

Alternative 2A – Replace Outside Handrail with Vertical System

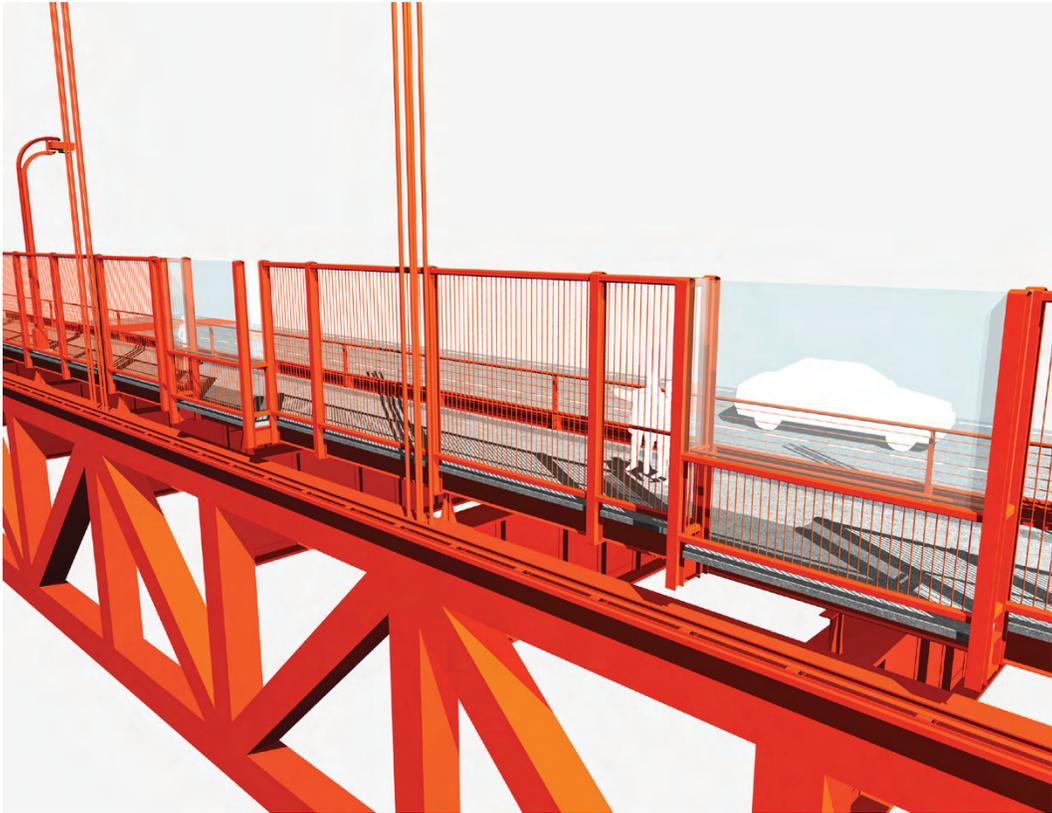
Alternative 2A would construct a new vertical 12-foot-high barrier consisting of ½-inch diameter vertical steel rods spaced at 4 ½ inches on center, leaving a 4-inch clear space between rods. A rub rail would be installed at the same height as the public safety railing (4 feet 6 inches). The existing rail posts would be replaced with new 12-foot-high outside rail posts at the same locations and of the same cross-section, size, material, and color of the original posts. The top horizontal header would consist of a chevron-shaped member matching the top element of the outside handrail to be removed. The vertical rods would be attached to the header and bottom barrier element. Transparent panels to preserve views would be installed at the belvederes and towers on both sides of the Bridge. Transparency would be preserved through ongoing maintenance of the panels.

This alternative assumes that the modification to the outside handrail on the west side of the Bridge between the two main towers and the installation of the wind fairings have been completed as part of the previously approved Seismic Retrofit Project. Figures 1-13 and 1-14 illustrate east and west side views of Alternative 2A and Figures 1-15 through 1-17 represent architectural sketches of the propose alternative. Special provisions for viewing areas are made at the mid-span of the Bridge. Figures 1-26 through 1-28 illustrate the plans for the physical suicide barrier at those locations.

Because maintenance workers would no longer be able to climb over the outside handrail to reach the below-deck maintenance traveler, gates would be located at a spacing of 150 feet on center to generally match the locations of the existing light posts and gates on the public safety railing. The gates would be 8 feet wide (two 4-foot-wide panels) and 12 feet high, and match the appearance of the vertical system. The frame for each gate door would be constructed of 2-inch by 2-inch steel members. A rub rail would be located at a height of 4 feet 6 inches, matching the height of the public safety railing.

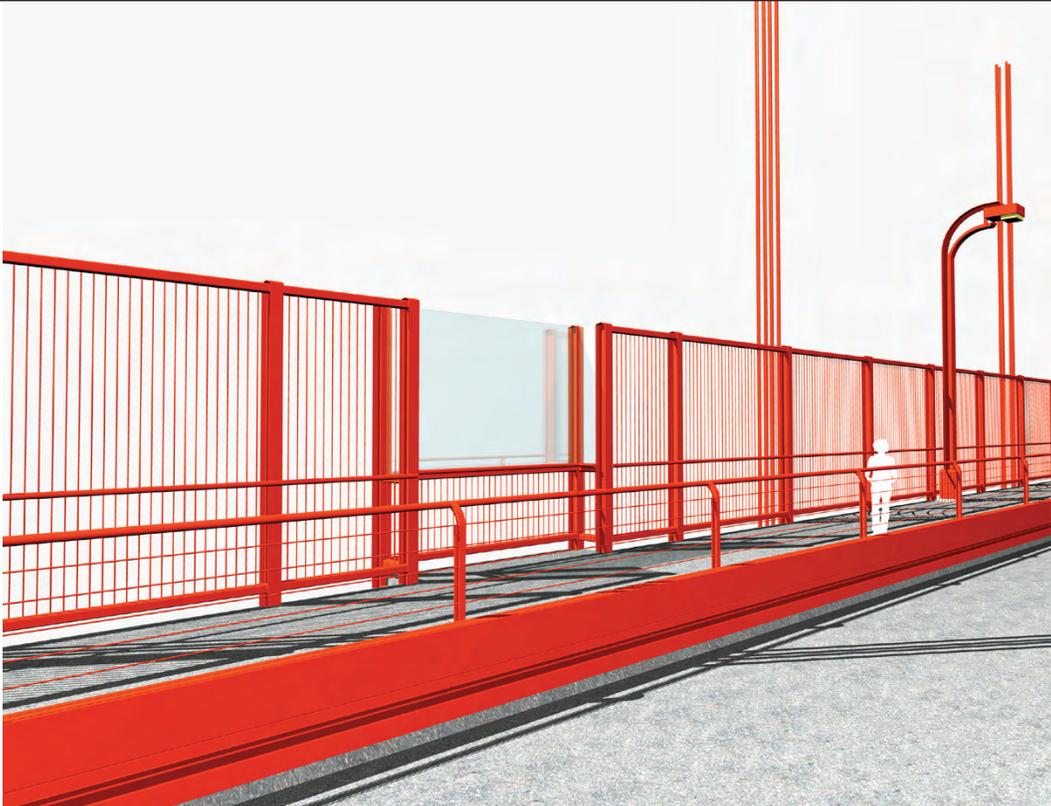


ALTERNATIVE 2A: ELEVATION EAST SIDE

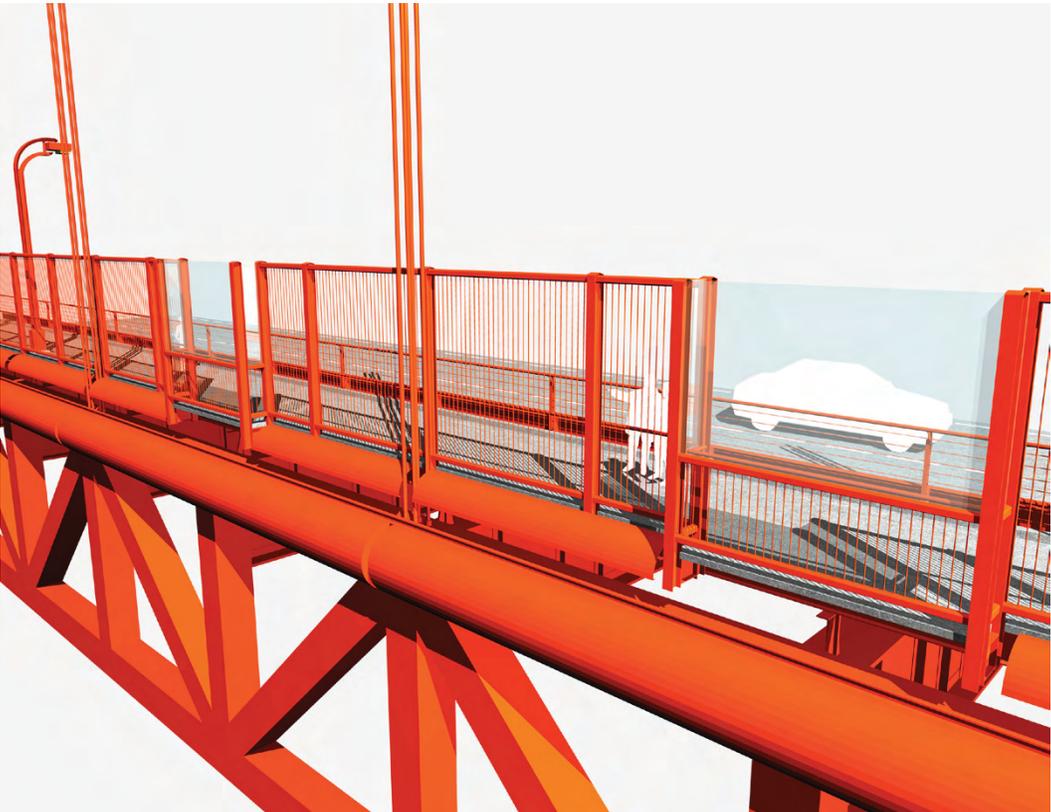


ALTERNATIVE 2A: EXTERIOR VIEW EAST SIDE

**FIGURE 1-13
ALTERNATIVE 2A: ILLUSTRATIONS**



ALTERNATIVE 2A: VIEW FROM ROAD



ALTERNATIVE 2A: EXTERIOR VIEW WEST SIDE

FIGURE 1-14

ALTERNATIVE 2A: ILLUSTRATIONS