

Instruction:

Use this checklist form to review the completeness of IC daily compaction report. Check all the boxes that apply

<b>Intelligent Compaction Pre-mapping Check list</b>		
Contract No.	Dist-Co-Rte-PM	Contractor
CIR Location	Beginning Station	Ending Station
GPS Site Calibration Date	Roller Check Testing <input type="checkbox"/> Yes <input type="checkbox"/> NO	
IC Technical Representative(ICTR)	ICTR Phone Number	
IC Quality Control Technician (ICQCT)	ICQCT Phone Number	
<b>IC Pre-mapping Report</b> (Check all that apply)- Contractor must submit color layouts of intelligent compaction measurement value for the existing pavement 10 days before production.		
<input type="checkbox"/> submitted Pre-mapping report 10 days prior to production	<input type="checkbox"/> Partial submittal Of pre-mapping report	<input type="checkbox"/> Did not submit Pre-mapping report 10 days prior to production
<b>VEDA Analysis Results</b>		
<input type="checkbox"/> histogram of intelligent compaction measurement value of steel drum roller with vibratory on		
<b>Color Layout Plots</b>		
<input type="checkbox"/> color layouts of intelligent compaction measurement value for the existing pavement		

## Intelligent Compaction Daily CIR Construction Checklist

Contract No.	Dist-Co-Rte-PM	Contractor
CIR Location	Beginning Station	Ending Station
CIR Construction Date		
IC Technical Representative(ICTR)		ICTR Phone Number
IC Quality Control Technician (ICQCT)		ICQCT Phone Number
<input type="checkbox"/> Test strip not required today		Test Strip Completed Date
<input type="checkbox"/> Nuclear gage density per location	<input type="checkbox"/> GPS measured coordinates per location	
<input type="checkbox"/> Nuclear gage correlation to core densities		
<input type="checkbox"/> All passes compaction curves from Veda	<input type="checkbox"/> All passes correlation analysis report from Veda	
<b>CIR Compaction Quality Report</b> (Check all that apply)		
<input type="checkbox"/> Did not submit report	<input type="checkbox"/> Partial submittal	<input type="checkbox"/> Did not submit Report within 1 business day
<b>VEDA Analysis Results</b>		
<b>Initial Compaction</b>		
<input type="checkbox"/> Final coverage histogram of number of passes for each roller and when steel drum roller with vibratory on is used, include histogram of intelligent compaction measurement value		
<input type="checkbox"/> Final coverage histogram of number of passes for each roller for a fixed interval, and when steel drum roller with vibratory on is used, include histogram of intelligent compaction measurement value for a fixed interval.		
<input type="checkbox"/> All passes histogram for each roller		
<b>Color Layout Plots</b>		
<input type="checkbox"/> Roller passes for each roller		
<input type="checkbox"/> compaction measurement value for steel drum roller with vibratory on		
<b>Supplemental Compaction</b>		
<input type="checkbox"/> Final coverage histogram of number of passes for each roller and when steel drum roller with vibratory on is used, include histogram of intelligent compaction measurement value		
<input type="checkbox"/> Final coverage histogram of number of passes for each roller for a fixed interval, and when steel drum roller with vibratory on is used, include histogram of intelligent compaction measurement value for a fixed interval.		
<input type="checkbox"/> All passes histogram for each roller		
<b>Color Layout Plots</b>		
<input type="checkbox"/> Roller passes for each roller		
<input type="checkbox"/> Intelligent compaction measurement value for steel drum roller with vibratory on		
<input type="checkbox"/> All passes histogram for each roller		
<b>Information</b>		
<input type="checkbox"/> CIR temperature locations	<input type="checkbox"/> GPS measured coordinates per temperature location	

<input type="checkbox"/> Nuclear gage density per location	<input type="checkbox"/> GPS measured coordinates per nuclear gage density location
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**Data Files** (Check all that apply)

<input type="checkbox"/> Submitted within 3 business days of HMA placement	<input type="checkbox"/> Not submitted within 3 business days of HMA placement
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Post processed Veda data file type \*.icp used to create the compaction quality control report

Electronic data from compaction rollers for all passes and final coverage in file format readable by Veda

Comments:

## Verification Intelligent Compaction Target Values

Use compaction quality report to verify compliance with specification. Check all boxes that apply.

Contract No.	Dist-Co-Rte-PM	Contractor
HMA Placement Location	Beginning Station	Ending Station
HMA Type	HMA thickness	CIRPlacement Date
Ambient Temperature	Surface Temperature	
<input type="checkbox"/> For all lots, at least 90 percent of the area met or exceed the number of passes for each roller type determined from the test strip for that area.		

<input type="checkbox"/> Warm Mix Asphalt			
IC Requirements	<input type="checkbox"/> HMA Type A Unmodified Asphalt Binder	<input type="checkbox"/> HMA Type A PG-M Asphalt Binder	<input type="checkbox"/> RHMA-G
Breakdown Compaction Minimum Temperature °F 1 <sup>st</sup> PASS	<input type="checkbox"/> ≥240	<input type="checkbox"/> ≥230	<input type="checkbox"/> ≥260
Breakdown Compaction Number of Passes	<input type="checkbox"/> ≥3	<input type="checkbox"/> ≥3	<input type="checkbox"/> ≥3
Intermediate Compaction Minimum Temperature °F Last Pass	<input type="checkbox"/> ≥190	<input type="checkbox"/> ≥170	<input type="checkbox"/> ≥230
Intermediate Compaction Number of Passes	<input type="checkbox"/> ≥3	<input type="checkbox"/> ≥3	<input type="checkbox"/> ≥3
<input type="checkbox"/> Warm Mix Asphalt - Open Graded Friction Course (OGFC)			
IC Requirements	<input type="checkbox"/> OGFC Unmodified Asphalt Binder	<input type="checkbox"/> OGFC PG-M Asphalt Binder	<input type="checkbox"/> OGFC RHMA-O RHMA-HB
Breakdown Compaction Minimum Temperature °F 1 <sup>st</sup> PASS	<input type="checkbox"/> ≥230	<input type="checkbox"/> ≥230	<input type="checkbox"/> ≥270
Complete Compaction Minimum Temperature °F Last Pass	<input type="checkbox"/> ≥190	<input type="checkbox"/> ≥170	<input type="checkbox"/> ≥240
Minimum Number of Passes	<input type="checkbox"/> ≥2	<input type="checkbox"/> ≥2	<input type="checkbox"/> ≥2