

iWG Assessment

SWATeam Recommendation Ref #: WATER007 – SeeClickFix

Date of iWG Assessment Started: 06/07/2019

Assessment Completed: 08/08/2019

Original SWATeam Recommendation:

SeeClickFix is an application that is used by citizens of both Champaign and Urbana to report damaged or underperforming infrastructure to their local public works departments for repair. According to this application, 2498 issues were fixed all time in Champaign, and 27 have been resolved in Urbana. In similar fashion, the University has a few options to crowd-source data about infrastructure problems.

1. Facilities and Services (F&S) can set up their own account as the University of Illinois at Urbana-Champaign through the service to cut out the need to communicate directly with the two cities. This would most likely be the more costly option, but would be quick and require no third-party effort.
2. F&S could collaborate with Champaign and Urban to receive information about infrastructure problems that fall under the campus' jurisdiction. This option would likely be cheaper than having a subscription, but cooperation with the cities would be pivotal.
3. Through student-led projects, develop a campus-specific application and database. In this case, spatial data and data about the kind of problem can be incorporated with GIS and would be more readily available to the campus community. Water specific data could be used to determine the optimum locations for green Stormwater infrastructure.

iWG Assessment of budget and policy impacts (*check one*):

moderate budget and/or policy impact OR major budget and/or policy implications

iWG Routing Need (*check one*):

more detailed study OR transmit recommendation OR forward to Sustainability Council

iWG Routing Direction (*department name, SWATeam, or Council*): F&S

iWG Recommendation: Assess different options such as using the existing app, or developing a new one ourselves. Consider real time data sharing.

Individual comments are required from each iWG member (can be brief, if member fully agrees):

iWG Member Name	iWG Member's Comments
Ximing Cai (iSEE)	I support this recommendation. The data collected can be useful for research in the context of using campus as living lab. A plan should be male for real time data sharing to multiple campus communities.
Morgan White (F&S)	F&S is interested in working with the SWATeam and a student intern or group to address this recommendation. Our existing work order system collects crowd-sourced information online, and it can be used on a mobile device.
Alma Sealine (Student Affairs)	I support this recommendation.
Matthew Tomaszewski (Provost's Office)	It would be great to see how the F&S Service Request IT system can tie into the Smart Campus Initiative.
Scott Willenbrock (Provost Fellow)	I support this recommendation.

John Dallesasse (Academic Senate)	I support this recommendation.
Joe Edwards (Student Sustainability Committee)	I agree with this recommendation, an application of this sort could be a good project for a student interested in sustainability.
Sean Reeder (OBFS)	This appears to be duplicative. If a system exists, can efforts be put towards one, communicating with the campus and community neighbors about the system, and two, improving the system.
S. Renee Wiley (college-level facility manager)	I support the spirit of this recommendation, however, I believe there is more work to be done to clarify “infrastructure,” determine what resources are currently available that may be fulfilling or partially-fulfilling this objective. I feel this recommendation should be further discussed/sent back to the SWATeam to provide clarity and further investigation.
Joey Kreiling/Jonah Messinger (Student Sustainability Leadership Council)	Totally agree, deferred maintenance is a huge problem at UIUC.

Attach any comments from subject matter experts (with names and roles).