SAVER

Situational Awareness Viewer for Emergency Responders

May 25th, 2021

Law & Public Safety Committee

Importance of Caller Location

Location accuracy rules improve emergency response times, which, in turn, improve patient outcomes and save lives.

Location accuracy improvements had the potential to save approximately 10,120 lives annually.

(FCC 2015)

GPS/Mapping Project Progression

May 2018 GPS data wasn't easily accessible or viewable to Officers in the field

Meeting with CAD Vendor July 2018 to evaluate in car mapping

June 2018 GPS data was set to be displayed in CAD incident comments

Aug 2018 Application to assist in transferring GPS raw data was developed

Late 2018/ Early 2019 Ongoing meetings with CMO office, ETS, ECC, and vendors for a complete solution

July 2019 Began Collaboration with developer (CFD/Raven) for in house solution

GPS Location

Time

Integration Complexity

$$$$

TRITECH

InterAct Mobile

CAGIS

LIVE EARTH

RAVEN 911

COMMANDCENTRAL AWARE

GPS Location

Project Goals

- Incident Situational awareness tool available in the field (MDCs) and supporting units (Real Time Crime Center)
- Web-based with no negative impact on other applications
- Ability to access overview incident information
- Display of multiple data points on one map

"If you gave the Officers in the field an pin point on a map, they would be well served many times more than not…"

- Stephen Meer
Co-founder Intrado & Pioneer of 911 Technology

We have developed a simple, accessible, and easy to use mapping application so that officers can see where they are in relation to the incident and 911 caller…

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Available on CLEAR (MDC), CPD, and CFD networks using Chrome

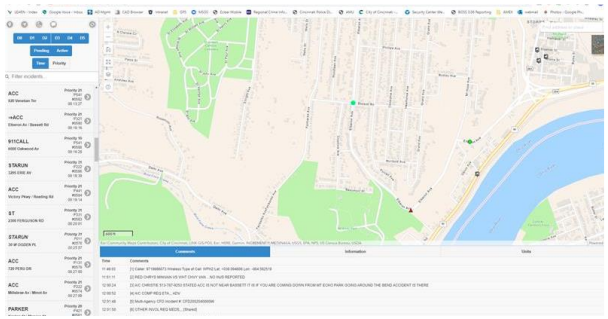
Base user map displays:

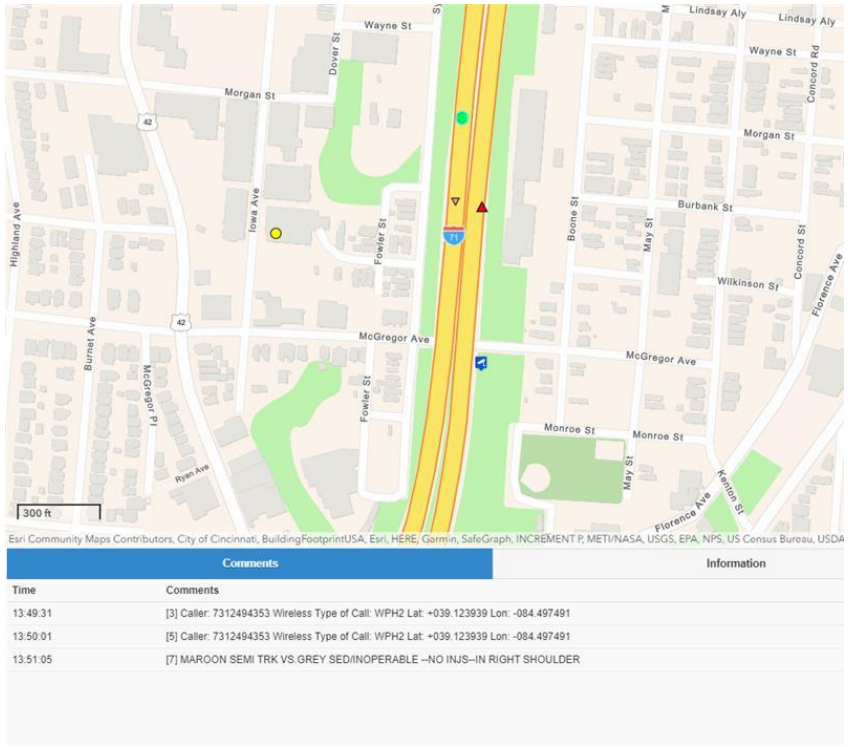
- Active and Pending CAD Incident locations (Dispatch entered address)
- Individual Officer/ Unit Location (MDC/Vehicle)
- Caller location (Provided from Phase 2 and Rapid SOS)
- Public Safety, Private, and ODOT Camera Locations
- Shotspotter data (past 24hrs)

Additional key information such as units assigned, general incident data, and ongoing comment information

Incident filtering and searching

Layering





SAVER

CBS D1 D2 D3 D4 D5 UC

Pending Active

Time Priority

Filter incidents...

RBURG
4334 WATTERSON ST
Priority 11
P231
CPD #0326
00:01:08

ST
801 LINN ST
Priority 31
P131
CPD #0328
00:02:10

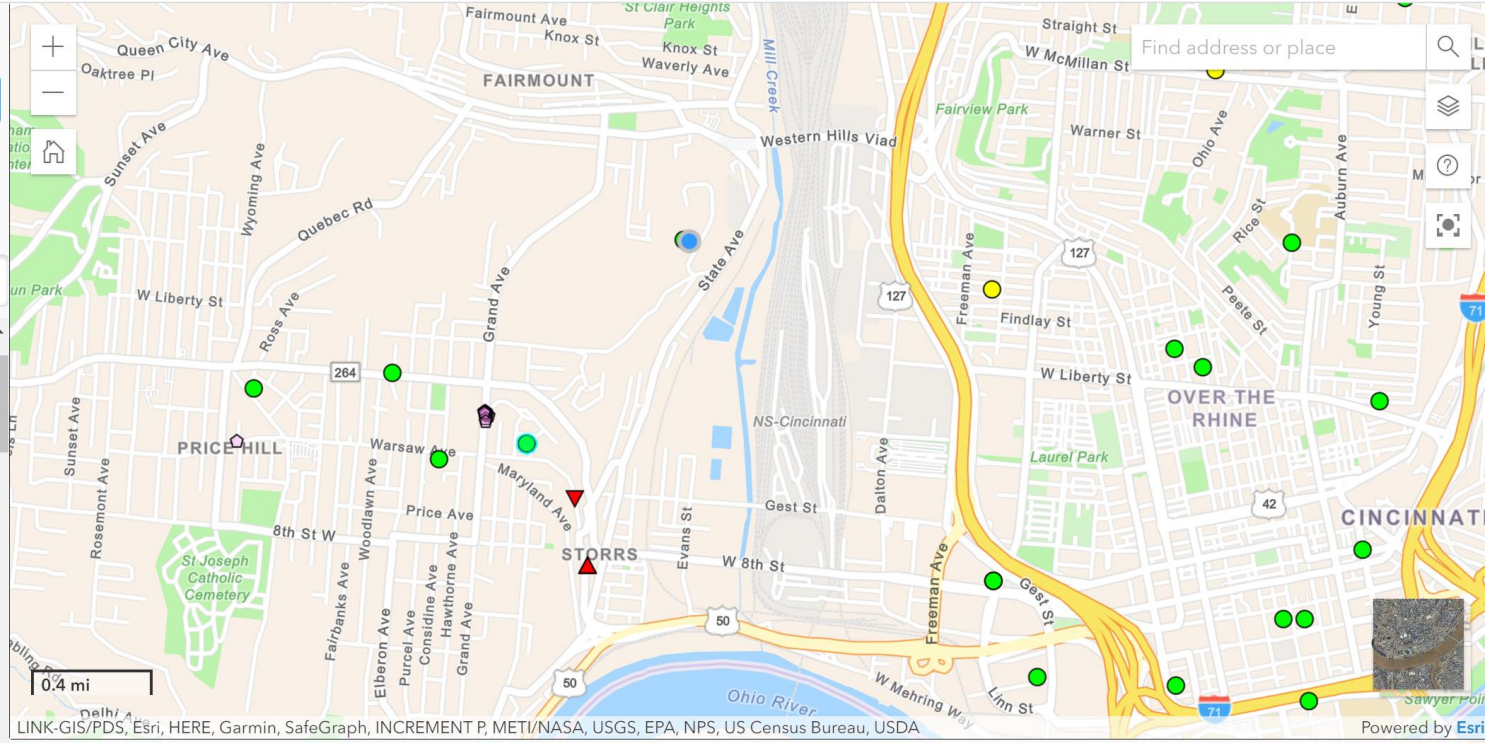
ST
2300 FERGUSON RD
Priority 31
P331
CPD #0327
00:03:15

U-Unlock Door
318 College Dr
Priority 22
UCPD #0032
00:03:18

PARKER
1021 Kingston Pl
Priority 29
P321
CPD #0325
00:03:19

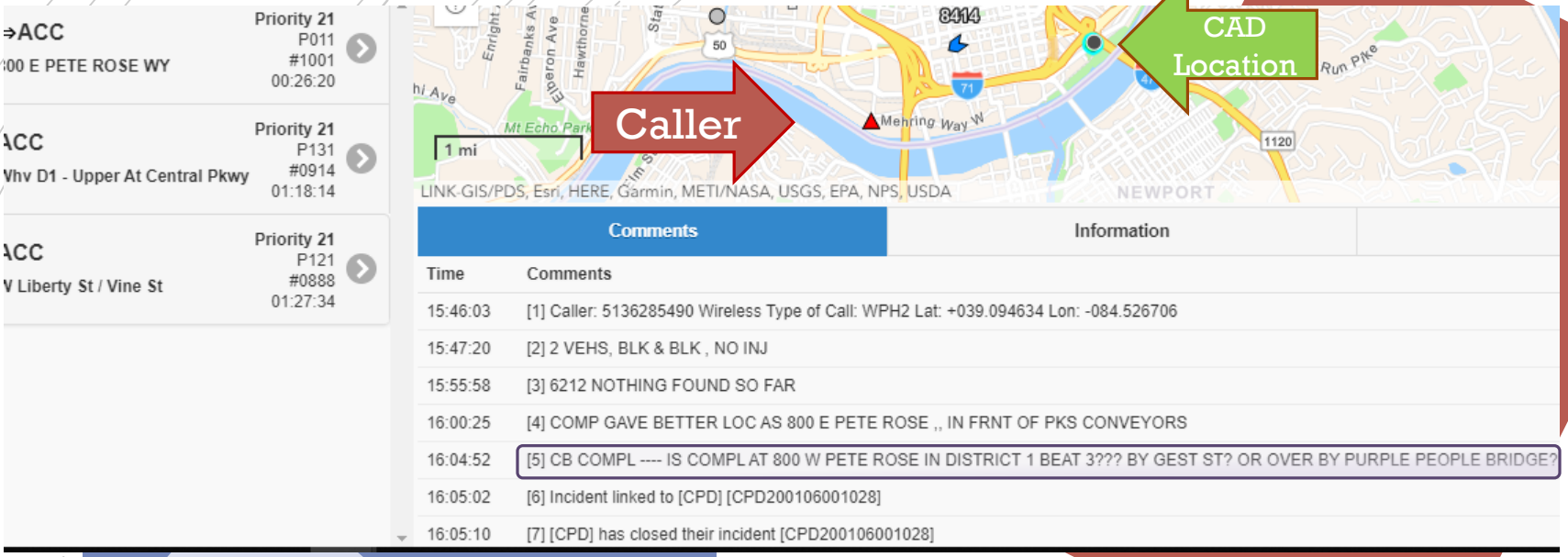
911EMER
229 Calhoun St
Priority 2
P511
CPD #0322
00:06:43

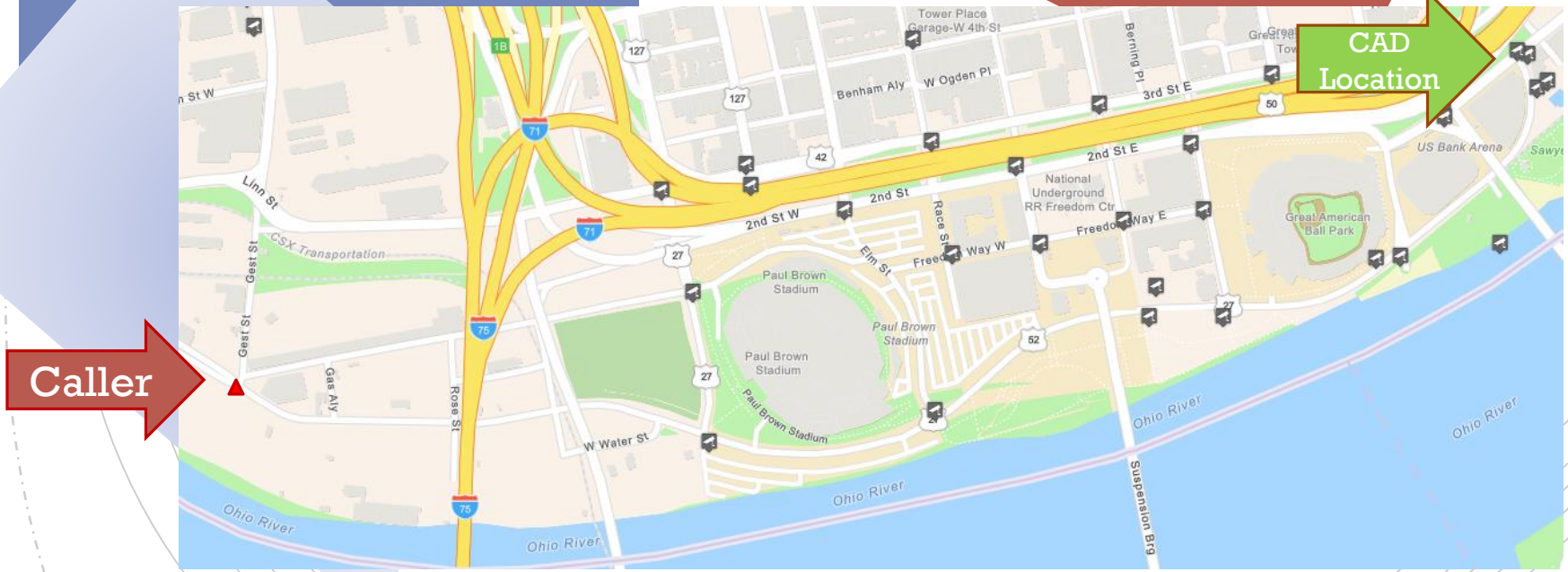
ROBB
3411 Mchenry Av
Priority 1
P331
CPD #0319

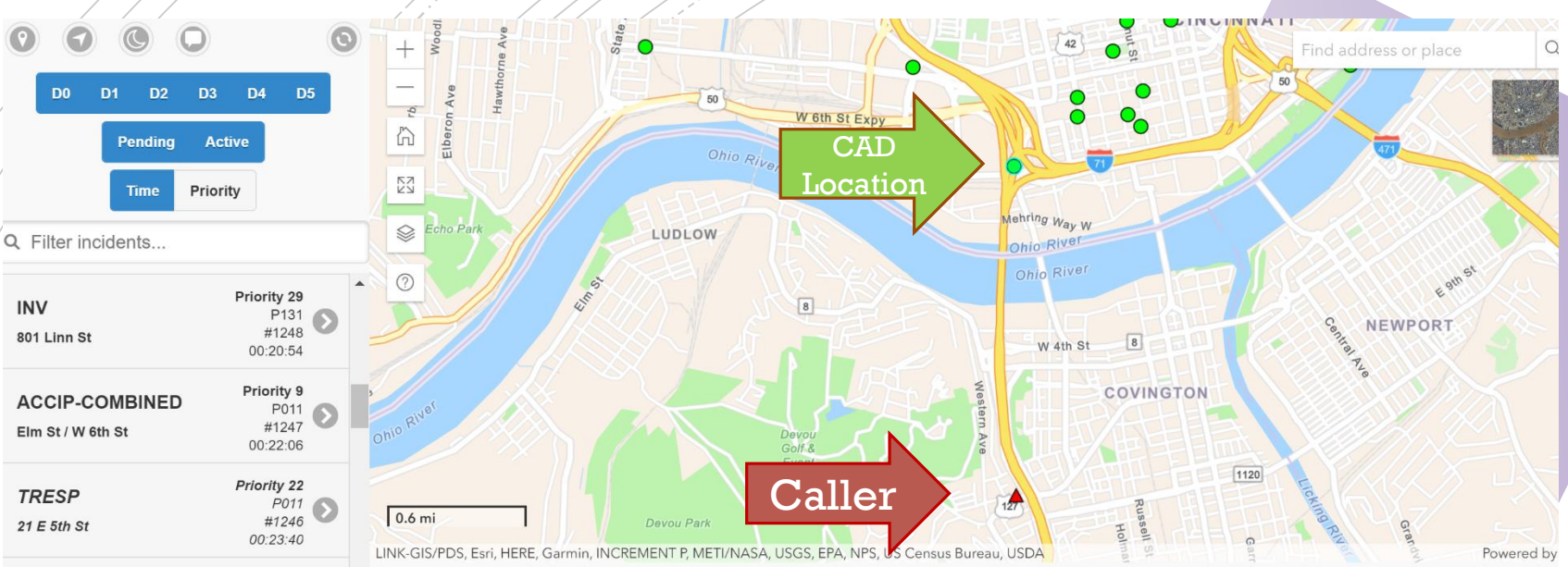


Comments | Information | Units

Time	Comments
08:40:53	[3] Caller: 5132039155 Wireless Type of Call: WPH2 Lat: +039.104595 Lon: -084.554289
08:41:23	[5] Caller: 5132039155 Wireless Type of Call: WPH2 Lat: +039.104595 Lon: -084.554289
08:42:26	[7] RPT OF ABAND VEH AT LOC FOR THE PAST 3 MONTHS,, <> VEH IS A BLK TOYO CAMERY..
08:42:33	[8] WILL C/B WITH PLATE INFO


⇒ACC
:00 E PETE ROSE WY
Priority 21
P011
#1001
00:26:20
ACC
Vhv D1 - Upper At Central Pkwy
Priority 21
P131
#0914
01:18:14
ACC
V Liberty St / Vine St
Priority 21
P121
#0888
01:27:34
8414
CAD Location
Caller
1 mi
Mehring Way W
LINK-GIS/PDS, Esri, HERE, Garmin, METI/NASA, USGS, EPA, NPS, USDA
NEWPORT
Comments
Information
Time
Comments
15:46:03
[1] Caller: 5136285490 Wireless Type of Call: WPH2 Lat: +039.094634 Lon: -084.526706
15:47:20
[2] 2 VEHS, BLK & BLK , NO INJ
15:55:58
[3] 6212 NOTHING FOUND SO FAR
16:00:25
[4] COMP GAVE BETTER LOC AS 800 E PETE ROSE ,, IN FRNT OF PKS CONVEYORS
16:04:52
[5] CB COMPL ---- IS COMPL AT 800 W PETE ROSE IN DISTRICT 1 BEAT 3??? BY GEST ST? OR OVER BY PURPLE PEOPLE BRIDGE?
16:05:02
[6] Incident linked to [CPD] [CPD200106001028]
16:05:10
[7] [CPD] has closed their incident [CPD200106001028]


CAD Location
Caller
Tower Place Garage-W 4th St
Benham Aly
W Ogden Pl
3rd St E
2nd St E
2nd St
2nd St W
Linn St
CSX Transportation
Gest St
Gas Aly
Rose St
Race St
Elm St
Freedom Way W
Freedom Way E
National Underground RR Freedom Ctr
Paul Brown Stadium
Great American Ball Park
US Bank Arena
W Water St
Ohio River
Suspension Brg



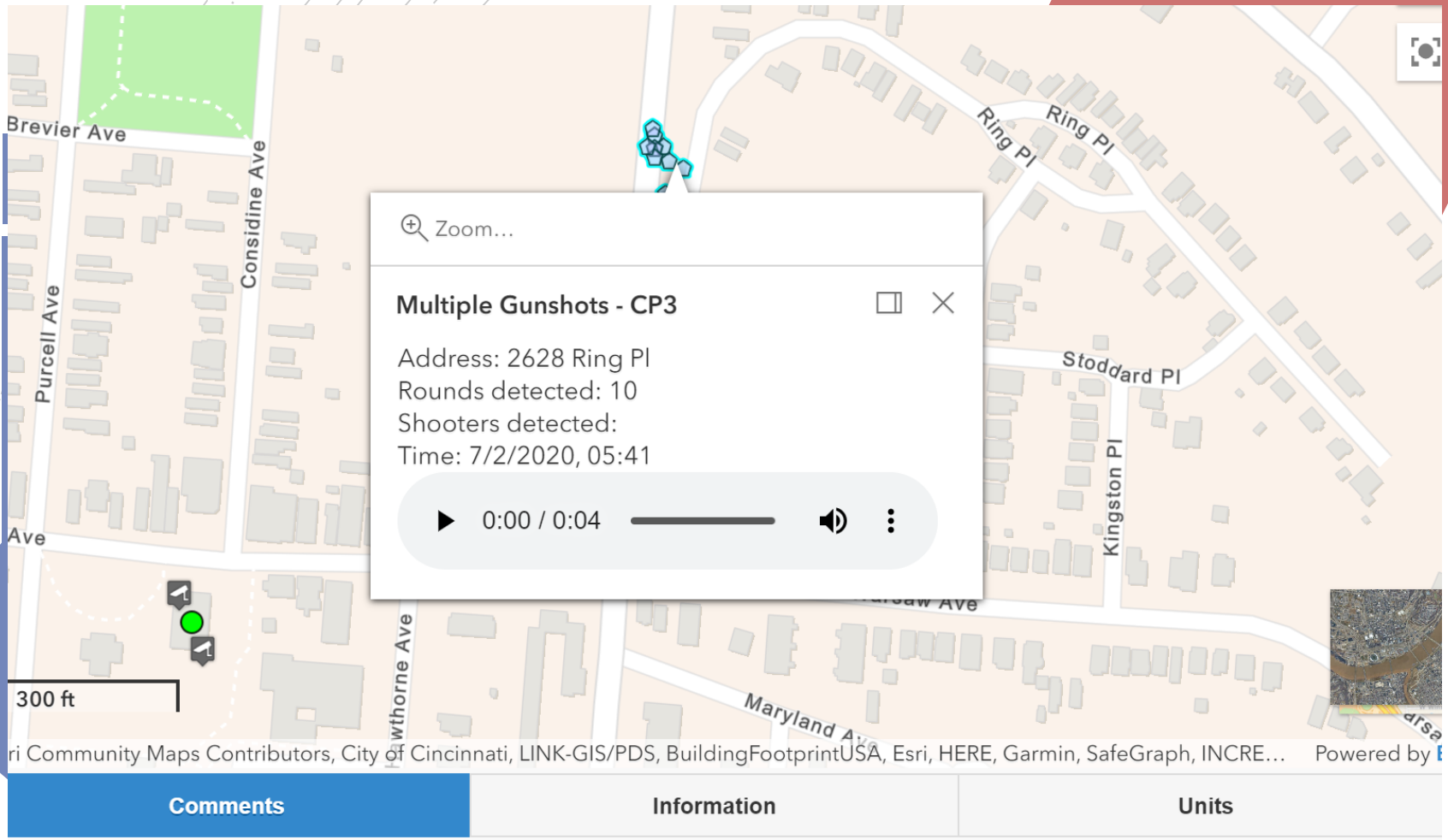
Time	Comments
19:16:04	[1] Caller: 9372666855 Wireless Type of Call: WPH2 Lat: +039.077376 Lon: -084.521416
19:17:14	[2] VEH INTO MEDIAN AT LOC -- NO INJS -- RED FORD RANGER
19:27:37	[3] PO 35 NEEDS BETTER LOC--SAW SAMAGED GUARD RAIL
19:30:57	[4] NO ANSWER ON CB
19:31:24	[5] Backed up 1235 with 1231
19:32:13	[6] COMP ADVD HE IS N I75 NEAR 5TH STREET EXIT
19:33:17	[7] [Notification] [CPD]- COMP ADVD HE CAN SEE THE RADDISON FROM HIS POSITION WASNT SURE IF HE WAS IN KY
19:33:29	[8] KY WAS ALSO ADVD OF ACC

LINK-GIS/PDS, Esri, HERE, Garmin, INCREMENT P, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA Powered by Esri

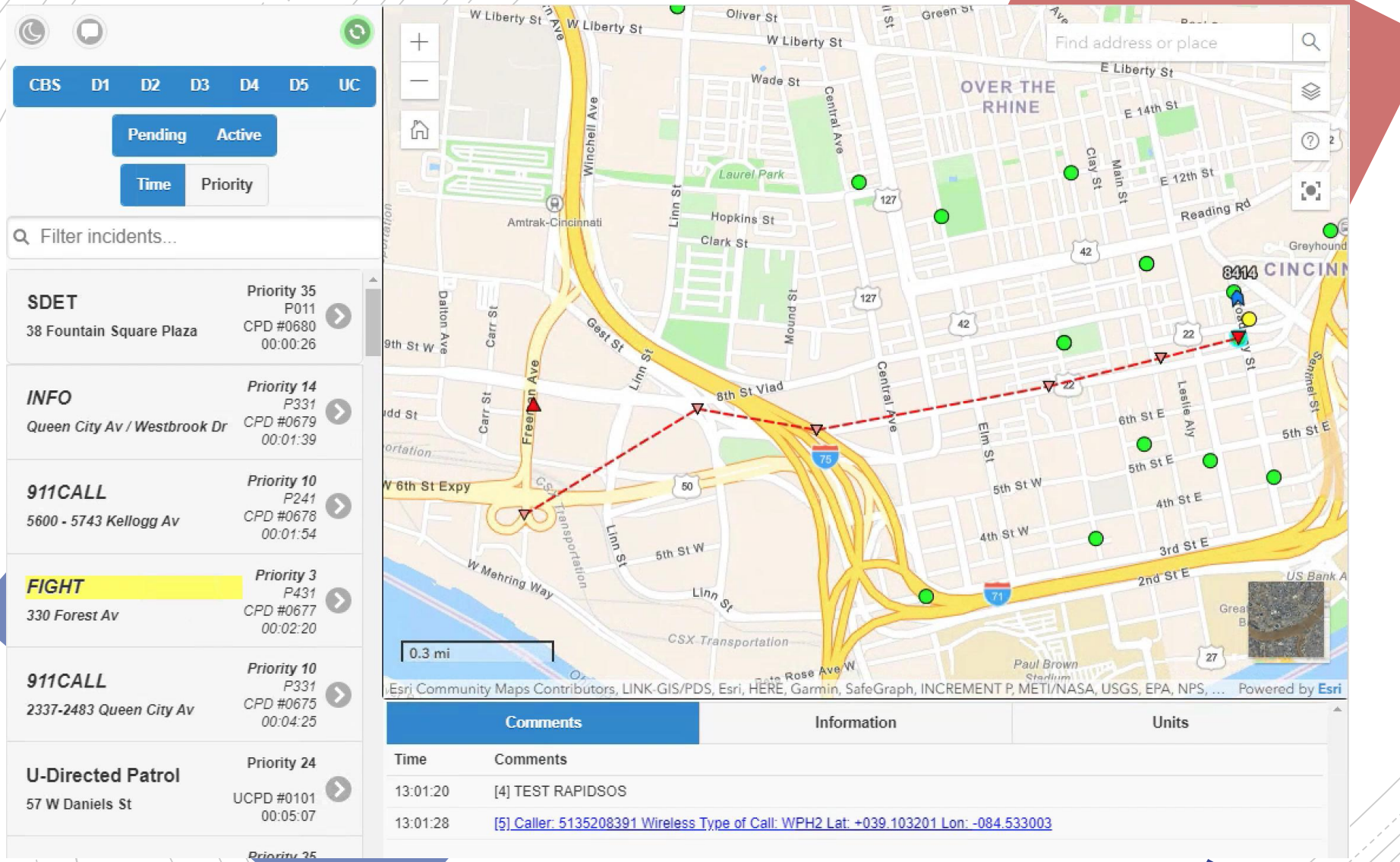
Comments		Information		Units	
Unit	Personnel	Assigned	Enroute	Arrived	Complete
8221	Grein, Paul E	19:19:20			19:19:26
1235	Goebel, John R	19:21:18		19:26:01	
1234	Norman, Shayna B	19:21:18		19:32:00	
1231	Sanders, Thomas T	19:31:23	19:31:23		

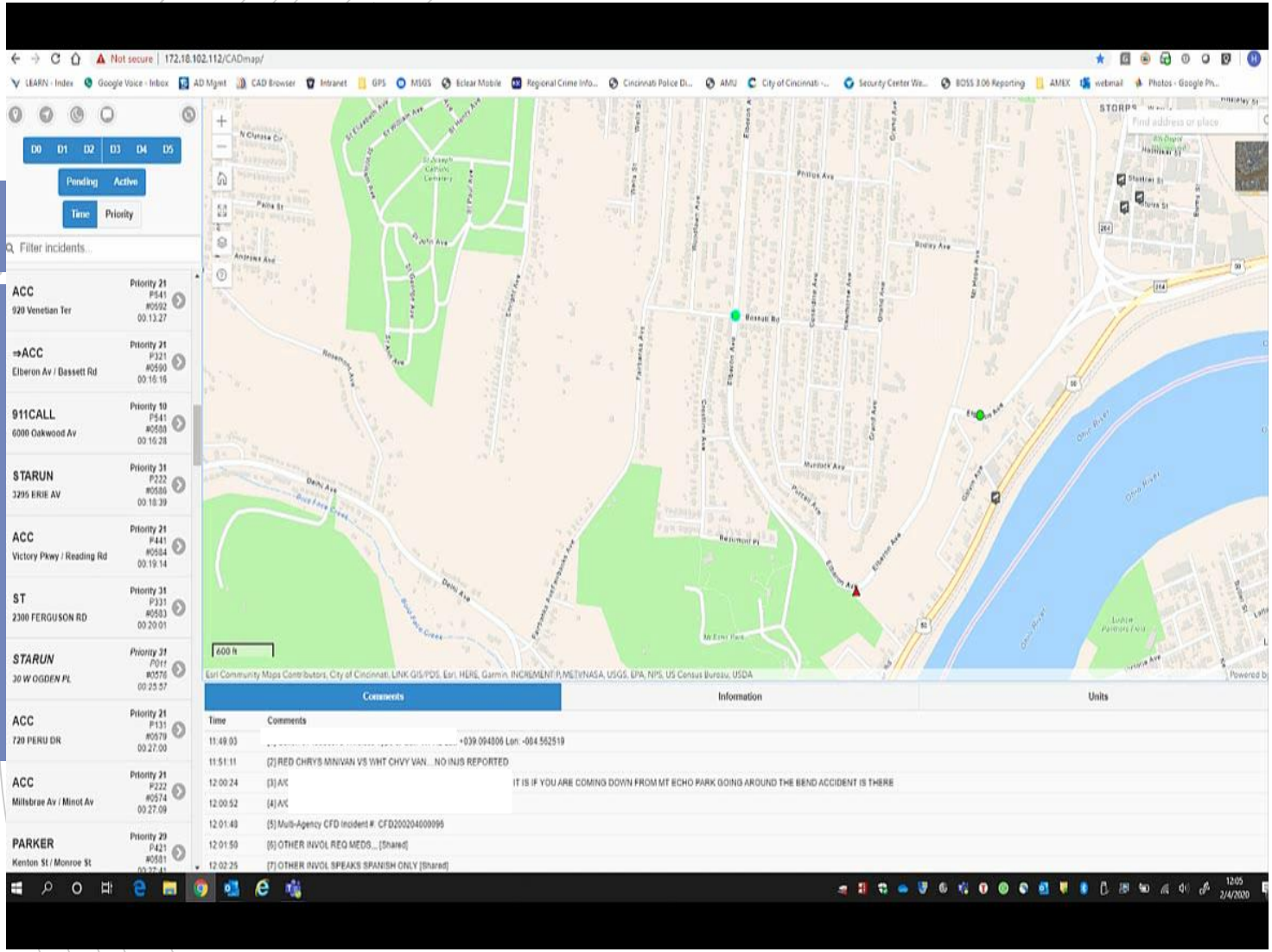
Show all

SHOT SPOTTER

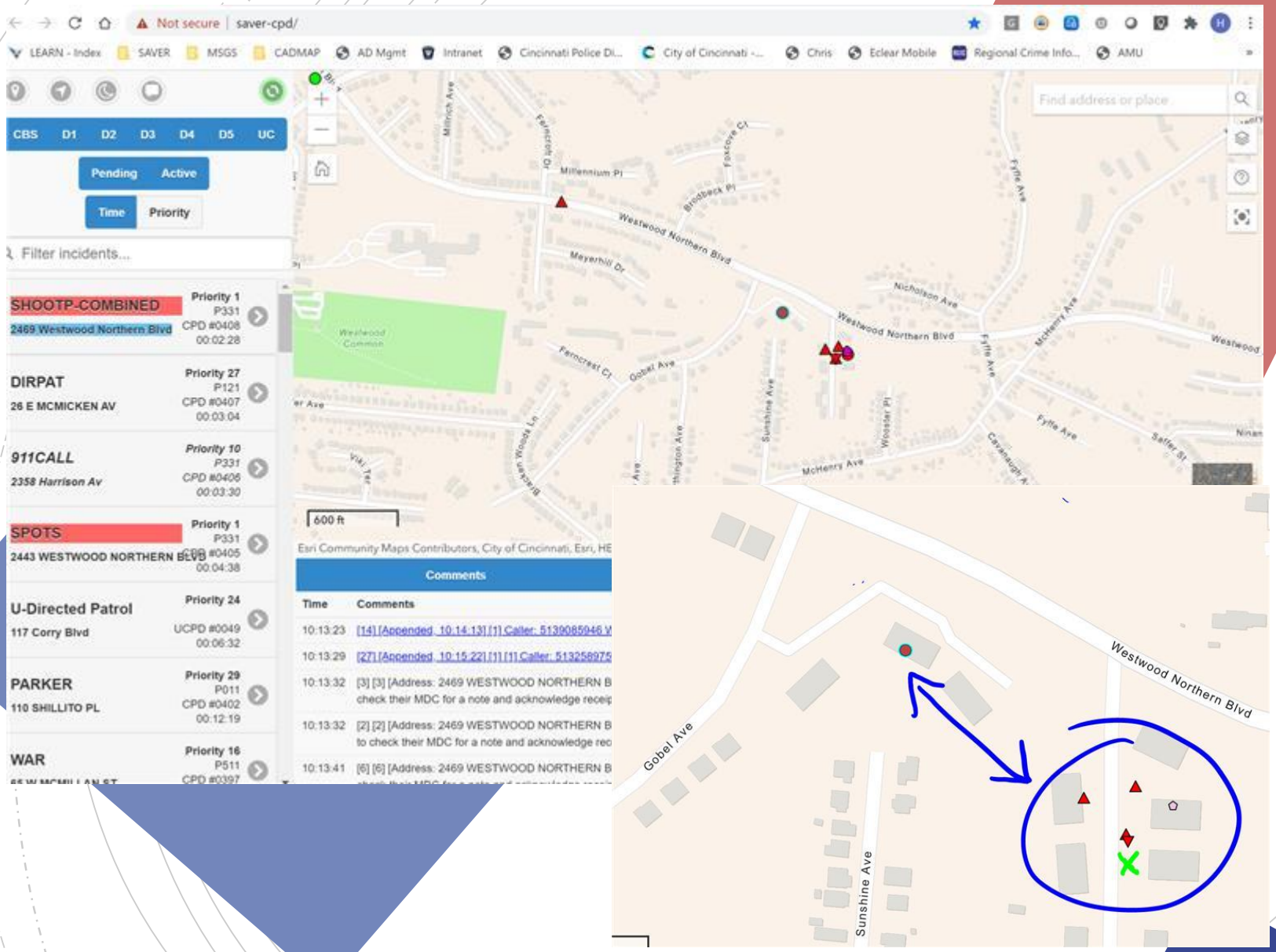


RAPID SOS

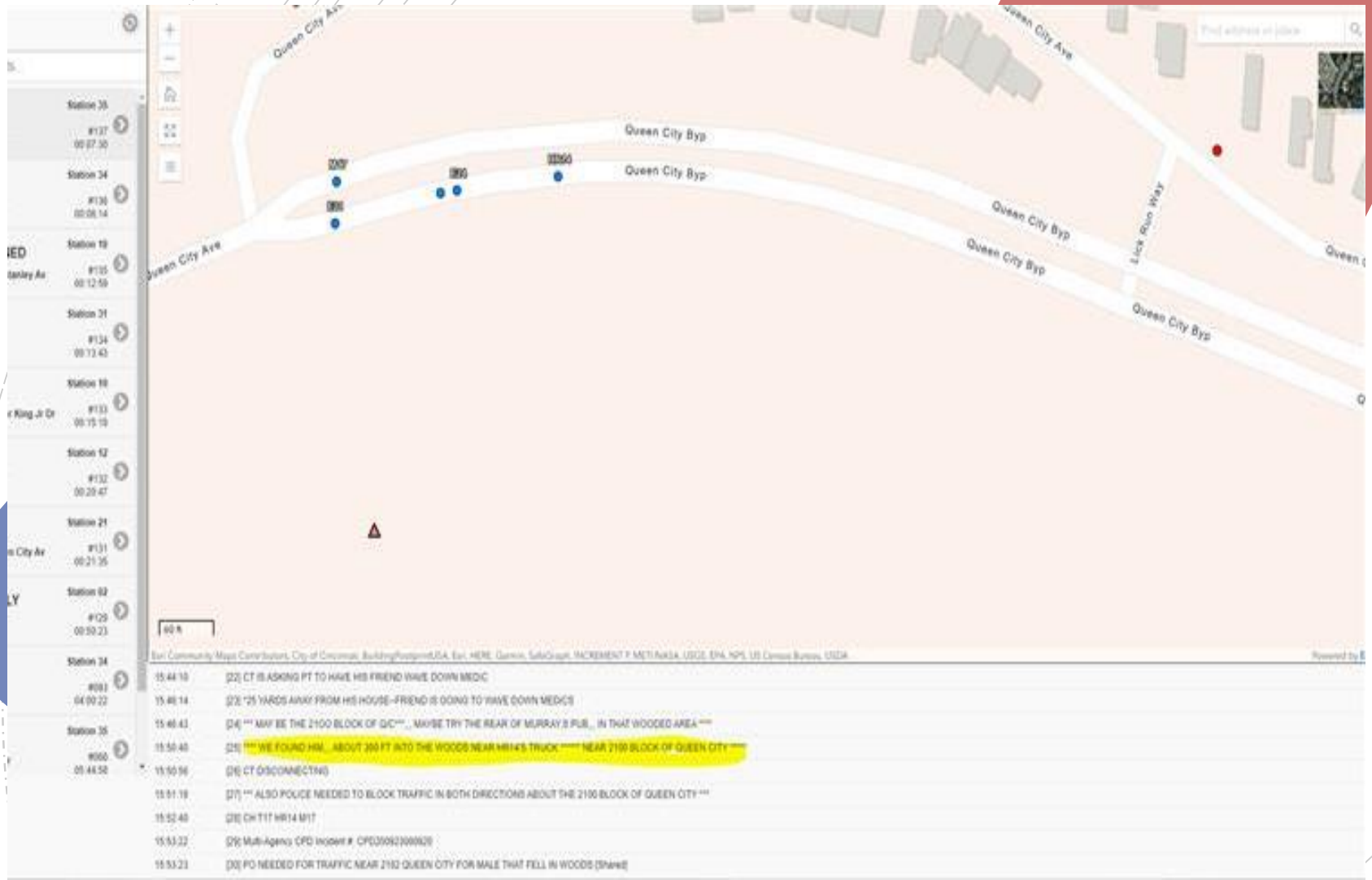

CBS
D1
D2
D3
D4
D5
UC
Pending
Active
Time
Priority
Filter incidents...
SDET
38 Fountain Square Plaza
Priority 35
P011
CPD #0680
00:00:26
INFO
Queen City Av / Westbrook Dr
Priority 14
P331
CPD #0679
00:01:39
911CALL
5600 - 5743 Kellogg Av
Priority 10
P241
CPD #0678
00:01:54
FIGHT
330 Forest Av
Priority 3
P431
CPD #0677
00:02:20
911CALL
2337-2483 Queen City Av
Priority 10
P331
CPD #0675
00:04:25
U-Directed Patrol
57 W Daniels St
Priority 24
UCPD #0101
00:05:07
Find address or place
OVER THE RHINE
Amtrak-Cincinnati
Greyhound
W Liberty St
E Liberty St
E 14th St
E 12th St
Reading Rd
Wade St
Central Ave
Winchell Ave
Linn St
Hopkins St
Clark St
Laurel Park
Mound St
Clay St
Main St
Dalton Ave
Carr St
Gest St
Freeman Ave
8th St Vlad
9th St W
W 6th St Expy
W Mehring Way
5th St W
4th St W
6th St E
5th St E
4th St E
3rd St E
2nd St E
Elm St
Leslie Aly
Sentinel St
CSX Transportation
Paul Brown Stadium
US Bank A
0.3 mi
Esri Community Maps Contributors, LINK-GIS/PDS, Esri, HERE, Garmin, SafeGraph, INCREMENT P, METI/NASA, USGS, EPA, NPS, ...
Powered by Esri
Comments
Information
Units
Time
Comments
13:01:20
[4] TEST RAPIDSOS
13:01:28
[5] Caller: 5135208391 Wireless Type of Call: WPH2 Lat: +039.103201 Lon: -084.533003


Not secure | 172.18.102.112/CADmap/
D0 D1 D2 D3 D4 D5
Pending Active
Time Priority
Filter incidents...
ACC
920 Venetian Ter
Priority 21
P541
#0592
00:13:27
⇒ACC
Elberon Av / Bassett Rd
Priority 21
P321
#0590
00:16:16
911CALL
6000 Oakwood Av
Priority 10
P541
#0588
00:16:28
STARUN
3295 ERIE AV
Priority 31
P222
#0586
00:18:39
ACC
Victory Pkwy / Reading Rd
Priority 21
P441
#0584
00:19:14
ST
2300 FERGUSON RD
Priority 31
P331
#0583
00:20:01
STARUN
30 W OGDEN PL
Priority 31
P011
#0576
00:25:57
ACC
720 PERU DR
Priority 21
P131
#0579
00:27:00
ACC
Millsbrae Av / Minot Av
Priority 21
P222
#0574
00:27:09
PARKER
Kenton St / Monroe St
Priority 20
P421
#0581
Bassett Rd
Elberon Ave
Ohio River
600 ft
Esri Community Maps Contributors, City of Cincinnati, LINK GIS/PDS, Esri, HERE, Garmin, INCREMENT P, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA
Comments
Information
Units
Time
Comments
11:49:03
11:51:11 (2) RED CHRYS MINIVAN VS WHT CHVY VAN...NO INJS REPORTED
12:00:24 (3) AX
12:00:52 (4) AX
12:01:48 (5) Multi-Agency CFD Incident #: CFD20020400096
12:01:50 (6) OTHER INVOL REQ MEDS... [Shared]
12:02:25 (7) OTHER INVOL SPEAKS SPANISH ONLY [Shared]
12:05
2/4/2020

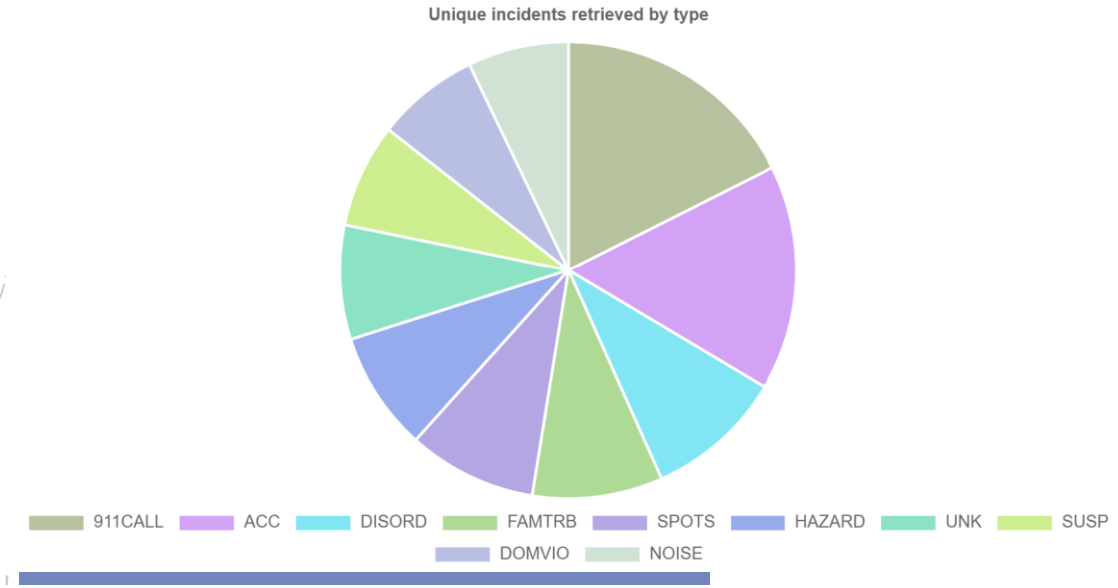
Success Story

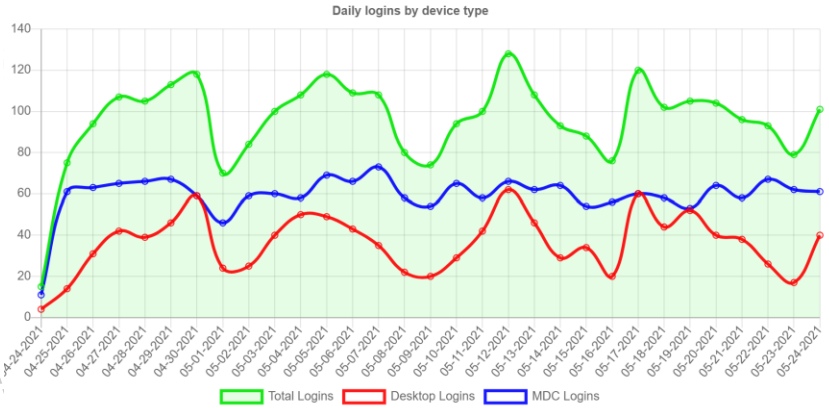


Success Story



Usage Statistics





Nov 26 2019 – May 29 2020 (Pilot)

May 30th 2020 – Present (SAVER)

- Accessed by over 480 users in the Police Department
- Over 20,400 logins to the system across multiple units
- Approximately 126,000 incidents viewed
- 911CALL and ACC (accident) being the top two incident types viewed.

SAVER

Benefits

UNDER 3K IN DEVELOPMENT COSTS

INCORPORATING NEW FEATURES REGULARLY

IN THE FIELD
IN THE OFFICE
IN THE AIR

FAST AGILE DEVELOPMENT

SAVER REPLICATES INFORMATION PRESENTED TO ECC/DISPATCH

EASY TO USE AND SEE INFORMATION QUICKLY

Teamwork

Bill Vedra **Charlie Young** **Craig Beringhaus**

Jim Olthaus **Brent Angevine** **Kristen Cosgrove**

Jayson Dunn **Jeff McCord** **Peggy O'Neil**

Eryn Ivink **Sgt Brent Adams** **Mani Natarajan**

Sarah Phipps

city of CINCINNATI
Enterprise
Technology Solutions

Thanks & Questions