

Board Road Field Assessment

General Conditions	Visual Assessment	Mechanical testing (units)	Materials/notes
Type	At-grade, elevated	N/A	N/A
Width	Feet, inches (avg.)		
Height above ground	Feet, inches (measured from ground to bottom of decking)		
Board direction	Parallel, perpendicular		
Plank spacing	Inches (average)		
Signage	Present/absent		
Permafrost	Present/absent		
Drainage	Good, Fair, Poor	N/A	N/A
Vegetation encroachment	None, minimal, moderate, extensive	N/A	Predominant species
Utilities	Co-location of utilities under/adjacent to board road	N/A	Water, sewer, communications, other
Structural Integrity	Visual Assessment	Mechanical testing (Units)	Materials
Board condition	Good, Fair, Poor	Probe results (inches of penetration)	Treated wood, metal, untreated wood, geogrid/geoblock
Fastener integrity	Good, Fair, Poor	N/A	Stainless, galvanized, other
Stringer condition	Good, Fair, Poor	Probe results (inches of penetration)	Treated wood, untreated wood, metal
Foundation condition	Good, Fair, Poor	Plumbness (inches off vertical)	Treated wood, untreated wood, metal, concrete, other

Piling condition	Good, Fair, Poor	Plumbness (inches off vertical)	Treated wood, untreated wood, metal, concrete, other
Anchoring system	Good, Fair, Poor, N/A	N/A	N/A
Surface Condition	Visual Assessment	Mechanical Testing	Materials
Timber treatment	Y/N	N/A	
Wear	Extensive, Moderate, Limited, None		
Accessibility	Visual Assessment	Mechanical Testing	Materials
Detectable warnings	Good, Fair, Poor, N/A	N/A	Iron, plastic, unknown
Ramps	Good, Fair, Poor, N/A	Slope (inclinometer)	Treated wood, untreated wood, metal
Stairs	Good, Fair, Poor, N/A	N/A	Treated wood, untreated wood, metal
Railings/curbs	Good, Fair, Poor, N/A	N/A	Treated wood, untreated wood, metal, other
Visibility markers	Present/absent	N/A	N/A

Guide to good, fair, and poor ratings for boardwalk components

Good - The component is structurally sound and fully functional with only minor cosmetic wear.

- Decking boards are intact, firmly secured, and level
- No visible structural distress (cracks, splits, excessive checking, rot, or corrosion)
- Load-bearing elements (stringers, joists, piles, beams) show no signs of deterioration
- Fasteners are secure and free of significant corrosion
- Railings, handrails, curbs, and edge protection are intact and meet safety expectations
- Surface provides adequate traction; minimal wear or splintering
- No noticeable deflection, bounce, or movement under foot traffic
- Drainage functions as intended; no standing water or sediment buildup
- Minor issues, if present, are cosmetic and do not affect safety or performance

Fair - The component remains serviceable but shows moderate wear or early deterioration. Repairs will likely be required to prevent further decline.

- Localized deterioration of decking (e.g., splitting, cupping, checking, or surface rot)
- Isolated loose, warped, or cracked boards
- Moderate corrosion or loosening of fasteners
- Minor deterioration of structural elements with no immediate loss of load-carrying capacity
- Railings or safety features show wear or minor damage but remain functional
- Slight unevenness, deflection, or soft spots detectable under foot traffic
- Reduced surface traction in localized areas
- Evidence of moisture retention, debris accumulation, or inadequate drainage
- Defects are limited in extent and do not present an immediate safety hazard

Poor - The component exhibits significant deterioration, reduced structural capacity, or safety hazards. Immediate repair, restriction of use, or closure may be warranted.

- Extensive rot, decay, splitting, or section loss in decking or structural members
- Multiple loose, missing, broken, or severely warped boards
- Structural elements show advanced deterioration, corrosion, or deformation; frost jacking present
- Noticeable instability, excessive deflection, or movement under normal loading
- Missing, failed, or unsafe railings, handrails, or edge protection
- Exposed or protruding fasteners creating a safety hazard
- Severely reduced surface traction; high slip potential
- Standing water, undermining, or washout affecting structural support
- Visible safety hazards that pose a risk to users



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