GEOSPATIAL DATA AND ANALYSIS JUST-IN-TIME TRAINING REVIEW CHECKLIST

CEM-IC06 (06/20/2016)

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

Instruction: This checklist form is to be completed and submitted by the contractor with the proposed geospatial data and analysis just-in-time training to ensure a complete submittal. The Engineer will use this checklist form to review the proposed training to ensure the training meets the specification requirements before authorizing the training. For questions about this form send an email to: IC@dot.ca.gov

GEOSPACIAL DATA AND ANALYSIS JUST-IN-TIME TRAINING INFORMATION

JITT Trainer Name	JITT Trainer Phone Number
JITT Company/Consultant Name	JITT Trainer Email Address

JITT Trainer Affiliation

☐ Contractor	☐ Roller Manufacturer	☐ IC System	☐ Consultant

JITT for Materials Type

☐ Hot Mix Asphalt	HMA Type	HMA thickness	☐ Cold In-Place Recycling	☐ Soils/ Aggregate Bases

JITT Training Content Provided Using (Check all that apply)

☐ PowerPoint Presentation	☐ Handouts: Procedural Manual, Equipment Manual or Guidance
☐ Computer Demonstration	☐ Field / Hands on Training

Proposed Training Schedule and Location

Training Date	Time	Training Location

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The JITT presentation must include all of the following topics:

IC Vendor Software used to export IC data to Veta readable format_____

Background Information

These columns to be completed by the Contractor.		*This Column For Engineer's Use*
Training Topic	**JITT Presentation**	**JITT Submittal Review**
☐ What is Intelligent Compaction	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment
☐ Information about the specific intelligent compaction system that will be used on the project.	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment
☐ Information about the specific automated machine guidance system that will be used on the project.	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment

COMMENTS:

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Roller Data Retrieval and Analysis		
These columns to be completed by the Contractor.		*This Column For Engineer's Use*
Training Topic	**JITT Presentation**	**JITT Submittal Review**
☐ Transferring raw compaction data from the rollers using USB connections.	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment
☐ Processing of raw compaction data to readable Veta format.	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____ ☐ Computer Demonstration	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment
☐ Operation of vendor's software to open and view raw compaction data files.	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____ ☐ Computer Demonstration	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment
☐ Export all-passes and final coverage in Veta-compatible format.	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____ ☐ Computer Demonstration	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment
The following topic is only required if vendor's software will be used to create boundaries.		
☐ Demonstrate the procedure to use the vendor's software to create boundary for the area of hot mix asphalt daily production.	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____ ☐ Computer Demonstration	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment
COMMENTS:		

Demonstrate Operation of Veta Software		
These columns to be completed by the Contractor.		*This Column For Engineer's Use*
Training Topic	**JITT Presentation**	**JITT Submittal Review**
☐ Import the exported all passes, final coverage and proofing data files	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____ ☐ Computer Demonstration	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment
☐ Import project layout	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____ ☐ Computer Demonstration	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment
☐ Import compaction point test data	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____ ☐ Computer Demonstration	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment
☐ Demonstrate the procedure for creating the boundary for the area of hot mix asphalt or cold in-place recycling daily production	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____ ☐ Computer Demonstration	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment
☐ Perform statistical analysis	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____ ☐ Computer Demonstration	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment
COMMENTS:		

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Demonstrate Veta Software Analysis for Specified Reports		
These columns to be completed by the Contractor.		*This Column For Engineer's Use*
Training Topic	**JITT Presentation**	**JITT Submittal Review**
Premapping is only required for cold-in-place recycling.		
☐ Premapping Report	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____ ☐ Computer Demonstration	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment ☐ Not Required
Test strip is required for cold-in-place recycling and when hot mix asphalt thickness is 0.15 foot or greater.		
☐ Test Strip Report	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____ ☐ Computer Demonstration	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment ☐ Not Required
☐ Compaction Quality Control Report	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____ ☐ Computer Demonstration	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment
COMMENTS:		

Intelligent Compaction Target Values *(Describe the method for how target values will be established)*		
These columns to be completed by the Contractor.		*This Column For Engineer's Use*
Training Topic	**JITT Presentation**	**JITT Submittal Review**
☐ Number of passes	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment
☐ Minimum temperature or temperature range	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment ☐ Not Required
☐ Intelligent compaction measurement values	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment ☐ Not Required
COMMENTS:		

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Specification Requirements for Temperature, Coverage and Uniformity	
☐ Temperature	For HMA, at least 95 percent coverage of the HMA placement area must meet or exceed the minimum temperature specified or determined from test strip.
☐ Coverage	For HMA, at least 90 percent coverage of the HMA placement area must meet or exceed the minimum number of roller passes specified or determined from test stripe. For cold-In-place recycling, at least 90 percent coverage of the CIR placement area must meet or exceed the target roller passes determined from test stripe.
☐ Uniformity	For HMA with density requirement, the daily average intelligent compaction measurement value for final coverage of intermediate compaction must be at least 80 percent of the target intelligent compaction measurement value established at the test stripe.

Proposed Corrective Actions When Requirements Are Not Met For Intelligent Compaction		
These columns to be completed by the Contractor.		*This Column For Engineer's Use*
Training Topic	**JITT Presentation**	**JITT Submittal Review**
☐ Coverage	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment
☐ Temperature	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment ☐ Not Required
☐ Uniformity	☐ Power Point Slides _____ - ____ ☐ Handout Pages _____ - ____	The submitted JITT is adequate? ☐ Yes ☐ No ☐ See Comment ☐ Not Required
COMMENTS:		

Contractor Submittal Information		
Just-In-Time Training Checklist Prepared by (print name)	Just-In-Time Training Checklist Prepared by (signature)	Date
Quality Control Manger (print name)	Quality Control Manger (signature)	Date Reviewed
Submit just-in-time training presentation and handouts for review at least 10 days prior to just-in-time training,	Submitted by (print name)	Date
Submit a list of names participating in the just-in-time training. Identify each participant's name, employer, title, and role in intelligent compaction.	Submitted by (print name)	Date

Resident Engineers Review and Authorization		
Just-In-Time-Training Reviewed by (print name)	Just-In-Time Training Reviewed by (signature)	Date
Proposed geospatial data and analysis just-in-time training complies with the specification requirements? ☐ Yes ☐ No	☐ Geospatial Data and Analysis Just-In-Time Training is Authorized	Date
If no: ☐ Proposed roller operator just-in-time training does not comply with the specification requirements and must be resubmitted after addressing the comments shown.	☐ Geospatial Data and Analysis Just-In-Time Training is Rejected	Date
Resident Engineer (print name)	Resident Engineer (signature)	Date
Contractor notified of accepted or rejected just-in-time training by (print name)		Date