

**INTELLIGENT COMPACTION QUALITY CONTROL REPORT SUMMARY
FOR HOT MIX ASPHALT WITH DENSITY REQUIREMENT**

CEM-IC16 (NEW 08/08/2015)

PROJECT INFORMATION/NAME	CONTRACT NUMBER	CO/RTE/PM
	PROJECT IDENTIFIER NUMBER	
	CONTRACTOR NAME	

Instruction: This form to be used by the contractor to summarize the daily hot mix asphalt intelligent compaction quality control report information. For questions about this form send an email to: IC@dot.ca.gov

HOT MIX ASPHALT (HMA) PLACEMENT INFORMATION

HMA Placement Location		HMA Placement Date
Beginning Station	Ending Station	
IC Quality Control Technician (ICQCT)		ICQCT Phone Number

DAILY COMPACTION QUALITY CONTROL REPORT SUMMARY

Note: Intelligent compaction target values are determined from hot mix asphalt test stripe.

Breakdown Compaction Vibratory Steel Drum Roller Number of Passes

_____ Target number of roller passes	_____ Percent work area covered by minimum number of roller passes
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Does the number of passes for IC vibratory steel drum roller compaction shown on final coverage histogram of number of passes show that at least 90 percent coverage of the HMA placement area met or exceed the minimum number of roller passes based on target value established at the test stripe?

Yes No

If no, corrective action taken:

Breakdown Compaction Intelligent Compaction Measurement Value

_____ Target intelligent compaction measurement value	_____ Daily average intelligent compaction measurement value
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Does the daily average intelligent compaction measurement value for final coverage of IC vibratory steel drum roller meet or exceed the target intelligent compaction measurement value established at the test stripe?

Yes No

If the answer is no, is the daily average intelligent compaction value at least 81 percent of the target measurement value?

Yes No

If the answer is no, reestablish the intelligent compaction measurement value.

Intermediate Compaction Roller Number of Passes

_____ Target number of roller passes	_____ Percent work area covered by minimum number of roller passes
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Does the number of passes for intermediate compaction roller shown on final coverage histogram of number of passes show that at least 90 percent coverage of the HMA placement area met or exceed the minimum number of roller passes based on target established at the test stripe?

Yes No

If no, corrective action taken:

**Notes: 1) Results from intelligent compaction are for contractor quality control purposes and not to be used as Caltrans acceptance of HMA.
2) When the daily average intelligent compaction measurement meets or exceeds the target value and density is verified by contractor nuclear gage quality control test results, then corrective action for number of passes is not required.**

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Additional Intelligent Compaction Vibratory Steel Drum Roller Compaction		
If roller pattern shown on <i>Contractors Establishment of Break Over Density</i> form includes addition rolling using IC vibratory steel drum roller after pneumatic rubber tire rolling provide the following information: <input type="checkbox"/> Yes <input type="checkbox"/> Not Required		
Roller Number of Passes		
_____ Target number of roller passes	_____ Percent work area covered by minimum number of roller passes	
Does the number of passes for IC vibratory steel drum roller compaction shown on final coverage histogram of number of passes show that at least 90 percent coverage of the HMA placement area met or exceed the minimum number of roller passes based on target value established at the test stripe? <input type="checkbox"/> Yes <input type="checkbox"/> No		
If no, corrective action taken:		
Intelligent Compaction Measurement Value		
_____ Target intelligent compaction measurement value	_____ Daily average intelligent compaction measurement value	
Does the daily average intelligent compaction measurement value for final coverage of IC vibratory steel drum roller meet or exceed the target intelligent compaction measurement value established at the test stripe? <input type="checkbox"/> Yes <input type="checkbox"/> No If the answer is no, is the daily average intelligent compaction value at least 81 percent of the target measurement value? <input type="checkbox"/> Yes <input type="checkbox"/> No If the answer is no, reestablish the intelligent compaction measurement value.		
Note: 1) Results from intelligent compaction are for contractor quality control purposes and not to be used as Caltrans acceptance of HMA.		
2) When the daily average intelligent compaction measurement meets or exceeds the target value and density is verified by contractor nuclear gage quality control test results, then corrective action for number of passes is not required.		
Quality Control Report Information		
Veta Analysis Completed by	Veta Analysis by Email Address	Veta Analysis by Phone Number
Quality Control Report Completed by (print name)	Signature	Date
Compaction Quality Control Report Review		
COMMENTS:		
I have reviewed the intelligent compaction results shown on compaction quality control report for compliance with the contract specifications and taken corrective action when required.		
Quality Control Manger (print name)	Signature	Date Reviewed
Compaction Quality Control Report Submittal Information		
Submit hardcopy to resident engineer within 1 business day of HMA placement.	Submitted by (print name)	Date
Submit Adobe *.pdf file to resident engineer within 1 business day of HMA placement.	Submitted by (print name)	Date
Submit Adobe *.pdf file to IC@dot.ca.gov within 1 business day of HMA placement.	Submitted by (print name)	Date