

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

CEM-IC06 (03/29/2016)

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|--------------------------|-----------------|-----------|
| PROJECT INFORMATION/NAME | CONTRACT NUMBER | CO/RTE/PM |
| | 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:

Background Information

These columns to be completed by the Contractor.

This Column For Engineer's Use

| Training Topic | JITT Presentation | JITT Submittal Review |
|---|---|--|
| <input type="checkbox"/> What is Intelligent Compaction | <input type="checkbox"/> Power Point Slides ____ - ____ <input type="checkbox"/> Handout Pages ____ - ____ | The submitted JITT is adequate? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Comment |
| <input type="checkbox"/> Information about the specific intelligent compaction system that will be used on the project. | <input type="checkbox"/> Power Point Slides ____ - ____ <input type="checkbox"/> Handout Pages ____ - ____ | The submitted JITT is adequate? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Comment |
| <input type="checkbox"/> Information about the specific automated machine guidance system that will be used on the project. | <input type="checkbox"/> Power Point Slides ____ - ____ <input type="checkbox"/> Handout Pages ____ - ____ | The submitted JITT is adequate? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Comment |

COMMENTS:

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| Roller Data Retrieval and Analysis | | |
|--|--|--|
| <i>These columns to be completed by the Contractor.</i> | | <i>This Column For Engineer's Use</i> |
| Training Topic | JITT Presentation | JITT Submittal Review |
| <input type="checkbox"/> Transferring raw compaction data from the rollers using USB connections. | <input type="checkbox"/> Power Point Slides ____ - ____ <input type="checkbox"/> Handout Pages ____ - ____ | The submitted JITT is adequate? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Comment |
| <input type="checkbox"/> Processing of raw compaction data to readable Veta format. | <input type="checkbox"/> Power Point Slides ____ - ____ <input type="checkbox"/> Handout Pages ____ - ____ <input type="checkbox"/> Computer Demonstration | The submitted JITT is adequate? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Comment |
| <input type="checkbox"/> Operation of vendor's software to open and view raw compaction data files. | <input type="checkbox"/> Power Point Slides ____ - ____ <input type="checkbox"/> Handout Pages ____ - ____ <input type="checkbox"/> Computer Demonstration | The submitted JITT is adequate? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Comment |
| <input type="checkbox"/> Export all-passes and final coverage in Veta-compatible format. | <input type="checkbox"/> Power Point Slides ____ - ____ <input type="checkbox"/> Handout Pages ____ - ____ <input type="checkbox"/> Computer Demonstration | The submitted JITT is adequate? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Comment |
| <i>The following topic is only required if vendor's software will be used to create boundaries.</i> | | |
| <input type="checkbox"/> Demonstrate the procedure to use the vendor's software to create boundary for the area of hot mix asphalt daily production. | <input type="checkbox"/> Power Point Slides ____ - ____ <input type="checkbox"/> Handout Pages ____ - ____ <input type="checkbox"/> Computer Demonstration | The submitted JITT is adequate? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Comment |
| COMMENTS: | | |
| Demonstrate Operation of Veta Software | | |
| <i>These columns to be completed by the Contractor.</i> | | <i>This Column For Engineer's Use</i> |
| Training Topic | JITT Presentation | JITT Submittal Review |
| <input type="checkbox"/> Import the exported all passes, final coverage and proofing data files | <input type="checkbox"/> Power Point Slides ____ - ____ <input type="checkbox"/> Handout Pages ____ - ____ <input type="checkbox"/> Computer Demonstration | The submitted JITT is adequate? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Comment |
| <input type="checkbox"/> Import project layout | <input type="checkbox"/> Power Point Slides ____ - ____ <input type="checkbox"/> Handout Pages ____ - ____ <input type="checkbox"/> Computer Demonstration | The submitted JITT is adequate? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Comment |
| <input type="checkbox"/> Import compaction point test data | <input type="checkbox"/> Power Point Slides ____ - ____ <input type="checkbox"/> Handout Pages ____ - ____ <input type="checkbox"/> Computer Demonstration | The submitted JITT is adequate? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Comment |
| <input type="checkbox"/> Demonstrate the procedure for creating the boundary for the area of hot mix asphalt or cold in-place recycling daily production | <input type="checkbox"/> Power Point Slides ____ - ____ <input type="checkbox"/> Handout Pages ____ - ____ <input type="checkbox"/> Computer Demonstration | The submitted JITT is adequate? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Comment |
| <input type="checkbox"/> Perform statistical analysis | <input type="checkbox"/> Power Point Slides ____ - ____ <input type="checkbox"/> Handout Pages ____ - ____ <input type="checkbox"/> Computer Demonstration | The submitted JITT is adequate? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Comment |

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

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

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COMMENTS:

| Specification Requirements for Temperature, Coverage and Uniformity | |
|--|--|
| <input type="checkbox"/> 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. |
| <input type="checkbox"/> 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. |
| <input type="checkbox"/> 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

| <i>These columns to be completed by the Contractor.</i> | | <i>This Column For Engineer's Use</i> |
|---|---|---|
| Training Topic | JITT Presentation | JITT Submittal Review |
| <input type="checkbox"/> Coverage | <input type="checkbox"/> Power Point Slides ____ - ____ <input type="checkbox"/> Handout Pages ____ - ____ | The submitted JITT is adequate? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Comment |
| <input type="checkbox"/> Temperature | <input type="checkbox"/> Power Point Slides ____ - ____ <input type="checkbox"/> Handout Pages ____ - ____ | The submitted JITT is adequate? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Comment <input type="checkbox"/> Not Required |
| <input type="checkbox"/> Uniformity | <input type="checkbox"/> Power Point Slides ____ - ____ <input type="checkbox"/> Handout Pages ____ - ____ | The submitted JITT is adequate? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Comment <input type="checkbox"/> 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 |
|--|---|------|

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| Proposed geospatial data and analysis just-in-time training complies with the specification requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Geospatial Data and Analysis Just-In-Time Training is Authorized | Date |
| If no: <input type="checkbox"/> Proposed roller operator just-in-time training does not comply with the specification requirements and must be resubmitted after addressing the comments shown. | <input type="checkbox"/> Geospatial Data and Analysis Just-In-Time Training is Rejected | Date |
| Resident Engineer (print name) Jatinder Singh | Resident Engineer (signature) | Date |
| Contractor notified of accepted or rejected just-in-time training by (print name) | | Date |

Updated 2015-10-24