

Pavement Smoothness Submittal Review Checklist for Resident Engineers

A: QC Plan Submittal Review Checklist

<input type="checkbox"/>	1. Contacts names and phone numbers of those responsible for monitoring smoothness
<input type="checkbox"/>	2. Inertial profiler certifications
<input type="checkbox"/>	3. Operator certifications
<input type="checkbox"/>	4. Manufacturer instructions for test procedures and verification
<input type="checkbox"/>	5. Schedule: Methods and timing used for monitoring, testing ride quality, or both, throughout the placement process
<input type="checkbox"/>	6. Begin and End semipermanent reference points established in accordance with the plans. Label used in the field in the format of XXXX-D-L-VAL. For example: <ul style="list-style-type: none">• Beg-NB-1-861+69.60-INC, End NB-1214+21.10-INC, where DMI stationing increases in the northbound direction• Beg-SB-1214+21.10-DEC, END-SB-861+69.60-DEC, where DMI stationing decreases in the southbound direction
<input type="checkbox"/>	7. A KMZ file for Beg and End semipermanent reference points (SPRP)
<input type="checkbox"/>	8. A listing of GPS coordinates of all SPRP for Beg and End and know leave-outs
<input type="checkbox"/>	9. Color photographs clearly displaying the label used to define the Beg and End SPRP

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B: Checklist for Receipt of Contractor Inertial Profile Runs, Videos or Photos Every 52.8 feet and Summary PDF Reports

PROFILE	Type A, RHMA-G, or BWC	OGFC on Existing Pavement	OGFC on New HMA	New Concrete Pavement	Grind Existing Concrete Pavement
Exist PPF		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exist Video of Photos	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exist Summary Report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Baseline PPF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Baseline Video or Photos	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Baseline Summary Report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pave PPF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pave Summary PPF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Final PPF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Final Summary PPF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTE: Do not insert contractor's storage devices into state computers. Place in a sealed envelope and label "Save, do not open."

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C: Checklist for Review Payment Adjustment Request

<input type="checkbox"/>	1. Review naming convention of the XLSM and PVP. Do they match and are they named in accordance with Section 36-3.01C(6)(b), "ProVAL Project File," of the <i>Standard Specifications</i> .
<input type="checkbox"/>	2. Perform a cursory review of the ProVAL project file to see that all profiles line up and leave-outs are appropriate.
<input type="checkbox"/>	3. Check Column T on the "PayAdj" for misaligned data.
<input type="checkbox"/>	4. Review the accuracy of the general input sections on rows 2 through 8 of the "PayAdj" worksheet.
<input type="checkbox"/>	5. List layer thickness in cell N7 for HMA only; it's critical for Type A, RHMA-G, and BWC, and information only for OGFC.
<input type="checkbox"/>	6. List total opportunities for improvement in cell O7 for HMA only; it's critical for Type A, RHMA-G, and BWS, and information only for OGFC.
<input type="checkbox"/>	7. List HMA type and condition in cell R7 for HMA only. For concrete, check concrete pay table selection.
<input type="checkbox"/>	8. Review the accuracy of columns C and D to verify that the check box on segments for which full-width segment corrections or partial-width segment corrections are used; for HMA only.
<input type="checkbox"/>	9. Where full-width segment corrections are used, verify the opportunities were increased by 1 more than the default value entered in cell O7.
<input type="checkbox"/>	10. Validate the exported data directly from the ProVAL project file PVP to verify that the contractor did not manipulate values between the time they exported the data from ProVAL and the time it was imported to the "green" tabbed worksheets.
<input type="checkbox"/>	11. Review the values in the "total opportunities for improvement" in column M. These values default to the value entered into cell O7, but can be overridden where necessary.
<input type="checkbox"/>	12. Verify that all areas of localized roughness (ALR) are less than 160 inches per mile of ALRMax. The contractor indicates this with a "zero" in column R.
<input type="checkbox"/>	13. Verify that the engineer's "Overall MRI" values from verification profiles are within 10 percent of the contractor's

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D: Payment and Data Submittal

<input type="checkbox"/>	1. Issue a change order. Fund using supplemental funds for pavement smoothness incentive or disincentives.
<input type="checkbox"/>	2. Make payment adjustments on monthly progress estimates
<input type="checkbox"/>	<p>3. Submit the PVP and XLSM file within 2 weeks of each payment adjustment for:</p> <p>a. Hot mix asphalt pavement: Asphalt.Smoothness@dot.ca.gov</p> <p>b. Concrete pavement: Concrete.Smoothness@dt.ca.gov</p> <p>Include the following text in the subject line: Smoothness Adjustment, Contract ##_#####4 CO ##, EST ##</p>