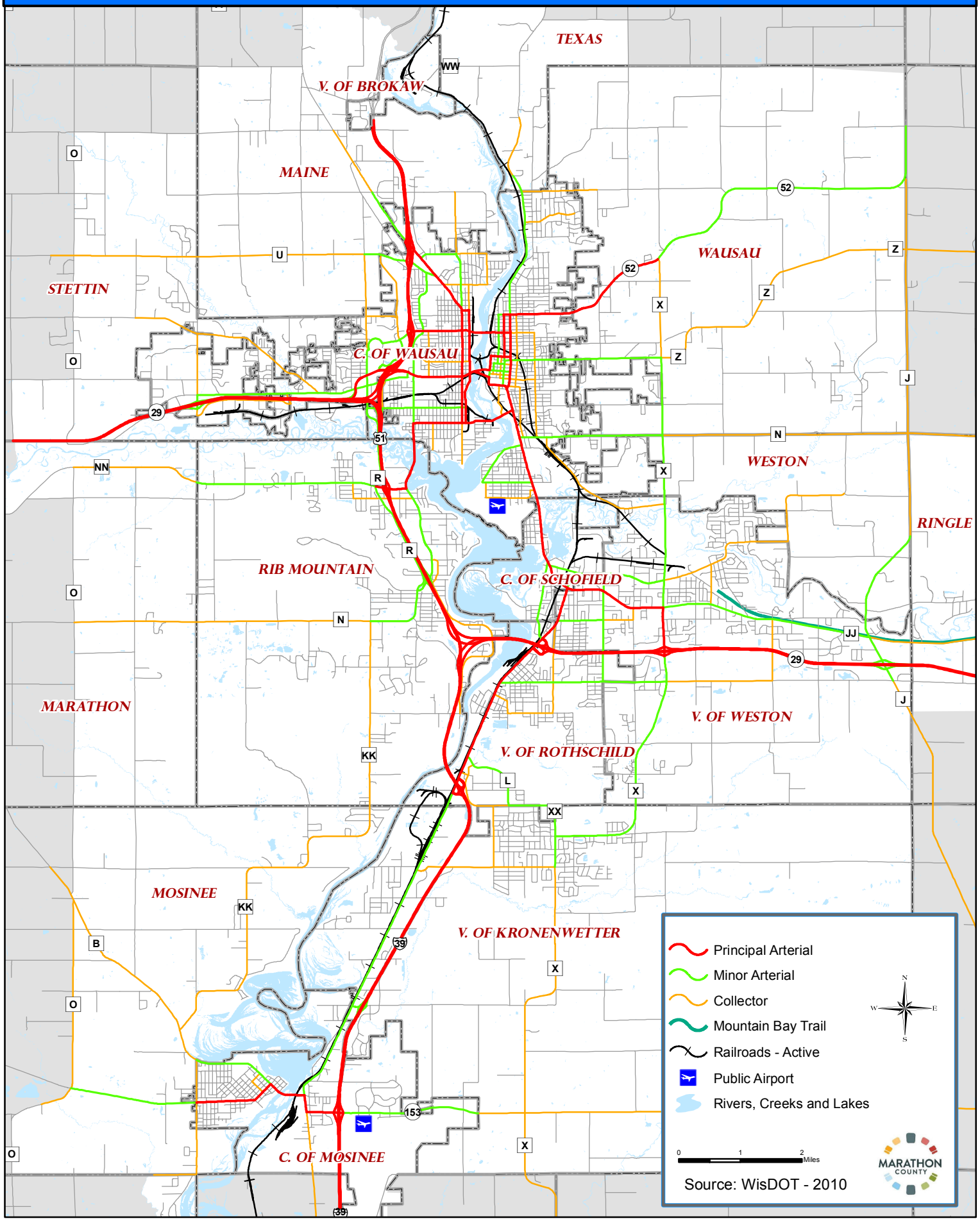Functional Classification