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(April 7, 2008)

General

This specification contains requirements for the use of machine control grading.

Instead of providing grade control through construction stakes, the Contractor may control grade with equipment that is controlled by a machine control system.

The Contractor may use any type of equipment and machine control system that produces results meeting the requirements of the Contract.

Electronic data is provided for the Contractor's convenience, and is not a part of the Contract. No guarantee or warranty is made by the Contracting Agency that electronic data provided to the Contractor: is compatible with any of the systems that are used by the Contractor; is complete; is representative of actual conditions at the project site, or; accurately reflects the quantities and character of the actual Work required. The furnishing of electronic design data or documentation shall not relieve the Contractor from any risks or of any duty to make examinations and investigations as required by Section 1-02.4 or any other responsibility under the Contract or as required by law. Except as provided above, no corrections, additions, or updates of any kind will be made to electronic data provided to the Contractor.

The Engineer may perform spot checks of the Contractor's machine control grading results, calculations, records, field procedures, and quality control measures. If the Engineer determines that the Work being performed is not achieving results that will meet the Contract requirements, the Contractor shall make corrections to the Work at no additional cost to the Contracting Agency.

WSDOT Responsibilities

1. The Engineer will set the initial horizontal and vertical control points for the project as shown in the Contract documents.
2. The Engineer will provide additional datum and scale factor information upon request.
3. After execution of the Contract, the Engineer will make available upon written request the following electronic data used to design the project:

*** \$\$1\$\$ ***

Data may be obtained by furnishing a written request to the Project Engineer at the following address:

*** \$\$2\$\$ ***

Contractor's Responsibilities

1. The Contractor shall provide any information or data that is requested by the Contracting Agency for the purpose of performing the verification of quantities, and quality.
2. The Contractor shall be responsible for any edits or conversions of the Contracting Agencies electronic data whether done by the Contractor or a vendor that is hired by the Contractor to perform such edits or conversions.

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3. The Contractor shall be responsible for the accuracy and usability of any data or model that is developed from the Contracting Agencies data.
4. The Contractor shall be responsible for checking and recalibrating Machine Control Equipment as required to achieve results that meet the requirements of the Contract.
5. The Contractor shall be responsible for establishing any additional control points needed to achieve results that meet the requirements of the Contract.
6. The Contractor shall provide the Contracting Agency electronic as-built construction data for the final Roadway surface model in a MicroStation format.
7. One week prior to the start of grading operations the Contractor shall meet with the Engineer's staff to review the grading plans, quality processes, and tolerance requirements.

Payment

All costs associated with the use of machine control grading equipment are incidental to related items of Work, and no additional payment will be provided.