

WILLIAMS ASSOCIATES

Engineering

A California Corporation

June 27, 2025

County of Napa Conservation, Development & Planning
1195 Third Street, Room 210
Napa, CA 94559

Attention: Building Department

Regarding: Maximum Recommended Vehicle Load Rating
Commercial Winery Access Bridge
Vineyard and production access – northern-most on-site bridge
2155 Pickett Road
Calistoga, CA 94515

To whom it may concern,

Our office was retained to review and provide a vehicular load rating for the single lane bridge in question. The bridge is comprised of concrete abutments at each end with five steel beams and timber decking. The bridge spans approximately 20-feet and has a clear deck width for vehicular access of approximately 11-feet 2-inch wide, limited by a 6x6 timber rail on each side. Based on our field observations, we analyzed the bridge to carry a 75,000-lb fire truck with two rear axle loads of 25,000-lbs per axel, and with a minimum spacing of 20-feet to the front axle. We find the bridge has the capacity to carry this design 75,000-lb fire truck load, as well the standard HS20-44 loading criteria, which has a lower loading criterion. We recommend posting Load Rating signs at the entrance of the bridge similar to that shown on the following diagram included with this letter. It is the owner's responsibility to maintain the bridge to ensure the Load Rating remains valid.



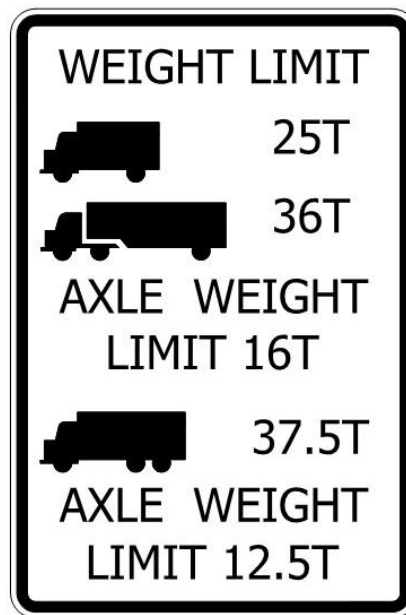
Sincerely,
Alexander 'Sash' Williams, President
WILLIAMS ASSOCIATES ENGINEERING, INC

WILLIAMS ASSOCIATES

Engineering

A California Corporation

BRIDGE LOAD RATING SIGN



NOTES:

1. SIGN SHALL COMPLY WITH STATE AND FEDERAL STANDARDS, AS APPLICABLE.
2. SIGN SHALL BE POSTED AT EACH ENTRANCE TO THE BRIDGE.

WILLIAMS ASSOCIATES

Engineering

A California Corporation

June 27, 2025

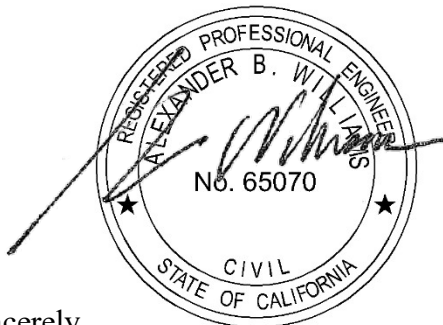
County of Napa Conservation, Development & Planning
1195 Third Street, Room 210
Napa, CA 94559

Attention: Building Department

Regarding: Maximum Recommended Vehicle Load Rating
Commercial Winery Access Bridge
Main entry loop – south bridge (steel rail car construction)
2155 Pickett Road
Calistoga, CA 94515

To whom it may concern,

Our office was retained to review and provide a vehicular load rating for the single lane bridge in question (photo below). The bridge is comprised of concrete abutments at each end of a steel rail car bridge. The bridge dimensions are approximately 13-foot 4-inches wide and 47 feet long. The bridge deck clear width for vehicular access is approximately 12-feet 1-inch wide, limited by a steel tube approximately 10 inches above the deck level. Based on our field observations, we analyzed the bridge to carry a 75,000-lb fire truck with two rear axle loads of 25,000-lbs per axel, and with a minimum spacing of 20-feet to the front axle. We find the bridge has the capacity to carry this design 75,000-lb fire truck load, as well the standard HS20-44 loading criteria, which has a lower loading criterion. We recommend posting Load Rating signs at the entrance of the bridge similar to that shown on the following diagram included with this letter. It is the owner's responsibility to maintain the bridge to ensure the Load Rating remains valid.



Sincerely,
Alexander 'Sash' Williams, President
WILLIAMS ASSOCIATES ENGINEERING, INC

WILLIAMS ASSOCIATES

Engineering

A California Corporation



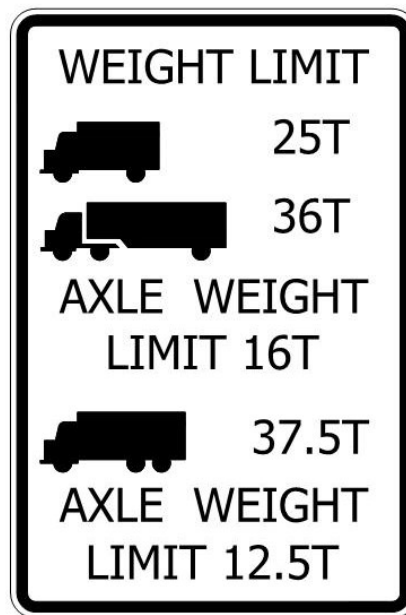
Winery access bridge at 2155 Pickett Road

WILLIAMS ASSOCIATES

Engineering

A California Corporation

BRIDGE LOAD RATING SIGN



NOTES:

1. SIGN SHALL COMPLY WITH STATE AND FEDERAL STANDARDS, AS APPLICABLE.
2. SIGN SHALL BE POSTED AT EACH ENTRANCE TO THE BRIDGE.

WILLIAMS ASSOCIATES

Engineering

A California Corporation

June 27, 2025

County of Napa Conservation, Development & Planning
1195 Third Street, Room 210
Napa, CA 94559

Attention: Building Department

Regarding: Maximum Recommended Vehicle Load Rating
Commercial Winery Access Bridge
Main entry loop – north bridge (reinforced concrete construction)
2155 Pickett Road
Calistoga, CA 94515

To whom it may concern,

Our office was retained to review and provide a vehicular load rating for the single lane bridge in question (photos below). The bridge is comprised of concrete abutments at each end of a reinforced concrete bridge with stone rails on each side. The bridge dimensions are approximately 15-feet wide and 31-feet long. The bridge deck clear width for vehicular access is approximately 12-feet wide, limited by stone rails on each side. The analysis was based on structural drawings by Summit Engineering, sheet SC2, dated 6/29/96. Based on our field observations and the referenced drawings, we analyzed the bridge to carry a 75,000-lb fire truck with two rear axle loads of 25,000-lbs per axel, and with a minimum spacing of 20-feet to the front axle. We find the bridge has the capacity to carry this design 75,000-lb fire truck load, as well the standard HS20-44 loading criteria, which has a lower loading criterion. We recommend posting Load Rating signs at the entrance of the bridge similar to that shown on the following diagram included with this letter. It is the owner's responsibility to maintain the bridge to ensure the Load Rating remains valid.



Sincerely,
Alexander 'Sash' Williams, President
WILLIAMS ASSOCIATES ENGINEERING, INC

WILLIAMS ASSOCIATES

Engineering

A California Corporation



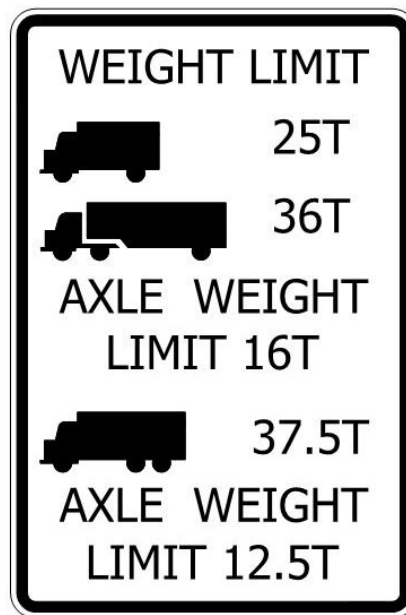
Winery access bridge at 2155 Pickett Road

WILLIAMS ASSOCIATES

Engineering

A California Corporation

BRIDGE LOAD RATING SIGN



NOTES:

1. SIGN SHALL COMPLY WITH STATE AND FEDERAL STANDARDS, AS APPLICABLE.
2. SIGN SHALL BE POSTED AT EACH ENTRANCE TO THE BRIDGE.