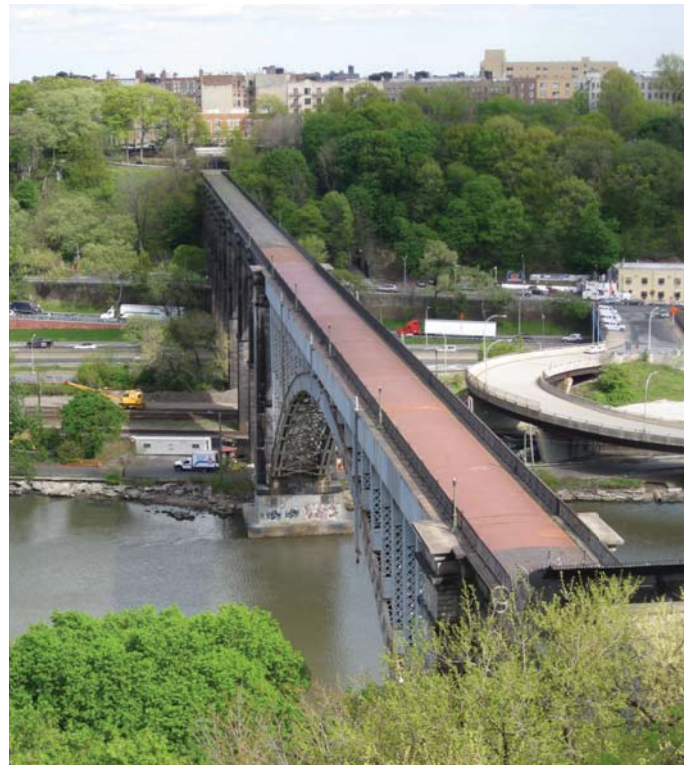


# Bridge and Overpass Planning and Design for Nonmotorized Transportation



Alta developed a plan addressing the needs of pedestrians and cyclists along an eight-mile stretch of the Charles River Basin in Boston. The effort included recommendations for path improvements along the river, and review of final design efforts for enhanced pedestrian and bike connection.

Alta helped develop final design for the rehabilitation of the High Bridge, the oldest connection between Manhattan and the Bronx. The restored bridge will provide link pedestrians and cyclists to the boroughs and connect to New York's greenway network. Alta provided conceptual design for pedestrian and bike access, and designed a wayfinding and signage system along the bridge.



The Sellwood Bridge in Portland, Oregon, carries over 25,000 vehicles per day on a crumbling two-lane bridge with one three-foot-wide sidewalk. Alta helped determine the future of the bridge for pedestrians and cyclists by establishing safe, intuitive, and streamlined connections to nearby bus stops, a future streetcar line, and two of Portland's most popular trail corridors.



# Bridge and Overpass Planning and Design, *continued*



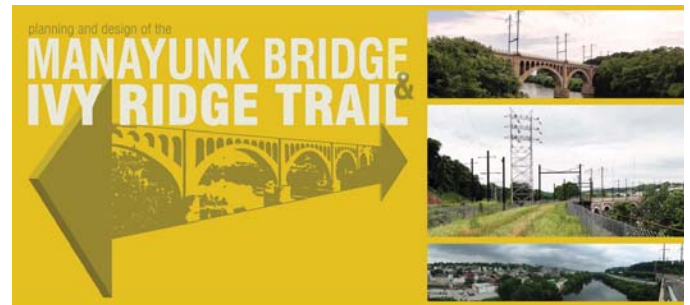
The Hood River Bridge on the Oregon-Washington border represents a critical crossing of the Columbia River. Alta's report provided a clear discussion of the challenge of providing safe and convenient nonmotorized crossings of the river, and provided extensive outreach with other relevant jurisdictions.



Alta conducted a feasibility study for a year-round pedestrian/bicycle grade-separated crossing of Highway 101 in Palo Alto, California, to provide connectivity from residential and commercial areas, and the regional Bay Trail network of bicycle trails.



Alta's bicycle safety study for the Golden Gate Bridge in the San Francisco Bay Area resulted in a set of policy and strategy recommendations to address the short and long-term issues of bicycle speed and safety on the Golden Gate Bridge.



Alta assisted the Manayunk Development Corporation in the creation of a bicycle and pedestrian trail across the Manayunk Bridge and along the Ivy Ridge rail line with \$1.3M in funding from PennDOT's Pennsylvania Community Transportation Initiative. Alta developed final design and construction documents for this first bicycle and pedestrian river crossing on the Schuylkill River in Philadelphia.