

RoadSift

FROM ROADWAY IMAGERY TO MAINTENANCE ACTION



Highway Asset Evaluations and Reporting at your fingertips.

Upload photos or video. Identify potential defects. Review picture evidence, supported GPS locations and practical work recommendations.

One connected highway inspection workflow.

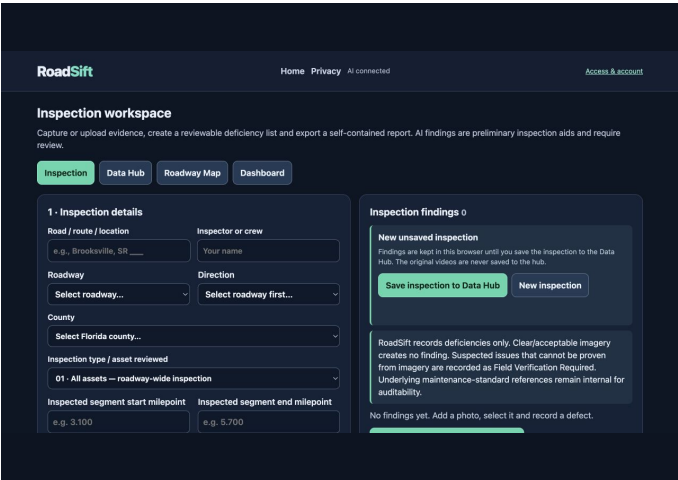
FDOT MRP references / Excel + evidence reports

Company and contract customization available as a project scope

YOUR ROADSIFT WORKSPACE

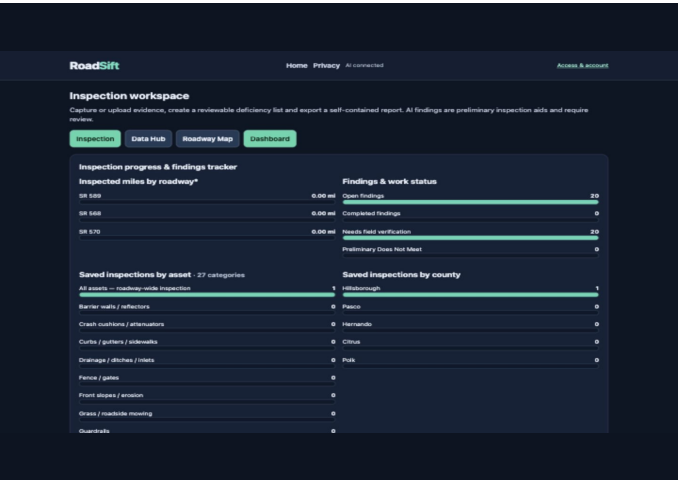
Inspection to oversight, in one place.

Screen captures from RoadSift. Records use illustrative test evidence; the map uses FDOT roadway reference geometry.



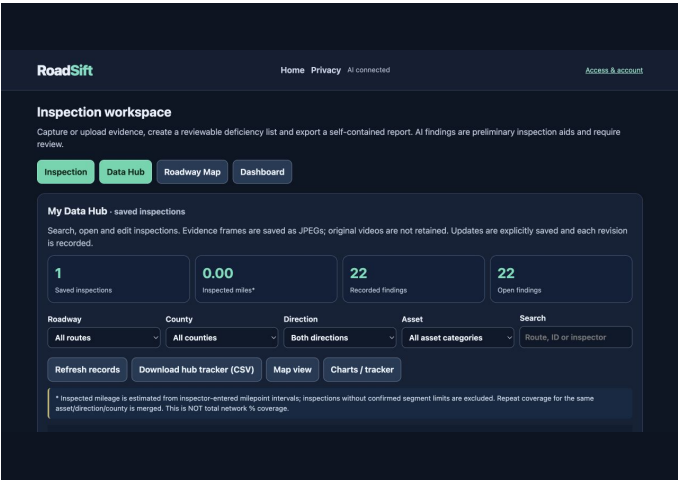
Inspection & reporting

Review the finding, evidence and recommended action.



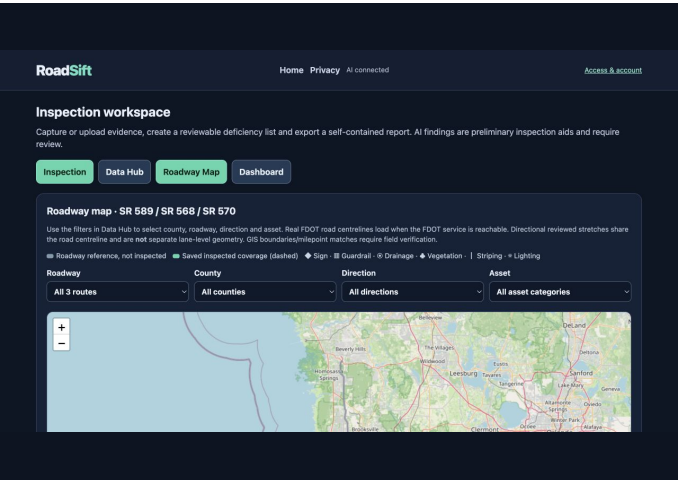
Dashboard

Track inspection activity, findings and work status.



Data Hub

Filter, reopen and manage saved inspection records.



Roadway reference map

View roadway geometry and supported GPS findings.

Map: FDOT roadway centrelines (route-only view). Sample markers are not actual reported defects.

REPORTING & COMPANY FIT

Evidence your team can act on.

Capture → analyze → review → export. Turn potential defects into a clear, traceable maintenance record.

**EXAMPLE FINDING****Alligator cracking**

Interconnected alligator-pattern cracking. Extent and pavement condition need field review.

Next action: inspect extent and condition; evaluate repair.

GPS: populate only when supported.

Evidence: selected photo / video frame.

Report the condition, location and next step.

Excel findings and picture evidence bring together the defect, description, confidence, inspection result, supported GPS and recommended action. Up to four evidence-photo links connect reviewers to the images.

Built on MRP. Tailored to your contract.

Current rule support uses 2026 FDOT MRP references. Company-specific thresholds, response targets, branding, report fields and approval workflows can be scoped, configured and validated for your contract. Contract-profile automation is a customization scope, not a verified live feature.

Roadway video at up to 60 MPH.

RoadSift can review video recorded at speeds up to 60 MPH, within posted limits, using a securely mounted camera. Detection depends on visibility, camera quality and sampling; small defects and hardware may need slower passes or close-up photos. This is not a validated detection-speed guarantee.

START WITH YOUR ROADWAY. BUILD AROUND YOUR CONTRACT.

Define the assets, supply the standards and validate the workflow with your team.

Visuals combine generated demonstrations and reference photos. Photos: FDOT MRP/Managed Lanes guides; Goseong County blog (tree). Demo records are not live inspection results.

PAVEMENT & MARKINGS

Read the surface. Find the work.

Example imagery → visible finding → recommended next action. Inspector review confirms the result.



Roadway surface / potholes

AI flags: Interconnected alligator-pattern asphalt cracking.

Action: Inspect extent and condition; assess localized repair.

Standard: Applicable pavement rule; cracking alone is not an automatic MRP failure.



Paved shoulders / turnouts

AI flags: Raveling edges and deteriorated shoulder pavement.

Action: Verify limits; repair damaged shoulder.

Standard: Flexible or rigid shoulder/turnout criteria.



Unpaved shoulders

AI flags: Drop-offs, erosion and washed-out shoulder material.

Action: Measure the profile; restore and compact.

Standard: Unpaved Shoulder.



Pavement markings / striping

AI flags: Worn, missing or inconsistent lane-line coverage.

Action: Verify affected length; renew markings.

Standard: Striping; confirm nighttime function.



Pavement symbols

AI flags: Faded arrows or missing portions of a symbol.

Action: Check intended layout; restore the marking.

Standard: Pavement Symbols.



RPMs (raised pavement markers)

AI flags: Apparent marker gaps and exposed adhesive pads.

Action: Confirm required spacing; replace missing RPMs.

Standard: Raised Pavement Markers; night check as needed.

ROADSIDE PROTECTION

Spot damage. Support a focused repair.

Example imagery → visible finding → recommended next action. Inspector review confirms the result.



Guardrails

AI flags: Bent rail, displaced posts and visible impact damage.

Action: Inspect the run, connections and repair limits.

Standard: Guardrail.



Cable barriers • Guardrails subcheck

AI flags: Slack or low cables and damaged support posts.

Action: Inspect posts, anchors and tension; restore system.

Standard: Guardrail includes cable rail; field checks required.



Crash cushions / attenuators

AI flags: Compressed modules or displaced impact components.

Action: Arrange system-specific inspection and repair.

Standard: Maintenance alert; crash cushions are not MRP-rated.



Barrier walls / reflectors

AI flags: Spalling, contact damage and broken reflectors.

Action: Inspect damage; repair or replace affected parts.

Standard: Applicable reflector criteria; separate structural review.



Fence / gates

AI flags: Bent/damaged fence posts and gaps between gates.

Action: Inspect consecutive posts; measure and close gate gaps.

Standard: Fence; also checks torn fabric and missing posts.



Signs / sign supports

AI flags: Nighttime reflectivity issues, damaged signs and exposed support bases.

Action: Verify nighttime response; inspect supports and repair.

Standard: Signs; apparent reflectivity needs nighttime verification.

DRAINAGE & STRUCTURES

Find what blocks flow or undermines assets.

Example imagery - visible finding - recommended next action. Inspector review confirms the result.



Drainage / ditches / inlets

AI flags: Leaves, vegetation and sediment covering an inlet.

Action: Clear blockage; inspect grate and opening.

Standard: Inlets or the actual drainage-asset characteristic.



Ponds / outfalls

AI flags: Bank erosion and vegetation at an outfall.

Action: Inspect flow path; clear and stabilize as needed.

Standard: Outfall criteria where applicable; ponds assessed separately.



Slope pavement

AI flags: Cracked, displaced paving and exposed soil.

Action: Measure damage; inspect support and restore.

Standard: Slope Pavement.



Front slopes / erosion

AI flags: Washouts, gullies and exposed roadside soil.

Action: Verify depth; stabilize and restore profile.

Standard: Front Slope.

LANDSCAPE & VEGETATION

Identify plants. Target the maintenance.

Example imagery - visible finding - recommended next action. Inspector review confirms the result.



Landscaping / turf

AI identifies: Likely live oak (1), cabbage palms (2) and ixora shrubs in the example imagery.

Action: Estimate counts; report condition and identification confidence.

Standard: Landscaping / Turf; species confidence needs review.



Tree trimming / vegetation

AI flags: Trees or limbs hanging over a guardrail or barrier wall.

Action: Verify clearance; trim encroaching limbs.

Standard: Tree Trimming.



Grass / roadside mowing

AI flags: Tall grass and visibly missed mowing areas.

Action: Check height and limits; schedule mowing.

Standard: Roadside Mowing by facility type.



Slope mowing

AI flags: Uneven or missed mowing on a roadside slope.

Action: Check coverage and exemptions; mow affected areas.

Standard: Slope Mowing.



Litter removal / graffiti

AI flags: Dumped tires, bags and scattered roadside litter.

Action: Remove debris; inspect for additional hazards.

Standard: Litter Removal also addresses graffiti and stickers.

CORRIDOR & OPERATIONS

Cover the whole route. Keep the evidence.

Example imagery → visible finding → recommended next action. Inspector review confirms the result.



All assets - roadway-wide inspection

AI reviews: Visible roadway and roadside assets in one survey.

Action: Separate potential defects by asset and location.

Standard: Apply the relevant rule to each finding.



Interchanges / ramps

AI flags: Worn markings and other visible ramp-asset issues.

Action: Route each finding to the appropriate work item.

Standard: Underlying asset criteria; no separate ramp score.



Object markers / delineators

AI flags: Suspected 3 consecutive missing delineators or large gaps.

Action: Verify required layout; replace and align devices.

Standard: Gap alert: verify layout and applicable contract rules.



Roadway lighting

AI flags: Identifies apparent outages and records visible missing hardware.

Action: Confirm outage; inspect and repair.

Standard: Lighting; day checks cover poles, covers and hardware.



Roadway sweeping

AI flags: Sand and gravel buildup along the gutter.

Action: Measure accumulation; schedule removal.

Standard: Roadway Sweeping where applicable.



Other assets / field notes

AI flags: An open or damaged roadside utility cabinet.

Action: Record evidence; confirm owner and refer for repair.

Standard: Maintenance observation unless an applicable rule exists.