

Equipping Staff with Tablets

2016 Lucity User Conference
Jerry Biedenbender, GIS Coordinator
SD1



Background

- SD1
 - Service area
 - Boone, Kenton, & Campbell Counties
 - These counties boarder the Ohio river
 - Sewer
 - 1,600 +/- miles of pipe
 - 46,000 +/- Structures
 - 121 pump Stations
 - 15 flood Stations
 - 3 Regional Treatment Plants
 - 8 Small Package Plants
 - Storm
 - 440 +/- Miles of Pipe
 - 32,000 +/- Structures



Background Continued

1999 purchased GBA in – (January)

1999 Completed implementation – (November)

2011 Purchased Lucity Web in – (November)

2012 Implemented Lucity Web – (January)

2014 Configuring mobile Android – (January)

2015 Deployed mobile Android – (February)

2016 Deployed Android Warehouse app – (August)

Modules

- Work
- Sewer
- Storm
- Equipment
- Fleet
- Facility
- Mobile
- Warehouse
- General
- GIS

SD1's Workforce



Tablet



 Lucity Mobile - Login



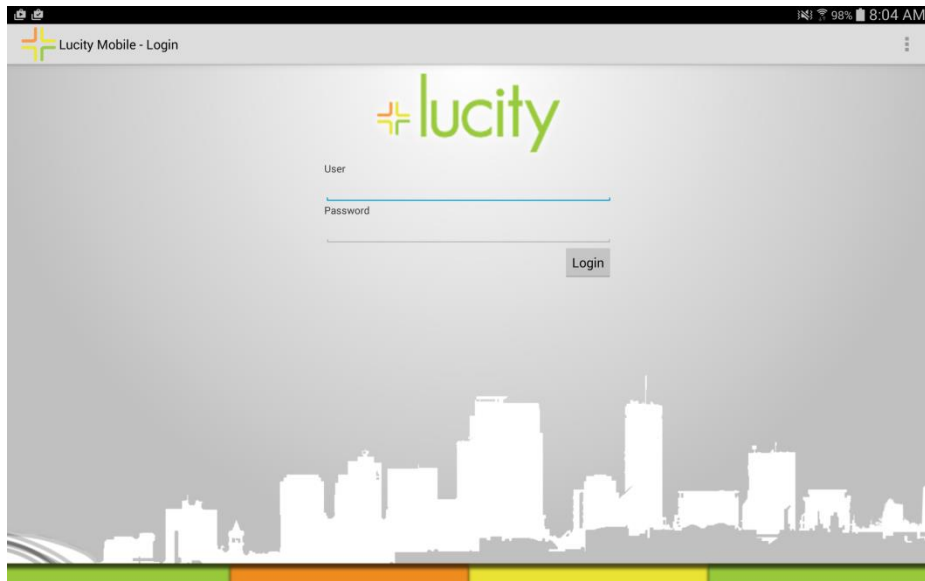
User

Password

Login



Android Tablet Progress



As of September 2016

- 48 tablets deployed



Tablet

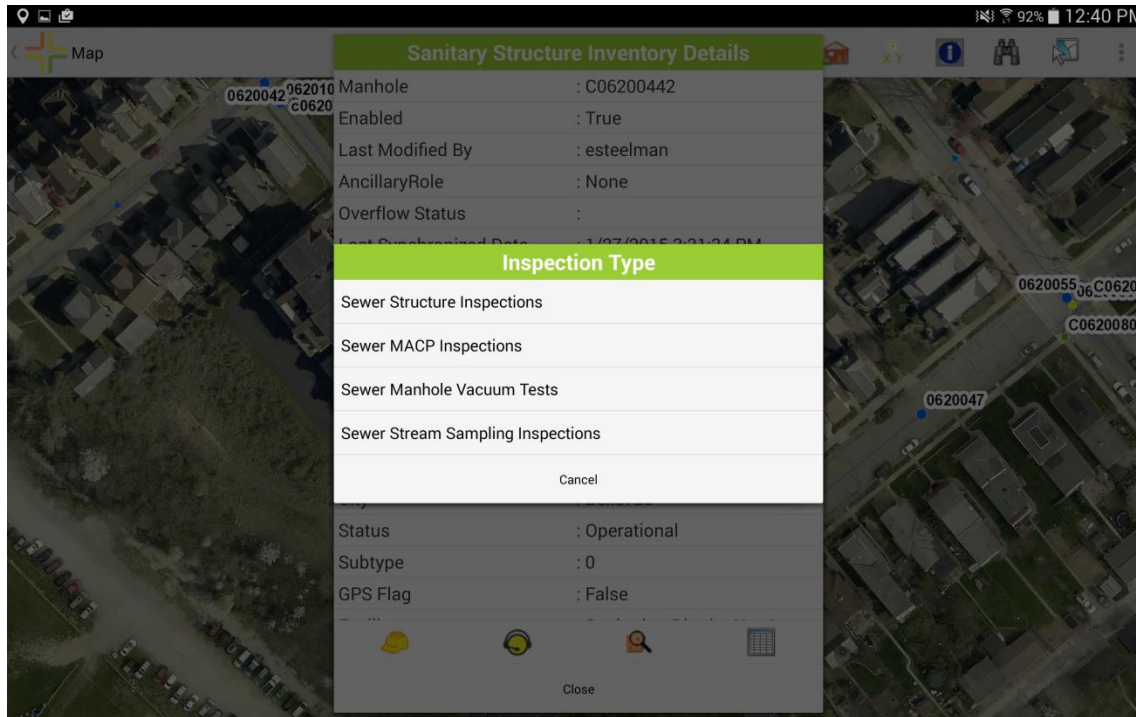
Benefits

- Streamline processes
- Saves time
- Speed
- Accuracy
- Data integrity
- Real time connections
- Linked Photos

Obstacles to overcome

- Screen issues
- Camera issues
- Verizon Cell connection issues
- Battery issues
- Lack of IT support
- Photo Size.

Structure inspections



Inspected Date* 9/11/2015
 Structure Rec #* 009.07.0102
 MACP Rec # 529
 Inspection Type* 3 Condition Assessment
 Inspected By* 555 Ray Simpson

Condition Assessment

Surcharge: N No Unable To Inspect
 Weather: 1 Dry Debris Depth (in.): 1 Post inspection cleaning
 Debris in Roadway: 1 No Frame Offset Dist: 0
 Cover Frame Fit: G Good Cleaning Method Req:

Cover Condition	Frame Condition	Seal Condition
<input checked="" type="checkbox"/> Sound Cover Cond	<input type="checkbox"/> Sound Frame Cond	<input type="checkbox"/> Sound Seal Cond
<input type="checkbox"/> Cracked Cover	<input type="checkbox"/> Cracked Frame	<input checked="" type="checkbox"/> Seal Missing
<input type="checkbox"/> Broken Cover	<input type="checkbox"/> Broken Frame	
<input type="checkbox"/> Corroded Cover	<input type="checkbox"/> Frame Missing	
<input type="checkbox"/> Cover Bolts Missing	<input checked="" type="checkbox"/> Corroded Frame	
<input type="checkbox"/> Cover Missing		

Additional Comments
 THERE IS OLD ASPHALT & CONCRETE IN BOTTOM OF

SSO Inspections



Pump Stations

- Station Inspections
- Pump Inspections
- Pump Readings
- Generator Readings

9/7/2016 11:56 AM

Burlington - Sanitary Pump Station - Pumps > PU0116 > Sewer Pump

*Employee	*Sewer Pump Rec #	
784 - Nate Gerrety	PU0116	
*Reading Date	*Current Hourmeter	New Clock Installed
09/07/2016	6201.5	
Previous Date	Previous Hourmeter	Hourmeter Difference
09/05/2016	6200.1	1.4

11/28/2014

Burlington - Sanitary Pump Station - Pumps > PU0118 > Pump Inspection > 11/28/2014

Date	*Pump Rec #		
11/28/2014	PU0118	3	000220
*Inspected By			
681 - Jeremy Rubenstein			
Pump Condition	Motor Condition	Seal Condition	
1 - Good	1 - Good	1 - Good	

Field Locations

16-018460

Open Location Requests > 16-018460

[Assets \(1\)](#) [Work Order Tasks \(1\)](#) [Work Orders \(0\)](#) [Work Order Tracking \(5\)](#) [Comments \(0\)](#) [PM/Work Template \(0\)](#) [Wor](#)

General Information

Work Order #	16-018460	*Category	2100 Sewer line locations
Status	2 - New Work Order	Problem	1202 Locate line
Status Date	09/06/2016	Status Time	1:58 PM
Main Task			

Location Tab

Cause	1003 Construction/Utility Work	*Comment From Request	mark the back yard. Melissa, 513-260-3591
*Supervisor	570 Doug Malone		
Lead Worker	383 Mark Griffith		
Requested By			

Trouble calls



Plant equipment assessment

DC-AT-MG-B

Plant Equipment > DC-AT-MG-B
Equipment Inspection (1)

*Equipment ID DC-AT-MG-B
Equipment ID Text Aeration Tank B - Main Gate

Operating Status 1 - Operational
Equipment Type 68 - Gate

Make _____ Model _____

Type _____ Capacity _____

Manufacturer _____ Year _____

Serial Number _____ HP _____

General Comment
Enter your comment here

9/9/2016

Plant Equipment > DC-AT-MG-B > Equipment Inspection > 9/9/2016

*Equipment Rec # DC-AT-MG-B
Condition Rating: Aeration Tank B -

*Inspected By test
1 - Like New

*Date Inspected 09/09/2016
2 - Good Condition, Some signs of wear
3 - Average Condition, many signs of wear
4 - Bad Condition, failure within 1 year
5 - Poor Condition, imminent failure

*Overall Rating 0 - N/A

Condition	Ancillary Items
*Corrosion 0 - N/A	*Piping 0 - N/A
*Leakage 0 - N/A	*Valves 0 - N/A
*Vibration/Noise 0 - N/A	*Instruments 0 - N/A
*Support/Base Damage 0 - N/A	
*Paint/Coating Damage 0 - N/A	
*Labeling Missing 0 - N/A	

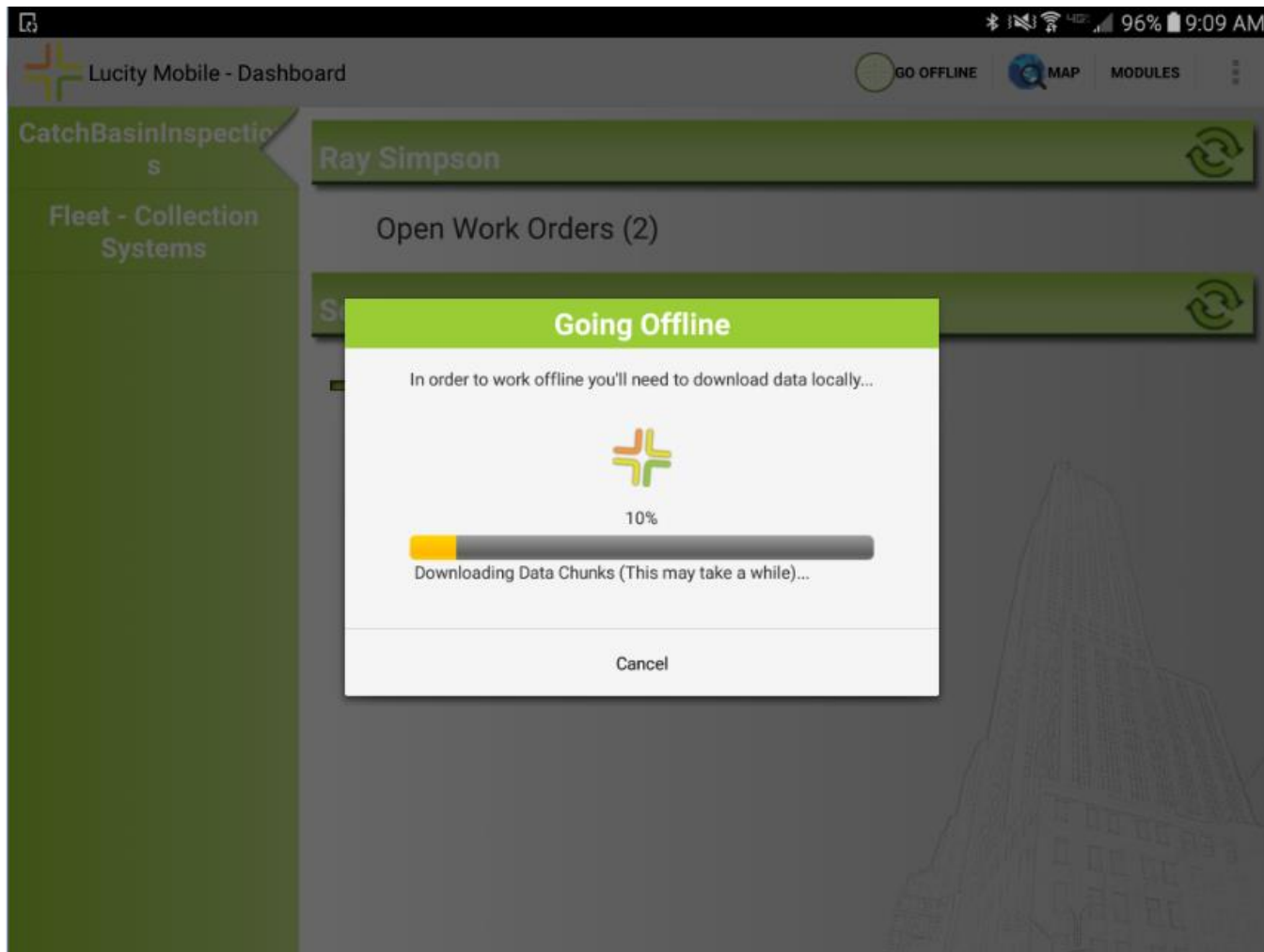
General Comment
test record

Other processes



- BMP Asset inspections
- Nasal ranger tests

Offline mode



Warehouse App



Default Warehouse: 1 (COLLECTION SYSTEMS)


Adjust Stock Quantity


Transfer Parts


Part Stock Counts

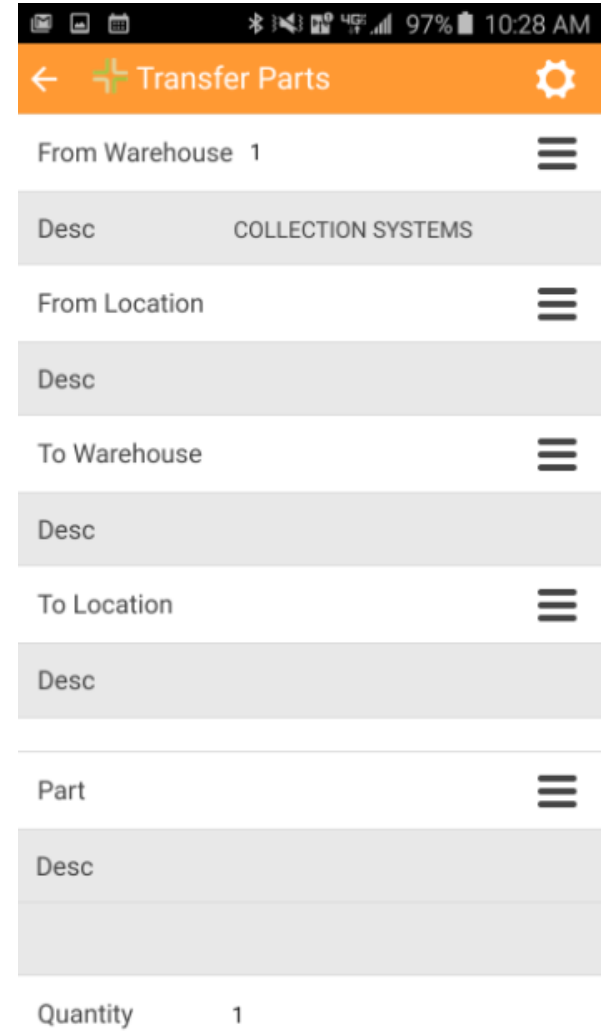

Employee Issue


Receive Inventory (PO)


Work Order Task Parts


Lookup Part


My Recent Transactions





Struggles

- Photo trickery
- Linked documents
- Cell Service
- Users staying logged in.
- Offline mode setup
- Default views

Questions?

- Contact Info

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