



Addendum to ALPR Impact Report 7/11/2022

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ADDENDUM

Introduction

As required by RCGO 34.11, an Impact report was released to the public to allow for public dialogue leading up to a public hearing over potential implementation of new surveillance technology. For the ALPR Impact Report, the City of Dayton received several inquiries about the Impact on Crime section. There were several requests for clarification. This addendum's intent is to clarify any confusion around this section of the report.

Impact on Crime

In 2020, a pilot program consisting of 29 fixed ALPRs in the Twin Towers neighborhood was done, and the Department was pleased with the results. During the program, there was a significant crime reduction in the Twin Towers neighborhood (-18%). While there was a drop in crime citywide over the same time period (-3%), the reduction in the Twin Towers was significantly larger. A comparison of Walnut Hills to Twin Towers was helpful because of the similarity with historical crime trends and demographics within the two neighborhoods. The reduction in Twin Towers was considerably better than that of the neighboring Walnut Hills neighborhood which experienced a 7% increase in overall crime. If the Police Department implements a full time ALPR program, the fixed cameras would be deployed as part of a Neighborhood Safety Plan, when the community requests the ALPRs, and the crime statistics justify the use of the ALPRs. The below chart shows the results of the fixed ALPR program in use during the test period compared to the previous year.

3/1 - 7/20 (Trial Period)			
Twin Towers – ALPR TRIAL Highlighted			
subgroup	2019 3/1 to 7/20	2020 3/1 to 7/20	% Change
1. Part 1 (Violent)	8	9	13%
2. Part 1 (Property)	48	35	-27%
3. Part 2 (Violent)	46	41	-11%
4. Part 2 (Property)	28	21	-25%
Total	130	106	-18%
Walnut Hills – NO ALPR Trial			
subgroup	2019	2020	% Change
1. Part 1 (Violent)	10	13	30%
2. Part 1 (Property)	82	76	-7%
3. Part 2 (Violent)	37	45	22%
4. Part 2 (Property)	23	29	26%
Total	152	163	7%
Citywide			
subgroup	2019	2020	% Change
1. Part 1 (Violent)	474	516	9%
2. Part 1 (Property)	2411	2209	-8%
3. Part 2 (Violent)	1749	1696	-3%
4. Part 2 (Property)	977	1016	4%
Total	5611	5437	-3%

Full Year			
Twin Towers			
subgroup	2019	2020	% Change
1. Part 1 (Violent)	25	28	12%
2. Part 1 (Property)	119	98	-18%
3. Part 2 (Violent)	108	97	-10%
4. Part 2 (Property)	61	46	-25%
Total	313	269	-14%
Walnut Hills			
subgroup	2019	2020	% Change
1. Part 1 (Violent)	19	24	26%
2. Part 1 (Property)	183	221	21%
3. Part 2 (Violent)	89	98	10%
4. Part 2 (Property)	55	88	60%
Total	346	431	25%
Citywide			
subgroup	2019	2020	% Change
1. Part 1 (Violent)	1227	1188	-3%
2. Part 1 (Property)	5956	5740	-4%
3. Part 2 (Violent)	4179	4093	-2%
4. Part 2 (Property)	2409	2421	0%
Total	13771	13442	-2%