

District Check List

1. Is GPS coverage on the project:
 - good – potential for machine control.
 - fair – provide alternate models (minimal work to Mn/DOT) and note in special provisions that it's a potential problem.
 - poor or none – list in special provisions that this project is not supported for machine control.

2. Is the existing ground information:
 - DTM covers all construction area – potential for machine control.
 - DTM only covers partial areas. – may be a candidate but should have exclusions listed in special provisions.
 - No DTM information – list in special provisions that this project is not supported for machine control.

Note DTM can be either a TIN file from Photogrammetrics or district field generated. LIDAR only data is not desirable at this time as it does not have the required accuracy.

3. What is the dollar value of grading / amount of earth to be moved?
 - More than \$?? - Definite candidate as contractor will want to use it.
 - Between -
 - Less than \$?? – Cost benefit to contract and Mn/DOT minimal. Can be listed as contractor option.

4. Who designed the project?
 - Consultant – Need to review data on a case by case basis.
 - In-house

5. Does the project have cross sections?
 - Yes – still a candidate.
 - No – difficult to make a non-pavement model.

6. Were the cross sections done using standard criteria? If not, what was used? Cite specifics.
7. What percentage of sections have hand modifications in the top of proposed finish grade?
 - 0-5% Average time to create model.
 - 5-10% Time to create model increases.
 - Above 10% Time to create model increases substantially.
8. What percentage of sections have hand modifications in the subsurface?
 - 0-5% Average time to create model.
 - 5-10% Time to create model increases.
 - Above 10% Time to create model increases substantially.
9. Type of projects/part of projects to be done in GEOPAK Site
 - All Ponds, parking lots, trails non adjacent to highways, requires minimal time to create a models.
10. Currently no machine control being done for parts of a projects with grading around approach treatments around Bridges and excavation around walls. These should be listed as exceptions in the special provisions.