



Figure 4. Close-up of 3D camera used to record pavement distress.

Pavement Condition Indices

Mn/DOT uses three indices to report and quantify pavement condition. One index represents pavement roughness, one represents pavement distress and one the overall condition of the pavement. These indices, listed in Table 1, are used to quantify the present condition of the pavement and predict future condition, both of which are needed for project planning and programming. For each index, a higher value means better pavement condition. The indices are reported to the tenths place.

Table 1. Mn/DOT Pavement Condition Indices

| Index Name | Pavement Attribute Measured by Index | Rating Scale |
|-------------------------------------|---|---------------------|
| Ride Quality Index (RQI) | Pavement Roughness | 0.0 - 5.0 |
| Surface Rating (SR) | Pavement Distress | 0.0 - 4.0 |
| Pavement Quality Index (PQI) | Overall Pavement Quality | 0.0 - 4.5 |