

**ACCELERATED IMPLEMENTATION OF INTELLIGENT COMPACTION  
TECHNOLOGY FOR EMBANKMENT SUBGRADE SOILS, AGGREGATE  
BASE, AND ASPHALT PAVEMENT MATERIALS**

1<sup>st</sup> Quarterly Progress Report – September 2007 to November 2007  
Prepared by The Transtec Group, Inc.  
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**A. ACCOMPLISHMENTS/SIGNIFICANT FINDINGS BY TASK THIS QUARTER:**

TASK 1 - Technical Working Group (TWG)

- This task is complete.

TASK 2 - Literature Review and Evaluation of Intelligent Compaction Equipment

- This task is complete.

TASK 3 – Preparation of Interim Report and Work Plan Package

- This task under way. A draft interim report and a work plan package are being reviewed by the project team.

TASK 4 – Technical Working Group Initial Meeting

- The Technical Working Group (TWG) initial meeting is scheduled to be held on January 23 and 24, 2008 at the DFW airport area, Dallas, Texas. Meeting facilities are finalized to accommodate the round-table meeting at the Idearc Hotel and Conference Center and the intelligent compaction roller equipment demonstration at the TXDOT North Tarrant district office campus. Travel arrangements for the TWG and project members are complete. Invitations to roller vendors are sent and their attendance confirmed.

TASK 5 - Coordinated IC Field Demonstrations

- Planning is underway. More inputs from TWG will be collected and discussed during the initial TWG meeting.

TASK 6 – Database Management Plan

- A draft plan is being reviewed by the project team.

TASK 7 – Development of a Feasibility Report for an European Scan

- No work is conducted during this period.

TASK 8 – Quality Assurance Training and Assistance

- No work is conducted during this period.

TASK 9 – Presentations

- No work is conducted during this period.

TASK 10 – Annual and Final Reports

- No work is conducted during this period.

**B. WORK PLANNED FOR NEXT QUARTER (NOV 2007 TO JAN 2007):**

TASK 1 - Technical Working Group (TWG)

- This task is complete.

TASK 2 - Literature Review and Evaluation of Intelligent Compaction Equipment

- This task is complete.

TASK 3 – Preparation of Interim Report and Work Plan Package

- A draft interim report and a work plan package will be delivered to the FHWA COTR and all TWG members prior to the TWG meeting.

TASK 4 – Technical Working Group Initial Meeting

- The Technical Working Group (TWG) initial meeting will be held on January 23 and 24, 2008 at the DFW airport area, Dallas, Texas. Both the round-table meeting and the intelligent compaction roller equipment demonstration will be conducted.
- The above interim report and work plan package will be reviewed by the FHWA and TWG and related matters will be discussed during the initial TWG meeting. The package will then be finalized by addressing comments from the FHWA and TWG.

TASK 5 - Coordinated IC Field Demonstrations

- Planning will be underway based on the inputs from TWG during the initial TWG meeting.

TASK 6 – Database Management Plan

- A database plan will be finalized to manage data to be collected during the project period.

TASK 7 – Development of a Feasibility Report for an European Scan

- No work will be conducted during this period unless instructed by the COTR.

TASK 8 – Quality Assurance Training and Assistance

- Quality assurance training and assistance will be conducted along with the IC field demonstration project.

TASK 9 – Presentations

- Presentation may be if opportunity (such as: paving conferences and etc.) comes up.

TASK 10 – Annual and Final Reports

- No work will be conducted during this period.

**C. IDENTIFICATION OF PROBLEMS/RECOMMENDED SOLUTIONS:**

- No problems are identified in this quarter.