



Roads, Pedestrian Walkways/Bridges and Parking Lots



Sisters footbridge



Peterson Creek bridge crossing



*Gresham - looking north on
Main Street*



Brookings Pioneer Road

■ **City of Sisters, Oregon.** The City of Sisters asked HGE to help with a volunteer effort to replace a footbridge in their city park. The project was developed to replace an existing bridge that had deteriorated to the point where replacement was necessary. To prevent deterioration of the new bridge, the bridge was designed as a covered structure. The span of the structure required large diameter old growth Tamarack to span Squaw Creek in the City Park. The bridge was completed in the spring of 2000.

City of Manzanita, Oregon - Peterson Creek. Routing of waterlines from the well field to the control building required crossing Peterson Creek. Two alternative creek crossing methods were considered, but a bridge crossing alternative was selected which resulted in: 1) temporary impact during removal of the culverts and excavation/backfill for the bridge abutments on the creek bank; 2) long-term improvement to fish passage at the existing road crossing of the creek. The bridge crossing design was reviewed and approved by the Lower Nehalem Watershed Council and Tillamook County Planning Department.

City of Gresham, Oregon - Street Renovation. HGE developed concept plans and working drawings for pedestrian improvements related to street renovation in downtown Gresham, Oregon. HGE provided design, survey, grant application and construction management services for the grading, paving, lighting, signals, utility relocation, drainage, parking requirements, street plans, profiles, surface improvements, and landscaping elements of the entire length of North Main Street, though the downtown business core. The completed design was awarded "Gresham's Best 1990 Community Design Award." Pedestrian improvements include bomanite crosswalks, new sidewalks of patterned concrete, street trees, benches, litter receptacles, ornamental street lighting, and narrowed lane width at strategic locations.

City of Brookings, Oregon, Pioneer Road and Parking Lot. Brookings retained HGE to develop two major transportation related projects in 2002. These included a major renovation of Pioneer Road to provide community access to the rehabilitated Brookings schools and a municipal parking lot.

Bay Area Hospital, Coos Bay, Oregon - Access Road and Woodland Avenue De-Acceleration Project. HGE was retained to perform all engineering functions, including permit acquisition and evaluation of traffic flows involved in the design and layout of an alternative facility entrance to Bay Area Hospital. The project involved factoring in ADT's, sight distance, and vehicle speed to determine the length of the de-acceleration lane and taper ratios. The project included all roadway section improvements, along with signage, lighting and striping plan, all relinquishment and dedication documents, and overall project design and coordination with the City of Coos Bay, including post-construction services.