



December 15, 2014

To: Jeff Bales, City of Waterloo - Engineering
Sandie Greco, City of Waterloo - Traffic Operations

From: Larry Berns, P.E. – Ament Design

Re: Intersection Control for Kimball Avenue Frontage Road at Right-In / Right-Out Access Drive near Station 123+10, Left
Kimball Avenue
STP-U-8155(731)—70-07

Ament Design recommends that the intersection control for the Kimball Avenue Frontage Road at the newly-constructed right-in / right-out access drive be installed as per the Plans. The Plans call for a 30" x 30" "STOP" sign – with a red metal flag above – to be installed on both the north and south approaches of the Kimball Avenue Frontage Road at the T-intersection created by the recent construction of the right-in / right-out access drive near Station 123+10, Left.

Another signing option that should be considered is the installation of a 24" x 12" "TRAFFIC FROM LEFT (RIGHT) DOES NOT STOP" (W4-4aP) supplemental plaque below each stop sign that controls the Kimball Avenue frontage road.

We recommend that the operation of this newly-created T-intersection be observed for driver compliance with the recently-installed stop sign control. If driver compliance with the stop sign control is not acceptable, we recommend that a 30" x 30" Stop Ahead symbol warning sign be installed in advance of the stop sign on one or both of the frontage road approaches, depending on the level of compliance with the intersection control for each approach. The Stop Ahead symbol warning sign, if installed, should be located at least 100 feet in advance of the Stop sign location.