



GOODROADS, INC



Asset Management **PROPOSAL**



GoodRoads.io



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Low Cost. High Tech.



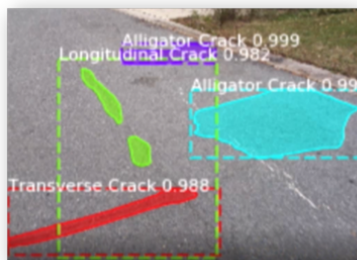
Our low cost, high tech device attaches to the hood/bonnet of any vehicle. As the vehicle drives the device passively captures images, GPS, and ride roughness data.



Our custom camera and protective case allows for accelerated data-collection in a bite-sized package

By deploying our device on your fleet vehicles we can inspect even the largest road networks in a fraction of the time and cost of traditional pavement assessment methods, saving you time and money.

Overnight, the devices upload their data to the cloud via built-in Wi-Fi where our Artificial Intelligence (AI) Models inspect for and measure the surface area of the following distresses according to the American Society for Testing and Materials (ASTM)



- Fatigue/Alligator Cracking
- Block Cracking
- Longitudinal Cracking
- Transverse Cracking
- Slippage Cracking
- Ride roughness and International Roughness Index
- Rutting
- Raveling
- Crack Seal
- Patching
- Potholes

We employ a quality assurance team of human evaluators to review every photo and ensure the quality of our AI.

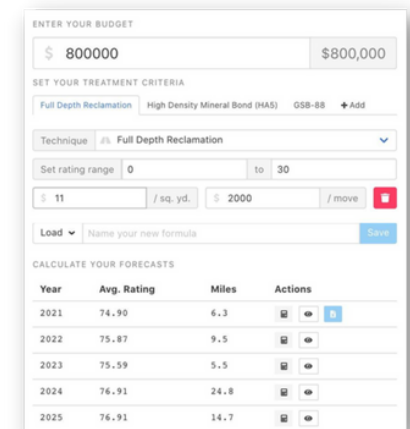
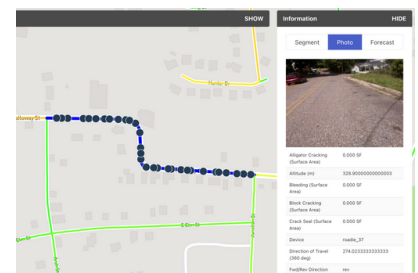
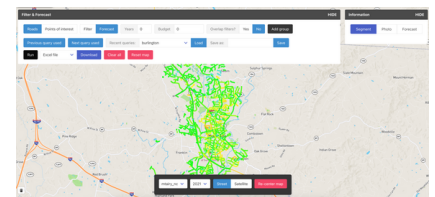


As soon as our AI has finished its inspection, typically within 7 business days after data collection - the results are visible in our easy-to-use web application.

Our application includes detailed distress data for each photo and segment, a rating for each segment using the your rating methodology of choice, and a complete photo album that was used in the inspection.

The web application offers a suite of powerful and easy-to-use tools for pavement managers to:

- Understand their roads through simple sorting and filtering
- View maintenance and inspection history
- Record maintenance and road details
- Create a multi-year pavement management strategy using our integrated optimization algorithms and road aging curves
- Control the frequency of inspections



Our data science team also collects ancillary data that is useful in forecasting

- Road quality history (past inspections)
- Maintenance history
- Traffic counts
- Travel speeds
- Vehicle types
- Weather/climate data
- Pavement section details (where available)

GoodRoads Proposal

City of Castroville, Texas

Asset Inventory, Pavement Assessment, Software Included

One (1) road inspection device shall be provided to attach to almost any vehicle for one month to complete a full road assessment, capturing road inspection data for every road.

Entire road network inspected per the PCI standard (ASTM D6433).

Access for up to 20 users to our cloud application that empowers budgeting and prioritization decisions for 12 months, including collected imagery. Up to 20 hours of expert assistance with road management planning and assistance with visuals for presentations (e.g. City Council and others) included.

Optional: Completion of a report detailing the inspection methods, analysis of up to 3 multi-year pavement management scenarios, detailing financial and pavement quality projections and complete paving lists.

Select all that apply:

1. Data collection of photos and comprehensive Pavement Assessment (**MANDATORY**): \$100/mile
☒ \$2800 @ 28 road miles
2. GoodRoads-performed data collection (optional):
☒ \$1,500
3. GoodRoads Software Only (optional. Standalone purchase or add'l after first 12 months): \$10/mile/year
☒ \$280 per year for _____ years
4. Pavement Management Report: (30 hrs @ \$240/hr)
☒ \$7,200

Total: \$11,780

Accepted by

Date

Assumptions

- Offer valid until December 31, 2025.
- Report shall include: analysis of up to 3 options, production of a written report, recommended paving lists and optional assistance with creation of PowerPoint presentation.
- Customer shall perform their own driving to collect road assessment data. If GoodRoads is hired to perform data collection, driver(s) and vehicle(s) shall be provided by GoodRoads or a subcontractor.
- Prices are based on the miles of driving to be completed.
- Collected data will be stored for 3 years. If a new contract is not signed either for inspection or software, data is subject to deletion.
- Photos for sidewalk inventory shall be taken from a vehicle on the street unless otherwise requested. Prices may change if photos shall be taken from on the sidewalk, itself.
- GoodRoads does not perform a slope assessment of sidewalks to comply with ADA. Results include identification of all sidewalk, tripping hazards, obstructions, cracked or damaged panels, and dropoffs. Upon request a third party contractor can perform a complete ADA assessment.
- Pavement Marking inventory includes identification of faded pavement markings but not a retroreflectivity analysis.
- Road assessment will be completed by combined manual and artificial intelligence using imagery collected by GoodRoads devices.
- GoodRoads retains co-ownership of collected road quality data. This may be used to improve our software and prediction algorithms and serve other third party users of road infrastructure to improve the experience of all road users.
- Road inspection devices are provided as hardware as a service. Once data collection is completed, devices are returned to GoodRoads until the next inspection is to begin.
- Contract shall be paid 50% up front at time of Notice to Proceed, with monthly billing based on the number of miles inspected thereafter until the completion of the contract.
- Customer point of contact for this contract is:

_____ [Name]

_____ [Phone]

_____ [Email]

- Invoices shall be submitted to (name and address):

(Email and Phone)



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