



# Historic Bridge Inspection Report

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<b>Bridge Name:</b>	Upton Road Bridge		
<b>Bridge Trip Ordering Number:</b>		<b>Inspection Date:</b>	9-17-2010

## General Bridge Information and Conditions

<b>Facility(s) Carried:</b> Upton Road (Abandoned Alignment)  Surface Type: <input type="checkbox"/> Gravel/Dirt <input checked="" type="checkbox"/> Hard <input type="checkbox"/> Railroad		<b>Feature(s) Intersected:</b> Maple River	
<b>Main Span Type:</b> Pin-connected Parker thru truss. Main Span #: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> More:		<b>Approach Span Type:</b> Approach Span #: <input checked="" type="checkbox"/> None <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> More:	
<b>Superstructure Condition:</b> <input type="checkbox"/> Failed (Bridge Collapsed) <input type="checkbox"/> Partial Failure / Portions Standing <input type="checkbox"/> Critical/Risk of Failure <input type="checkbox"/> Poor <input checked="" type="checkbox"/> Fair <input type="checkbox"/> Good <input type="checkbox"/> Like New Notes: Isolated areas of poor-critical condition.	<b>Substructure Condition:</b> <input type="checkbox"/> Failed (Bridge Collapsed) <input type="checkbox"/> Partial Failure (Partially Holding Bridge) <input type="checkbox"/> Critical/Risk of Failure <input type="checkbox"/> Poor <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Good <input type="checkbox"/> Like New Notes: All above-water portions of abutments appear good.	<b>Deck Condition:</b> <input type="checkbox"/> Deck Removed <input type="checkbox"/> Failed <input checked="" type="checkbox"/> Critical/Risk of Failure <input type="checkbox"/> Poor <input type="checkbox"/> Fair <input type="checkbox"/> Good <input type="checkbox"/> Like New Notes:	
<b>Bridge Roadway Width (Lanes/Tracks):</b> <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> More: Appears: <input checked="" type="checkbox"/> Sufficient <input type="checkbox"/> Insufficient		<b>Roadway Width Leading Up To Bridge (Lanes):</b> <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> More: Appears: <input checked="" type="checkbox"/> Sufficient <input type="checkbox"/> Insufficient	
<b>Sidewalks:</b> Number: <input checked="" type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> Other: <input type="checkbox"/> Cantilevered <input type="checkbox"/> Integrated Appears: <input checked="" type="checkbox"/> Sufficient <input type="checkbox"/> Insufficient		<b>Apparent Bridge Ownership:</b> <input checked="" type="checkbox"/> Public: Government <input type="checkbox"/> Public: Non-Profit Organization <input type="checkbox"/> Private, No Public Access <input type="checkbox"/> Private, Public Access <input type="checkbox"/> Railroad <input type="checkbox"/> Toll Bridge	
<b>Railing/Guardrail:</b> Present: <input checked="" type="checkbox"/> Original <input type="checkbox"/> Non-Original Are Any Crash-Resistant? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>Bearing Type:</b> <input checked="" type="checkbox"/> Roller Nest <input type="checkbox"/> Rocker <input type="checkbox"/> Not Observed <input type="checkbox"/> Other/Unknown: Notes:	

Do Any Protect The Superstructure? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Sidewalk Bridge Railings Present: <input type="checkbox"/> Original <input type="checkbox"/> New/Modern	Condition: <input type="checkbox"/> Clean <input checked="" type="checkbox"/> Significant Dirt Buildup <input checked="" type="checkbox"/> Significant Dislocation <input type="checkbox"/> Unknown/Not Observed
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Specific Conditions (When Applicable)

<b>Observed Concrete Conditions:</b> <input checked="" type="checkbox"/> Spalling: <input checked="" type="checkbox"/> Isolated <input type="checkbox"/> Widespread <input type="checkbox"/> Splash Zone <input type="checkbox"/> Cracking: <input type="checkbox"/> Isolated <input type="checkbox"/> Widespread <input type="checkbox"/> Splash Zone <input type="checkbox"/> Delaminating: <input type="checkbox"/> Isolated <input type="checkbox"/> Widespread <input type="checkbox"/> Splash Zone <input type="checkbox"/> Efflorescence: <input type="checkbox"/> Isolated <input type="checkbox"/> Widespread <input type="checkbox"/> Splash Zone	<b>Observed Metal Conditions:</b> <input type="checkbox"/> Minor Section Loss: <input type="checkbox"/> Isolated <input type="checkbox"/> Widespread <input type="checkbox"/> Splash Zone <input checked="" type="checkbox"/> Major Section Loss: <input checked="" type="checkbox"/> Isolated <input type="checkbox"/> Widespread <input type="checkbox"/> Splash Zone <input checked="" type="checkbox"/> Minor Pack Rust: <input type="checkbox"/> Isolated <input checked="" type="checkbox"/> Widespread <input type="checkbox"/> Splash Zone <input type="checkbox"/> Major Pack Rust: <input type="checkbox"/> Isolated <input type="checkbox"/> Widespread <input type="checkbox"/> Splash Zone <input type="checkbox"/> Observed Fatigue Cracks: Location: No fatigue crack inspection conducted.
<b>Movable Bridge:</b> <input type="checkbox"/> Operating <input type="checkbox"/> Not Operating <input type="checkbox"/> Machinery Removed <input type="checkbox"/> Original Electrical/Mechanical Systems In Use <input type="checkbox"/> Original Bridgetender Building <input type="checkbox"/> Bridgetender Building Shows Heavy Alterations	<b>Miscellaneous Features:</b> <input type="checkbox"/> Cast Iron Structural Elements <input type="checkbox"/> Beams With Pin and Hanger System <input type="checkbox"/> Jack-Arch Deck <input type="checkbox"/> Unreinforced Concrete Observed <input type="checkbox"/> Melan or Marsh Reinforcing Observed <b>Notes:</b>
<b>Fastener:</b> Primary/Connection Type: <input type="checkbox"/> Welds <input checked="" type="checkbox"/> Rivets <input type="checkbox"/> Bolts <input type="checkbox"/> Threaded Rod & Nut Secondary/Beam Fastener Type: <input type="checkbox"/> Welds <input type="checkbox"/> Rivets <input checked="" type="checkbox"/> Bolts <input type="checkbox"/> Threaded Rod & Nut Altered Fastener Type: <input type="checkbox"/> Welds <input type="checkbox"/> Rivets <input type="checkbox"/> Bolts <input type="checkbox"/> Threaded Rod & Nut	<b>Metal: Paint Condition:</b> <input type="checkbox"/> New <input type="checkbox"/> Good <input checked="" type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> None Possible Lead Paint Risk (Paint Age): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> Lead Paint Confirmed By Testing
<b>Noted Impact Damage To Bridge:</b> <input type="checkbox"/> Portal. Notes: <input type="checkbox"/> Railing. Notes: <input checked="" type="checkbox"/> Superstructure. Notes:Very minor <input type="checkbox"/> Substructure. Notes: <input type="checkbox"/> Other. Notes:	<b>Moisture Risk Assessment:</b> <input type="checkbox"/> No Problems Observed <input type="checkbox"/> Drainage Blocked. Notes: <input type="checkbox"/> No Drainage/Drainage Needed <input checked="" type="checkbox"/> Dirt Buildup <input type="checkbox"/> Plants Growing In Deck
<b>Truss Bridge Features:</b> <input checked="" type="checkbox"/> Eyebars: <input checked="" type="checkbox"/> Loop-Forged <input checked="" type="checkbox"/> Up-Set Bottom Chord Connection Quality: <input type="checkbox"/> Severe Loss <input type="checkbox"/> Moderate/Average Loss <input checked="" type="checkbox"/> Little/No Loss Major Alterations: Floor beams: <input type="checkbox"/> All <input type="checkbox"/> Some Connections: <input type="checkbox"/> All <input type="checkbox"/> Some	<b>Elements Beyond Repair:</b> <input type="checkbox"/> Entire Bridge <input type="checkbox"/> Large Percentage <input type="checkbox"/> Medium Percentage <input checked="" type="checkbox"/> Small Percentage <input type="checkbox"/> None  Notes / Replication Recommendations: Short term: Clean and weld plates over severe 100% section loss on endposts. Replace bearings and shoe assemblies. Medium term: Replace deck. Long-term: Clean and repaint structure. Address section loss at base of vertical members.

Turnbuckles: <input type="checkbox"/> All <input type="checkbox"/> Some Verticals: <input type="checkbox"/> All <input type="checkbox"/> Some Diagonals: <input type="checkbox"/> All <input type="checkbox"/> Some Sway/Portal Bracing: <input type="checkbox"/> All <input type="checkbox"/> Some End Posts: <input type="checkbox"/> All <input type="checkbox"/> Some Top/Upper Chord: <input type="checkbox"/> All <input type="checkbox"/> Some Bottom/Lower Chord: <input type="checkbox"/> All <input type="checkbox"/> Some Notes:	
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Sufficiency / Demolition Risk Assessment

<b>Risk of NBI Functionally Obsolete Determination:</b> <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Confirmed Correction Feasibility (Current Use): <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	<b>Risk of NBI Structurally Deficient Determination:</b> <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Confirmed Correction Feasibility (Current Use): <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High
<b>Evidence of Repair/Replacement Plans:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Pink Flags <input type="checkbox"/> Inspection Marks <input type="checkbox"/> Construction On Bridge <input type="checkbox"/> Construction Next To Bridge <input type="checkbox"/> Signage <input type="checkbox"/> Recent Bridge Closure <input type="checkbox"/> Flagged/New Weight Limit Signs	<b>Traffic Volume:</b> <input type="checkbox"/> Closed: Abandoned, Overgrown <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Nearly None <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Congested (Traffic Backed Up At Or On Bridge) Truck Traffic Observed: <input type="checkbox"/> None <input type="checkbox"/> One - Some, <input type="checkbox"/> Heavy
<b>Vertical Clearance:</b> <input checked="" type="checkbox"/> Overhead Structural Elements <input checked="" type="checkbox"/> Not Posted <input type="checkbox"/> Posted <input type="checkbox"/> Headache Bar <input type="checkbox"/> Posted 10 Feet (3 Meters) Or Less	<b>Weight Limits:</b> <input type="checkbox"/> Posted Weight Limit Lowest Posted Value (In Tons/Tonnes): <input type="checkbox"/> 1-3 <input type="checkbox"/> 3-10 <input type="checkbox"/> 10-20 <input type="checkbox"/> 20-30 <input type="checkbox"/> 30-40 <input type="checkbox"/> Over 40
<b>Conditions With Feature(s) Intersected:</b> <input type="checkbox"/> Navigable Waterway: Vertical Clearance: Appears <input type="checkbox"/> Sufficient <input type="checkbox"/> Insufficient Horizontal Clearance: Appears <input type="checkbox"/> Sufficient <input type="checkbox"/> Insufficient <input type="checkbox"/> Active Railroad: Appears <input type="checkbox"/> Sufficient <input type="checkbox"/> Insufficient Vertical Clearance: Appears <input type="checkbox"/> Sufficient <input type="checkbox"/> Insufficient Horizontal Clearance: Appears <input type="checkbox"/> Sufficient <input type="checkbox"/> Insufficient <input type="checkbox"/> Active Highway: Appears <input type="checkbox"/> Sufficient <input type="checkbox"/> Insufficient Vertical Clearance: Appears <input type="checkbox"/> Sufficient <input type="checkbox"/> Insufficient Horizontal Clearance: Appears <input type="checkbox"/> Sufficient <input type="checkbox"/> Insufficient	<b>Water Adequacy:</b> <input type="checkbox"/> Scour Observed <input type="checkbox"/> Pier(s) <input type="checkbox"/> Abutment(s) <input type="checkbox"/> Evidence Of Floodwater Reaching Bridge <input type="checkbox"/> Bridge Has Flood Damage Notes: Bridge crosses river at reservoir next to dam.
<b>Caretaking (Preventative Maintenance):</b> <input type="checkbox"/> Bridge shows signs of care/maintenance. <input type="checkbox"/> Paint <input type="checkbox"/> Deck <input type="checkbox"/> Super/substructure <input type="checkbox"/> Substructure <input type="checkbox"/> Other <input type="checkbox"/> Comprehensive Rehab/Restoration <input checked="" type="checkbox"/> Bridge shows signs of neglect. <input type="checkbox"/> Paint <input checked="" type="checkbox"/> Deck <input checked="" type="checkbox"/> Super/substructure <input type="checkbox"/> Substructure <input type="checkbox"/> Patching <input type="checkbox"/> Other <input type="checkbox"/> As-Built (No Work Done) <input type="checkbox"/> Bridge in excellent condition even without evidence of maintenance/repairs.	<b>Approach Roadway Alignment:</b> <input checked="" type="checkbox"/> Horizontal Problems <input type="checkbox"/> Trivial <input checked="" type="checkbox"/> Significant <input type="checkbox"/> Vertical Problems <input type="checkbox"/> Trivial <input type="checkbox"/> Significant <input type="checkbox"/> No Problems Notes:

Historic Significance / Integrity

<b>Design Features:</b> <input type="checkbox"/> Innovative/Prototypical Design <input type="checkbox"/> Distinctive Details <input type="checkbox"/> Unusual Structure Type <input type="checkbox"/> Unusual Structure Configuration <input type="checkbox"/> Once-Common Rare Surviving Example <input type="checkbox"/> Standard Plan <input checked="" type="checkbox"/> Representative Example	<b>Setting Assets:</b> <input type="checkbox"/> Bridge has gateway function. <input checked="" type="checkbox"/> Location in pristine natural setting. <input type="checkbox"/> Historical structures/setting nearby. <input type="checkbox"/> Contributes to a group of historic bridges.
<b>Superstructure Alterations Observed:</b> <input type="checkbox"/> None <input checked="" type="checkbox"/> Historically Sensitive <input type="checkbox"/> Insensitive <input type="checkbox"/> Reversible <input type="checkbox"/> Irreversible <input checked="" type="checkbox"/> Metal Added <input type="checkbox"/> Insensitive Welds <input type="checkbox"/> Rivets Replaced With Bolts <input type="checkbox"/> Floor Beams Replaced <input type="checkbox"/> Widened <input type="checkbox"/> Some Spans Replaced <input type="checkbox"/> Other  Notes:	<b>Substructure Alterations Observed:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Historically Sensitive <input type="checkbox"/> Insensitive <input type="checkbox"/> Reversible <input type="checkbox"/> Irreversible Notes:
<b>Bridge Plaques:</b> <input type="checkbox"/> Commissioner <input type="checkbox"/> Builder <input type="checkbox"/> State Standard <input type="checkbox"/> No Plaques. <input checked="" type="checkbox"/> Missing Plaques/ Plaque Scars. <input type="checkbox"/> Repair/Rehab Plaques Present.	<b>Bridge Still Functions As Originally Designed:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Some Spans Notes:
<b>Surrounding Area:</b> <input type="checkbox"/> Confirmed Historic District <input type="checkbox"/> Contains Historic District Qualities <input type="checkbox"/> Possibly Contains Historic District Qualities <input checked="" type="checkbox"/> No Historic District Qualities	<b>Remains of Previous Bridge(s):</b> <input type="checkbox"/> Present: Integrated <input type="checkbox"/> Present: Beside Bridge <input type="checkbox"/> Unknown/Possible. Notes: <input checked="" type="checkbox"/> None Observed
<b>Location:</b> <input checked="" type="checkbox"/> Appears To Be Original. Notes: <input type="checkbox"/> Possibly Relocated. Notes: <input type="checkbox"/> Proof of Relocation. Notes:	<b>Aesthetics:</b> <input type="checkbox"/> Structurally Functional Aesthetic Architectural Elements <input type="checkbox"/> Non-Structural Decorations/Ornamentation

Conclusions

Note: Field observation is usually the first step in a multi-step historic bridge assessment process. These initial recommendations may be based only on field observations and may change upon further consultation and research following the field observation.

<b>Local Historic Significance Rating Recommendation:</b>  <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10	<b>National Historic Significance Rating Recommendation:</b>  <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input checked="" type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10
<b>Work Priority/Needs:</b>	<b>Initial Recommended Use/Reuse:</b>

☐ Full Restore/Rehabilitation Immediately  
☒ Continue Maintenance and Plan Future Full Restore/Rehabilitation  
☒ Continue/Begin Maintenance  
☒ Paint Needed:  
    ☐ Splash Zone Only  
☐ Traffic Control:  
    ☐ Stop ☐ Yield ☐ Signalize  
☐ Clearance Control (Headache Bar)  
☐ Full Restore/Rehabilitation Immediately  
Notes:

☐ Continued Vehicular Use.  
☐ Relocate For Lighter Vehicular Use.  
☒ Restored For Non-Motorized Use.  
☒ Relocate For Non-Motorized Use.  
☐ Bypass/Restore For Non-Motorized Use.  
☐ Non-Functional Exhibit.  
☐ Retrofit or render structure decorative.  
☐ Abandon completely: Leave standing, do not demolish.  
☐ Salvage: Non-bridge reuse, or use of portions of bridge.  
Notes: A few low-cost repairs would keep bridge standing for a long time.

**Re-Inspection Required:** ☐ Yes ☒ No  
☐ Bridge Obstructed By Foliage  
☐ Areas Inaccessible:  
☐ Repairs In Progress:  
☐ Poor Weather  
☐ Better Sun Position Needed  
    ( ☐ AM ☐ Noon ☐ PM)  
☐ Other:  
Notes:

**National Register Eligibility:**  
☐ Listed  
☒ Eligible  
☐ Appears Eligible  
☐ Appears Not Eligible  
☐ Not Eligible  
☐ Unknown  
Criterion: ☐ A (Events) ☐ B (Persons) ☒ C (Design)  
Notes:

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