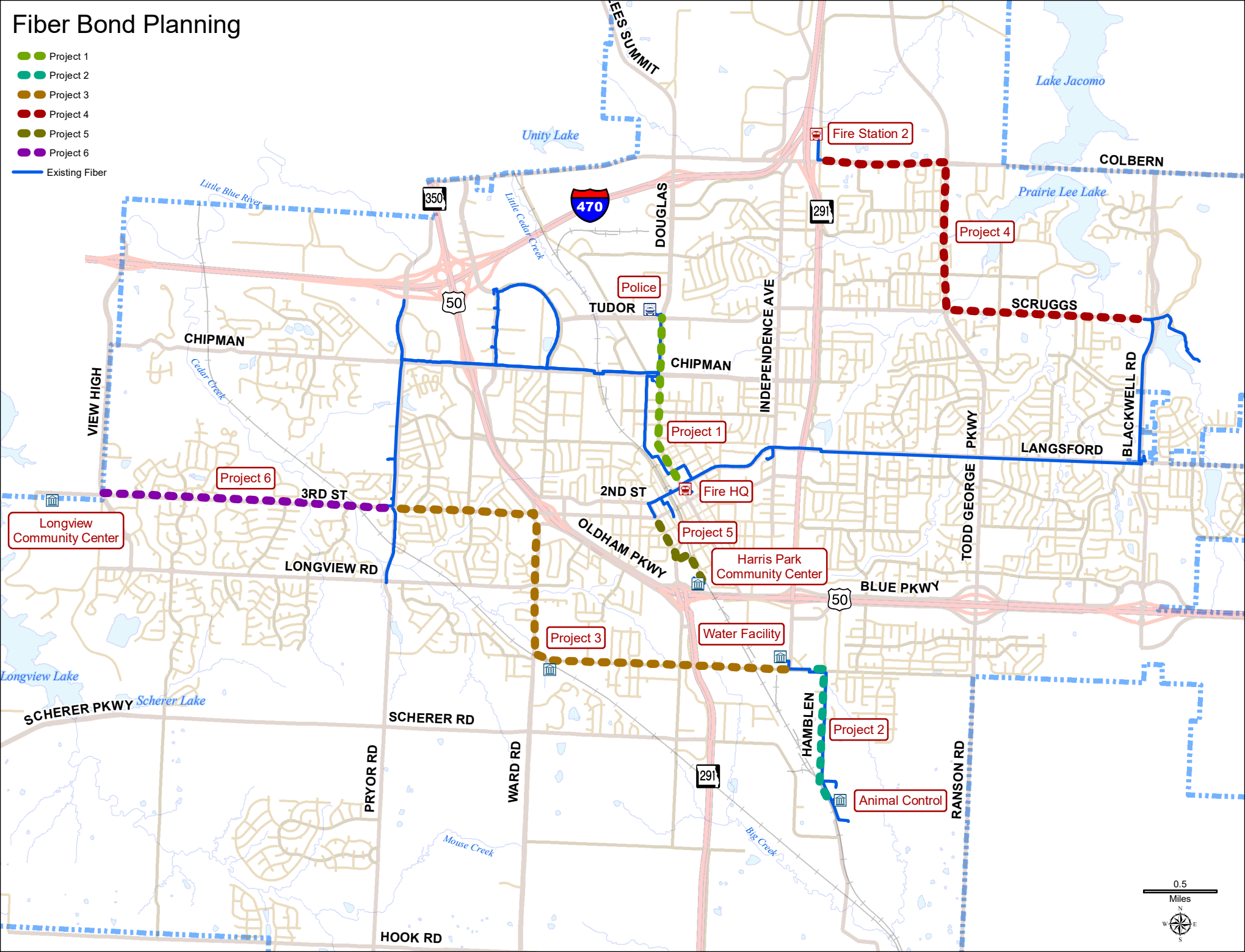Fiber Bond Planning