This was a multi-task, multi-discipline project which included a 1.7-mile extension of Timberline Road (a major arterial in the City of Fort Collins), a 340-foot span bridge over the Cache la Poudre River, an earthen levee, and coordination with concurrent design/construction of the Dry Creek Overflow Channel parallel to a portion of the roadway extension. This project was completed by the staff of Anderson Consulting Engineers while previously affiliated with Lidstone & Anderson, Inc. Specific tasks included:

- **Design and accreditation of a 750-foot levee** to effectively eliminate one of two divergent flow paths;
- **hydraulic evaluation** of alternative bridge designs;
- **hydraulic design of a 340-foot span bridge** over the Cache la Poudre River, including 100- and 500-year scour analyses;
- **design of channel stabilization measures** in the vicinity of the bridge and the confluence with the proposed Dry Creek Overflow Channel;
- **design of an alternate conveyance channel** under the bridge for carrying large flood flows, and providing both a wildlife and bicycle trail corridor;
- **100- and 500-year floodplain evaluation and delineation** for existing and with-project conditions, for the river and two divergent flow paths;
- **1-foot and ½-foot rise floodway evaluation and delineation** for existing and with-project conditions, for a 4.5-mile reach of the river and two divergent flow paths; and
- **preparation of all CLOMR and LOMR application materials** for the Cache la Poudre River and the two split flow paths, which resulted in the accreditation of the included levee.