Field Application

PROBLEM STATEMENT



- Construction Inspection data is only as good as what gets written down.
- With paper forms and generic spreadsheets, inspectors describe the same defect in different ways, leave required measurements blank, and fill in fields that don't apply.
- Gaps surface during report writing, after the crew has left, which leads to follow-up questions, rework, and sometimes a return trip.

BENEFITS



- Complete, consistent data the first time, whoever the inspector is.
- No blank or meaningless cells to chase down after the inspection.
- Less time on-site and faster delivery: reports are generated straight from the app.
- Data that can be compared from one inspection cycle to the next to show deterioration trends.
- Less rework and fewer return trips.

TECHNOLOGY SOLUTION

Marine Solutions' Mobile Inspection™ App,

Developed in-house and proven on a federal inspection program:

- Each structure is built in the app from its actual components.
- Selecting a component (for example, a concrete pile) brings up only the defects that component can have: cracks, spalls, delamination, and so on.
- Each defect requires the measurements that define it. A spall requires length, width, depth, and exposed reinforcement with or without section loss. A delamination requires only length and width.
- No irrelevant fields: steel section loss appears for a steel H-pile, not for a concrete pile.
- Previous inspection data available on-site; data and photos upload directly to the owner's asset database.
- Runs on iPads in floating waterproof cases.

GRAPHIC

