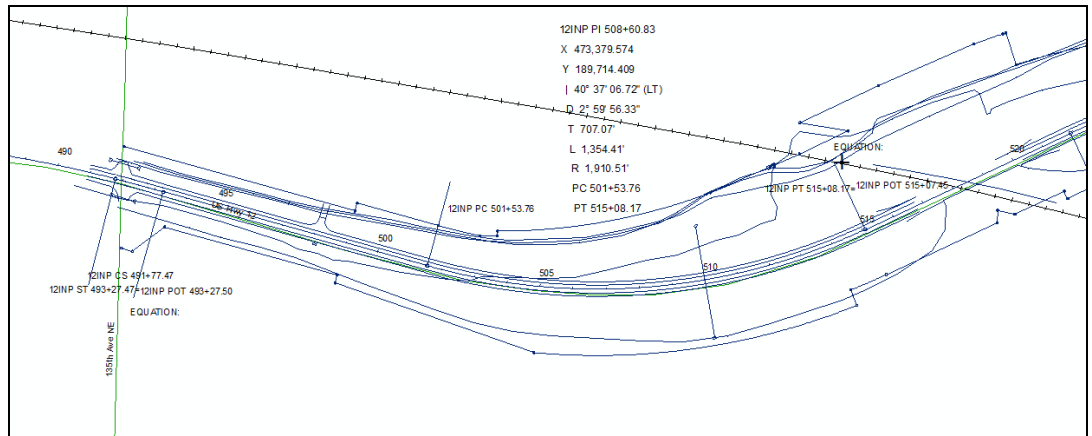


Intelligent Compaction for Quality Assurance

BOMAG Data – TH12 Near Atwater June 28, 2005

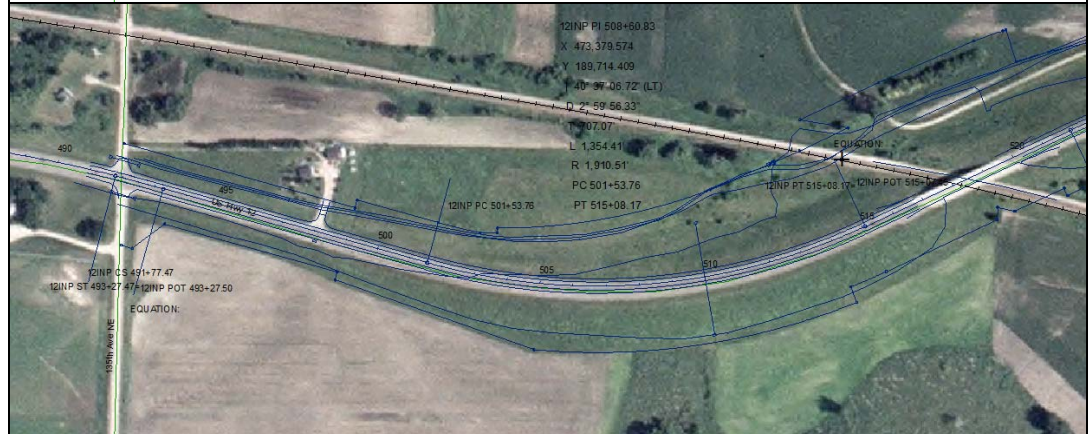
1. Preconstruction

- Import Microstation files into ArcMap.
- Develop coordinate-station conversions.
- Prepare database to process data.
- Obtain aerial photo from GIS archive.



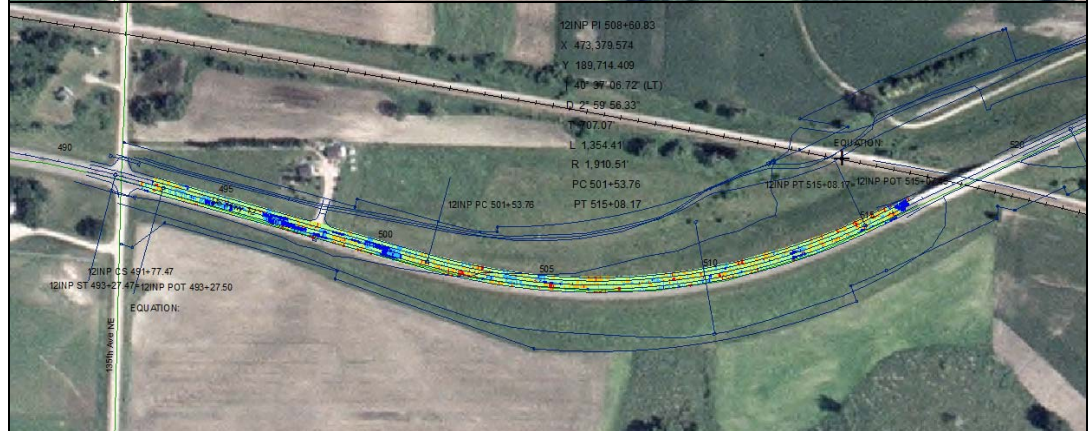
2. Visual Reference

- Include aerial photograph.
- Help Mn/DOT inspector identify quality assurance test locations.



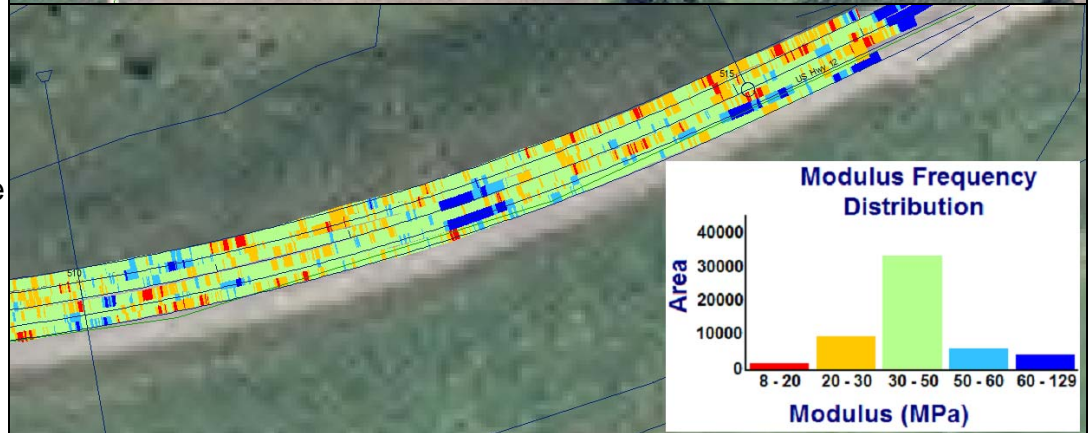
3. Construction Day

- Import compactor data as it becomes available.
- Superimpose compactor data on construction plans.



4. Inspection Points

- Use new material specifications and geostatistical methods to determine locations for quality assurance testing.
- Process quality assurance test results.



Mn/DOT ICTGI Team – November 2005

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