

Exhibit 23.1

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the incorporation by reference in Registration Statement No. 333-59277, 333-95167, 333-65884, 333-117431, 333-40384, and 333-135400 on Form S-8 of Heritage Commerce Corp of our report dated March 17, 2008 with respect to the consolidated financial statements of Heritage Commerce Corp and on the effectiveness of internal control over financial reporting, which report appears in the Annual Report on Form 10-K of Heritage Commerce Corp for the year ended December 31, 2007.

/s/ Crowe Chizek and Company, LLP

Oak Brook, Illinois

March 17, 2008