

Arlington County Board Presentation Safety and Innovation Zone

June 15th, 2021

Holly Hartell, Department of Technology Services

Agenda Item #24

County Manager Recommendation:

Authorize the County Manager to sign the Memorandum of Understanding (MOU) with US Ignite in support of their collaboration with the County on the Safety and Innovation Zone demonstration project.

Demonstration Project Public Benefits

Crowd Safety

- Improved pedestrian flow and safety
- Improved awareness of erratic or unanticipated behaviors

Public Health

- Improved detection and medical response times for residents needing assistance

Public Safety

- Improved detection of environmental shifts
- Improved quality of fire response times

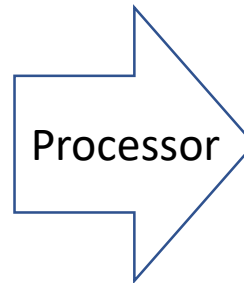
Project Summary



- Overview
 - 12-month pilot on the 2900 block of Clarendon with a phased approach
 - 10 lights on 7 light fixtures will be replaced for the period of the pilot
 - Algorithms will be applied to the sensor data to support defined use cases
- Outcomes
 - Understanding of how sensor technology impacts public safety response
 - Validated County data privacy principles and approach (privacy panel, data management panel)
 - Educate County staff on sensor technology, data privacy and data management risks and risk mitigation strategies
 - Defined communications approach for future similar efforts
 - Track identified project metrics

How does the sensor work?

What the sensor lens sees:

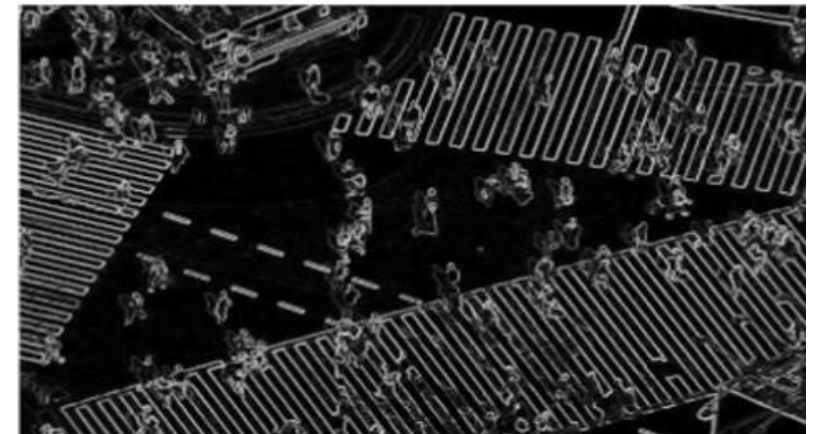


What the processor captures:

```
"node_id": "00:04:4b:e5:b3:d7",  
"msg_version": "1.0",  
"timestamp": "12-04-2021 18:11:",  
"frame_id": 91991,  
"analytics_process_id": "jedge_...",  
"capturing_process_id": "jedge_...",  
"application_id": "person_detec...",  
"object": {  
  "id": "32",  
  "type": "person",  
}
```

Output #1

Output #2



Sketch image captured only during the sensor calibration and eliminated after complete.⁵

Public Outreach

- The County has made an extensive outreach:
 - Commissions (IT Advisory Commission and Emergency Preparedness Advisory Commission)
 - Civic Associations (Clarendon Courthouse and Lyon Village)
 - Clarendon Alliance
 - CivFed
 - Safety and Innovation Zone Data Privacy Panel
- Communication highlights included:
 - Interest in more communication
 - Sensor and equipment details
 - Concern about “cameras” and the data being captured
 - Concern about the privacy and security
 - Understanding benefits and next steps

Project Implementation Plan



- **Immediate:** Send notice letter of the innovation zone to community groups and businesses
- **June 19th:** Light installation
- **June 19th – June 30th:** Testing period to calibrate the lights, sensors, and algorithm
- **July 1st – September 30th:** Internal and Safety and Innovation Zone Data Privacy Panel data review
- **October, 2021:** Data made available on the open data portal
- **June, 2022:** Assessment report

County Manager Recommendation

Agenda Item #24:

Authorize the County Manager to sign the Memorandum of Understanding (MOU) with US Ignite.