

**COUNCIL ACTION FORM****SUBJECT: 2018/19 TRAFFIC SIGNAL PROGRAM (US HWY 30 WB OFF-RAMP & S DAKOTA AVE)****BACKGROUND:**

The Traffic Signal Program is the annual program that provides for replacing older traffic signals and constructing new traffic signals in the City, which will result in improved visibility, reliability, and appearance of signals. This program provides the upgrading of the traffic signal system technology. In recent years, traffic signal replacements have included radar detection systems instead of in-pavement loop detection systems that had previously been used (frequently a point of vehicle detection failure). An advantage of the radar detection system is that it detects bicycles in addition to vehicles. **This project will install a new signal and new pedestrian ramps at the westbound off-ramp of US Highway 30 to S. Dakota Avenue.**

WHKS of Ames, Iowa, developed plans and specifications with an estimated budget as shown below:

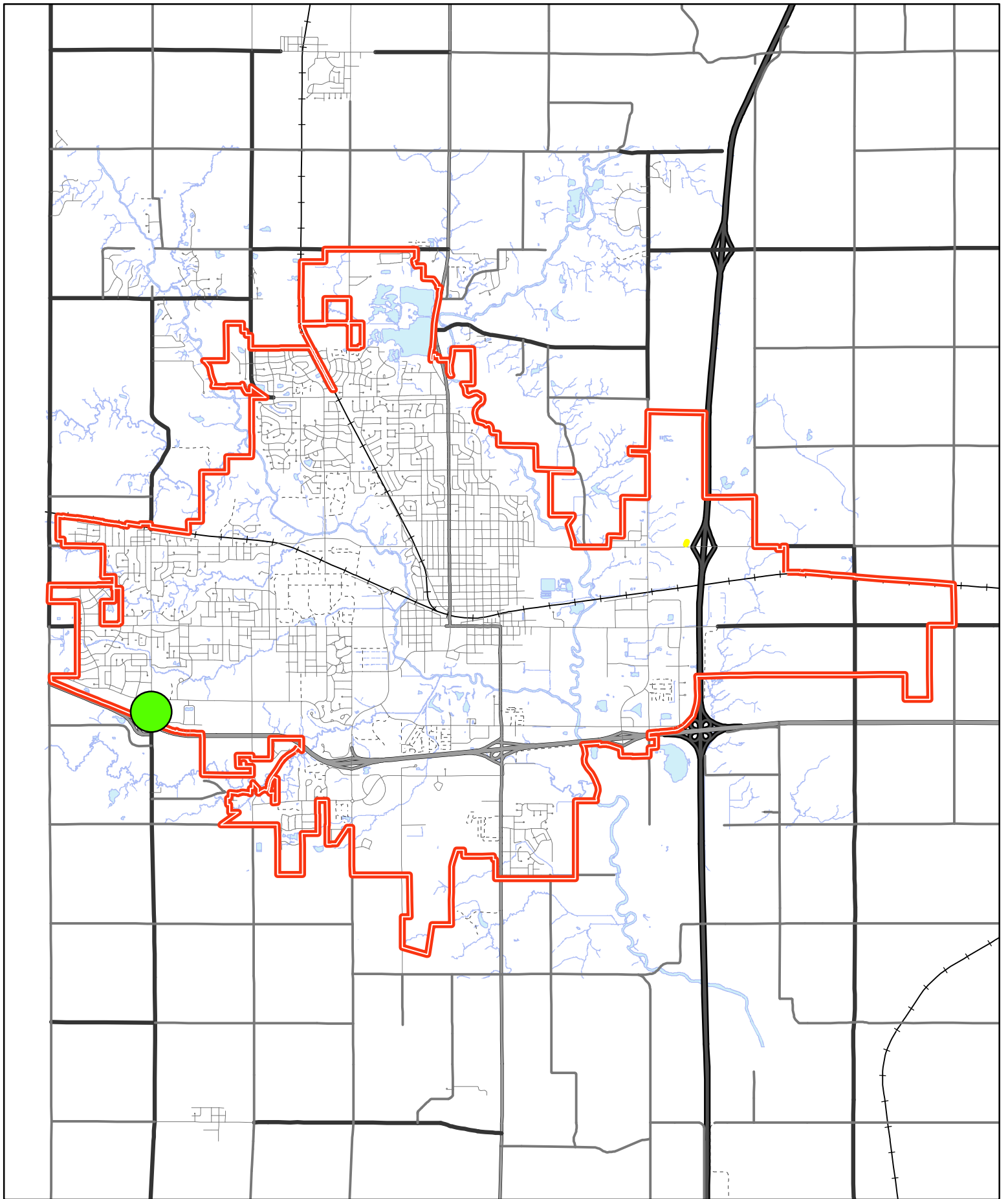
<b>Revenues</b>		<b>Expenses</b>	
Road Use Tax	\$180,000	Administration	\$20,000
U-STEP Funds	\$200,000	Design	\$18,300
		<b>Construction/Install</b>	<b>\$229,859</b>
		Signal Poles	\$21,000
		Signal Cabinet	\$40,000
<b>Total</b>	<b>\$380,000</b>	<b>Total</b>	<b>\$329,159</b>

**ALTERNATIVES:**

1. Approve the plans and specifications for the 2018/19 Traffic Signal Program (US HWY 30 WB Off-Ramp & S. Dakota Avenue) project and establish September 4, 2019, as the date of letting with September 10, 2019, as the date for the report of bids.
2. Do not approve the project.

**MANAGER'S RECOMMENDED ACTION:**

By approving these plans and specifications, it will be possible to provide more reliability and safety for residents using this intersection. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, as described above.



2018/19 Traffic Signal Program  
US HWY 30 WB Off-Ramp & S Dakota Ave



Project Location



1 inch = 6,612 feet

Date: 8/7/2019