

Peer Review Evaluation of Visual Simulations Sausalito Ferry Terminal Project

October 2, 2017

Background and Introduction

In May 2016 Environmental Vision completed a technical review and evaluation of computer-generated renderings or visual simulations prepared by the Golden Gate Bridge, Highway, and Transportation District (the District) for proposed improvements to the Ferry Landing in the City of Sausalito (the City). Environmental Vision's 2016 work was performed to support the City review and decision-making process. The technical review focused on evaluating whether the visual simulation images were generally accurate (Environmental Vision. *Peer Review Evaluation of Visual Simulations-Sausalito Ferry Terminal Project*. June 1, 2016).

In July 2017 Environmental Vision was re-engaged to evaluate a set of updated visual simulations that portrays a slightly revised design for the Ferry Terminal improvements. This memorandum presents the current peer review results.

The District's updated visual simulations utilize the same base photographs used in preparing the District's earlier set of simulations that were the subject of the 2016 peer review. Environmental Vision employed comparable technical methods for evaluating the updated visual simulations as those employed previously in 2016. In addition, the same simulation viewpoints were selected for both the 2016 and the current 2017 peer review:

- View 3: Yacht Club looking southeast from a distance of approximately 120 feet;
- View 6: Plaza (at a mid-point) looking east from a distance of approximately 150 feet;
- View 7: south end of the Plaza, looking east from a distance of approximately 200 feet;
- View 8: along Bridgeway, looking north/northeast from a distance of approximately 600 feet.

Updated design data provided by the District and employed for purposes of the 2017 peer review are also comparable:

- 1) Written description outlining the simulation modeling and rendering procedures;
- 2) Four pairs of high resolution digital visual simulation and existing view images;
- 3) CAD files with site survey base drawing, proposed site plan, plan and elevation drawings of new/modified ferry terminal structures (Moffatt and Nichol); and
- 4) 3D digital model – 3dsMax format.

Evaluation

The written description of photo simulation methodology provided by the District indicates that professionally accepted computer modeling and rendering techniques were employed to produce the visual simulations.

The results of a comparison between Environmental Vision's 3D computer modeling and the visual simulations indicate that the simulation images generally show proposed structures in the correct locations and at the correct scale. The visual simulation images generally appear to be accurate overall.

Conclusion

In light of the peer review evaluation results outlined above, the updated visual simulation images are generally accurate with respect to the project's location, scale and appearance. Therefore, the four evaluated updated simulations are considered to provide reasonably accurate depictions of the proposed modifications to the existing Sausalito Ferry Terminal and no revisions are suggested.