Some of the excitement of being involved with ASPIRE™ magazine is receiving information about the unique and sometimes daring bridges that are being built around the country. Many of these designs would have been thought to be unbuildable a decade ago. Most of the solutions incorporate notable aesthetic provisions and long-term performance enhancements, and some are located where gaining access becomes one of the major engineering accomplishments. This issue features a mixture of such projects.

As an example of the wonderful projects being presented, we asked Fred Gottemoeller to review the projects worthy of his insightful “Aesthetics Commentary.” He responded that the issue contains “an embarrassment of riches.” You can read his note in the Reader Responses on page 4.

We endeavor to bring you the best and most innovative projects. We consider it our privilege to deliver the “riches” that are increasingly gracing the nation’s landscape. Further, we find it gratifying that the innovative designers, the owner agencies, and the builders eagerly share the designs and construction details that make these projects so interesting and the information so valuable.

A firm that is creating such lasting designs is International Bridge Technologies (IBT) in San Diego, Calif. Just 10 years old, but originating from deeper roots, this group operates from six international offices and has already left its mark among noteworthy bridges. The designer FOCUS begins on page 8.

The Hoover Dam Bypass, Colorado River Bridge is taking shape to be one of the country’s most scenic roads and bridges. Its history with concrete bridges goes back to the early part of the twentieth century. The history is chronicles on page 48 by Ray Bottenberg with the Oregon Department of Transportation.

“If we could just curve those precast concrete girders…!” Well, the state of Colorado is doing just that. Together with innovative techniques brought to the challenge by Gregg Reese of Summit Engineering, the state is making use of curved girders to create durable, high-performing, cost-effective bridges and ramps. One of the latest, 1-70 to SH58 Interchange Ramp A, is described beginning on page 28.

Innovation can be found in many quarters. The Federal Highway Administration’s (FHWA) “Bridge of the Future” initiative has identified promising materials and technology. A material undergoing more development is ultra-high-performance concrete (UHPC). In the first of a two-part article, FHWA explains what UHPC is, how it may be useful in the future and where it has been used for bridges to date. See the article that starts on page 46.

And there are more very interesting projects. The Elwha River Bridge in Washington State (page 24), the Pacific Street Bridge in Oceanside, Calif. (page 34), and the Auction Road Bridge in Pennsylvania (page 40) round out this issue’s impressive bridges. Don’t pass up the profile of Grant County, Wash. (page 53) and its experience with concrete solutions as well.

Be sure to tell us about your projects. We would love to hear about them. It’s easy to drop us a line from www.aspirebridge.org. You can help also by completing a brief survey there that will give us guidance about ASPIRE. All previous issues of ASPIRE can be viewed or downloaded from the website.

Log on NOW at www.aspirebridge.org and take the ASPIRE Reader Survey.