, Inc. 990 Park Center Drive, Suite E Vista, California 92081	Date Proposal Received 09/14/22 (ASSIGNED BY GREENBOOK COMMITTEE)
<p align="center">Subsection or Standard Plan to be revised: 203-6.1 General, 203-6.7.2, 203-11.3, 203-11.9, 302-9.3, 302-9.4 On page(s): 97, 105, 113, 340</p>	
<p>Warning: Public Contract Code §3400 prohibits any local agency specification that limits bidding, directly or indirectly, to any one specific concern or product. If this revision describes a proprietary or patented product, it must identify other products which equally perform the functions of the proprietary or patented product.</p>	
<p><u>Revision:</u></p> <p>203-6.1 “General. Asphalt concrete shall be the product of mixing mineral aggregate and up to 20 percent reclaimed asphalt pavement (RAP) with asphalt binder at a central mixing plant.”</p> <p>“Asphalt concrete may be produced using a warm mix asphalt (WMA) technology. When so specified in the Special Provisions, asphalt concrete may contain greater than 20 percent RAP. All <u>Asphalt concrete must conform to the requirements shown section 203-6”</u></p> <p>“203-6.7.2 “Warm Mix Asphalt (WMA) Technologies. Asphalt concrete and/or Asphalt Rubber Hot Mix (ARHM) mixtures may be produced using a WMA technology but shall be designated per 203.6.4.1; i.e. ARHM-GG-C-WMA.” if so specified in the Special Provisions.</p> <p>If utilized in the mix design, the selected WMA technology shall be listed the current Caltrans Authorized Materials List.</p> <p>203-11.9 Miscellaneous Requirements. Miscellaneous requirements shall conform to 203-6.9 except that the temperature of the asphalt rubber binder shall be 375°F (190°C) to 425°F (218°C) when added to the aggregate. The temperature of the aggregate at the time of adding the asphalt-rubber binder shall be <u>sufficient to meet the requirements in 302-9.3. 300°F (149°C) to 330°F (166°C).</u></p> <p>302-5.9.1 General. Asphalt concrete shall not be placed unless the atmospheric temperature is at least 50°F (10°C) and rising, and the surface temperature of the underlying material is a minimum of 50°F (10°C). Atmospheric and surface temperatures at the time of placement of asphalt concrete or asphalt rubber hot mix (ARHM) produced using a warm mix asphalt (WMA) technology shall conform to 203-6.7.2. Asphalt concrete shall not be placed during rain, snow, or other weather which may be detrimental to conformance with the Specifications.</p> <p>“302-9.3 Placement. Placement shall conform to 302-5.9.1 except that at the time of delivery to the Work site, the temperature of the ARHM shall be between 300°F (149°C) and 330°F (166°C), <u>or if using WMA technologies temperatures shall be between 270°F (135°C) and 325°F (149°C), and ARHM shall be placed in one course as shown in Table 302-9.3</u> The atmospheric temperature shall be 50°F (10°C) and rising. When the atmospheric temperature is above 85°F (29°C), the temperature of the ARHM at the time of delivery to the Work site may be reduced to 290°F (143°C), if so approved by the Engineer.</p> <p>302-9.4 Rolling. Rolling shall conform to 302-5.10 except that vibratory rollers using the vibratory mode shall be used for initial breakdown rolling. The initial coverage of breakdown rolling shall commence before the</p>	

ARHM temperature falls below 290°F (143°C) or 260°F (126°C) if using WMA technology. If the atmospheric temperature is above 85°F (29°C), the initial breakdown rolling temperature may be reduced to 280°F (138°C). Pneumatic rollers shall not be used. If the initial breakdown rolling temperature is reduced, the Contractor shall not be relieved of the density requirements.

Reason For Revision:

Industry has a vested interest and obligation in reducing of greenhouse gases and general emissions. Utilizing WMA and increased recycle achieves these goals while increasing our pavement sustainability and long-term performance. In addition, the current specification is currently prohibitive to Contractor/Producer entitlement to utilize WMA technology and/or 25% rap. These requests for revision are currently available measures on all State projects, material placed on City and County projects should be in line.

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Instructions: Use a separate form for each revision. Attach plain paper if more space is needed. For minor changes, copy present wording striking out words to be deleted and underlining new text. For major changes, rewrite or add paragraph or sections. All proposed revisions must include the reason(s) for the revision.

Subcommittee Action: On _____
(Date)
 Recommended For _____ Supplement/Edition
 Rejected As Modified

Editorial Standards Subcommittee Review:
On _____
(Date)
 Reviewed For Surf/Und/Spec/Plans Subcommittee
 NO Modifications As Modified

Greenbook Committee Action:

On _____
(Date) Approved For _____ Supplement/Edition As Modified
 Rejected