

QUALIFICATIONS RECORD

Structure Inspection Program

Wisconsin Department of Transportation
DT2001 2003 s.84.17 Wis. Stats.

Applicant Name Joshua J Makela	Area Code - Telephone Number - Home 906-360-4185	
Address 3433 Oakwood Hills Parkway	Area Code - Telephone Number - Work 715-831-7699	
City Eau Claire	State WI	ZIP Code 54701
E-Mail Address MakelaJ@AyresAssociates.com	Employer Ayres Associates	

Refer to the Wisconsin DOT Structure Inspection Manual for required qualifications. Forward two completed copies of this form to the Statewide Structure Inspection Program Manager via the District Program Manager or directly at 4802 Sheboygan Ave., Room 601, PO Box 7916, Madison, WI 53707-7916. One copy will be returned to you with an assigned number if deemed qualified.

PART I - REGISTRATION/TRAINING - Complete All Information

Wisconsin Registered Professional Engineer - Yes Reg. No.: 45355-6 - Emphasis: Civil
NICET Level III or IV - No Reg. No.: If Yes, Attach Copy of Certificate
NHI Based 80-Hour Training Course - Yes Date: 3/24/2017 If Yes, Attach Copy of Certificate

Pertinent Inspection Related Training Courses Completed

FHWA-NHI-130101 Introduction to Safety Inspection of In-Service Bridges – Web-based
FHWA-NHI-135085 Plan of Action (POA) for Scour Critical Bridges: Web-based
FHWA-NHI-135086 Stream Stability Factors and Concepts (Prerequisite) Web-based
FHWA-NHI-135087 Scour at Highway Bridges: Concepts and Definitions (Prerequisite) Web-based
AWI092812- Aging Infrastructure, Risks, and Making Tough Decisions
AWI111511-Building Structures and Sustainability
AWI091112-Design of Reinforced Concrete Liquid Structures

Additional Specialized Certifications

Professional Engineer No. 45355-6
Open Water Diver No. 20593

APPROVAL: FOR WISDOT PROGRAM MANAGER USE ONLY! DO NOT WRITE BELOW THIS LINE.

☒ Visual Acuity Certificate Attached ☐ Experience Reviewed/Verified
☒ NHI Based 80-Hour Training Course Certificate Attached ☒ Reference Letter Attached

Qualified As ☐ Program Manager
☒ Team Leader

Reviewed By _____, Program Manager	Date _____
<input checked="" type="checkbox"/> Central Office <input type="checkbox"/> District <input type="checkbox"/> County	
Assigned Number 9669	Assigned By [Signature]
Assigned Date 4/10/17	Date Copy Returned to Applicant _____

PART II - EXPERIENCE - Attach Additional Sheets If Needed

Persons other than a P.E. or NICET Level III/IV are required to complete Part II in its entirety. A minimum of 5 years of responsible bridge inspection experience for Team Leaders and 10 years for Program Managers must be shown. P.E.'s and NICET individuals are also requested to complete Part II for informational purposes only. List all relevant experience.

Bridge Safety Inspection Field Experience

Please state your experience in various types of bridges (i.e., steel girders, concrete girders, trusses, slabs, prestressed girders, culverts, movable bridges, other complex structures, etc.).

Date From	Date To	Describe Bridge Type(s) and Inspection Type(s)	Name & Telephone No. for References	Approx. %*
02/2016 09/2016	04/2016 Present	Perform as an inspection team member for routine and underwater inspections of trusses, steel girder, concrete girder, timber slab, concrete slab and prestressed concrete girder bridges.	Brian Schroeder (715) 834-3161 ext. 7689	100%
04/2016	09/2016	Project Leader for the construction of a two-span concrete slab bridge in Buffalo County. Project consisted of: removing the existing timber structure, constructing the new curved alignment for the new bridge, constructing Bridge B-06-0189, HMA Pavement, Curb & Gutter, Approach Slabs, Railing, Beamguard, etc.	Lisa Fleming (715) 834-3161 ext. 7677	
07/2015	11/2015	Project Leader for the construction of a single span concrete girder bridge in the Village of Taylor. Project included the removal of the existing B-27-0965 bridge, constructing the new B-27-0161 structure, HMA pavement, Grading, base aggregate dense and permanent signing.	Lisa Fleming (715) 834-3161 ext. 7677	
04/2014	07/2014	Project Leader for a 2.60 mile mill and overlay for USH 10 in Fairchild, WI. Project included: HMA pavement, Concrete Curb & Gutter, Concrete Sidewalk, MGS Beam Guard, Concrete/Steel Culvert, Aggregate Base Shouldering and Epoxy Pavement Marking.	Lisa Fleming (715) 834-3161 ext. 7677	
08/2013	04/2014	Construction Observation of a three-span concrete girder bridge (B-13-0655) and two concrete slab pedestrian bridges (B-13-0656 & B-13-0657) in Madison, WI. Responsibilities included: inspecting rebar reinforcement before concrete placement, concrete placement, and performed concrete testing. Project also included numerous footings and retaining walls.	Kim Ballweg (608) 255-0800 ext. 1570	
05/2013	08/2013	Construction inspector for a Wisconsin DOT Pilot Project for Precast Concrete Pavement Slabs on a 4.5 mile stretch of I-94 in Hudson, WI. Also, included an epoxy overlay of the WB & EB I-94 Bridge over the St Croix River.	Lisa Fleming (715) 834-3161 ext 7677	
03/2011	03/2013	Construction inspector for a complete reconstruction of an eight mile stretch of US41 in Winnebago County. The existing four-lane highway was expanded to six-lanes. Construction included: 11" concrete pavement, 52" permanent barrier wall, two bridges, three box culverts, storm sewer, sign bridges, etc.	Pratap Singh 262-821-1171	
04/2010	03/2011	Assisted the Project Leader on an ARRA (American Recovery and Reinvestment Act) funded project for the total reconstruction of a 1.1 mile stretch of Keefe Avenue in Milwaukee.	Pratap Singh 262-821-1171	

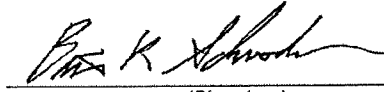
* Percent of year devoted to bridge safety inspection field work.

I, the undersigned, affirm that all statements and data in Parts I and II are true and correct. I understand that any misrepresentation may constitute fraud, and may be punishable to the full extent of the law. Furthermore, I understand that it is my responsibility to stay current on bridge inspection issues, and that I will notify the WisDOT Statewide Program Manager of any name or mailing address changes in writing within 30 days.


 (Applicant Signature)

3-31-17
 (Date)

Signature of Individual Providing Letter Reference: See attachment A for Format


 (Signature)

3/31/17
 (Date)

March 31, 2017

David Genson, PE
Wisconsin Department of Transportation
Bureau of Structures
4802 Sheboygan Avenue
Room 601
PO Box 7916
Madison, WI 53707

Re: Inspection Team Leader Application for Joshua Makela

Dear Mr. Genson:

This letter is submitted as verification of the experience of Mr. Joshua Makela in the field of bridge inspection and allied areas. I have personal knowledge that Mr. Makela has more than 4 years of experience in bridge inspection and allied areas as outlined below:

- Bridge Inspection Experience
 - Various routine and underwater bridge inspection projects from 2016 until present in Wisconsin, Michigan and Florida.
- Bridge Replacement and other Structure Construction Projects
 - Various construction observation duties for bridge replacement and other structure construction projects since 2013.
- Relationship to Mr. Makela and the WisDOT Bridge Inspection Program
 - I have known Josh since January 2013 when he started his career at Ayres Associates.
 - I currently supervise Josh's assignments in structural inspection.
 - I have provided underwater bridge inspections for the Wisconsin Department of Transportation since 2001 and completed routine bridge inspections for various local government agencies in Wisconsin since 2002.

Sincerely,

Ayres Associates Inc



Brian K Schroeder, PE
Supervisor – Structural Inspection
Direct: 715.831.7689
Cell: 715.864.4537
Fax: 715.831.7500
SchroederB@AyresAssociates.com

BKS:jjm

THE STATE OF WISCONSIN

EXAMINING BOARD OF ARCHITECTS, LANDSCAPE ARCHITECTS, PROFESSIONAL ENGINEERS,
DESIGNERS, AND PROFESSIONAL LAND SURVEYORS

Hereby certifies that

JOSHUA J MAKELA

was granted a certificate of registration as a

PROFESSIONAL ENGINEER

in the State of Wisconsin in accordance with Wisconsin Law

on the 31st day of January in the year 2017.

The authority granted herein must be renewed each biennium by the granting authority.

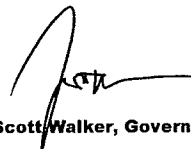
In witness thereof, the State of Wisconsin

*Examining Board of Architects, Landscape Architects, Professional Engineers, Designers, and Professional
Land Surveyors*

*has caused this certificate to be issued under
the seal of the Department of Safety and Professional Services*



Eric Esser, Acting secretary



Scott Walker, Governor

This certificate was printed on the 1st day of February in the year 2017





U.S. Department
of Transportation
**Federal Highway
Administration**

National Highway Institute



Certificate of Training

Josh Makela

has participated in

FHWA-NHI 130055 Safety Inspection of In-Service Bridges

hosted by

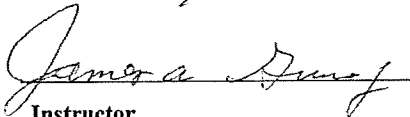
Minnesota Department of Transportation

Date: March 13-24, 2017

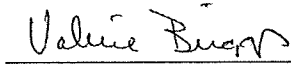
Location: Shoreview, MN

Hours of Instruction: 67


Instructor


Instructor


Local Coordinator


**Valerie Briggs, Director
National Highway Institute**