

# Mesa Police Department Peregrine Pilot



# What is Peregrine

- Software which creates “Google” like searches against multiple systems such as Records Management Systems (RMS) and Computer Aided Dispatch (CAD) systems.
- Allows officers, detectives and crime analysts to more easily search existing records
- Improves our ability to visualize and map our existing data
- Automates current manual crime analysis reports and maps
- Provides desktop and mobile access
- Used by over 250 public safety agencies



# Mobile Application

Access information on the go

The image shows a smartphone screen with a mobile application interface. The status bar at the top displays the time 4:28, signal strength, and 5G connectivity. The app interface includes a search bar with the placeholder text "Search for addresses, data...". Below the search bar, there are filters for "Search names, addresses...", "DATE RANGE" (set to "Past 8 hours"), and "LOCATION" (with options for "Area" and "Address"). A "Bounding box" filter is also visible. The "DATA TYPES" section lists various categories: Person, Vehicle, ALPR, Case, CAD, Offense, Arrest, Document, Attachment, Evidence, Citation, Crash, ShotSpotter, Property, Gun, Drugs, Booking (Historical), and Warrant. A "Search" button is located at the bottom of the list. The bottom navigation bar contains icons for "Layers", "Search", "Draw", "Summary", and "Library".

>> [Save search...](#)

Filters [Clear all](#) 2,758 Persons Person Info < Done ID Connections Full Name Date of Birth DL State Expiration Date Drivers

Attributes [Find...](#)

Full Name	Date of Birth	DL State	Expiration Date	Drivers
MARSHALL, HAKEEM	1993-01-08	CA	No value	W945
SCHROEDER, HALL	1994-08-02	CA	No value	R8394
SALINAS, ALEXA	1998-02-12	CA	No value	F1577
SAUNDERS, VINCENT	1987-10-22	CA	No value	L4850
WEST, TASHYA	1993-08-12	CA	No value	O3944
JORDAN, DEREK	1977-03-09	CA	No value	C4165
PATRICK, KASIMIR	1970-08-04	CA	No value	E642
DYER, MADISON	2002-08-20	CA	No value	V8657
MURPHY, ANN	1973-02-15	CA	No value	Z4440
GONZALEZ, HECTOR	1987-07-15	CA	No value	N1442
ROLLINS, CLARK	1994-06-27	CA	No value	H7237
KELLEY, VINCENT	2008-08-04	CA	No value	R2760
FIGUEROA, KYLEE	1990-01-11	CA	No value	S2518
KIRKLAND, THOMAS	1986-09-05	CA	No value	L9537
GOLDEN, TEAGAN	1977-01-12	No value	No value	E7253
BUTTE BEANPAIN	NO VALUE	CA	No value	WHITNEY BEAN

Timeline Heat grid

The screenshot displays a web application interface for analyzing patrol deployment data. The main component is a map of Atlanta, Georgia, showing heatmaps of crime activity. The map includes labels for various locations such as Peachtree Center, Georgia State University, APEX Museum, Five Points, and the Georgia State Capitol. A sidebar on the left contains controls for 'Layers', 'Search', and 'Patrol Deployment Model'. On the right, a panel titled 'Find attributes, values...' lists several attributes with their corresponding values and progress bars: 'Zone' (5: 644, 3: 175, 6: 114), 'Officer Name' (Ryan Erickson: 27, Tom Read: 24, Megan Kent: 24), 'Beat' (510: 170, 509: 85, 511: 68), and 'Call Source' (PHONE: 541). At the bottom, a table shows the distribution of data across different time intervals (00:00 to 18:00) for four days (Mon, Tue, Wed, Thu).

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00
Mon	1	1		5	1	7	11	13	6	9	5	2	4	8	6	6	5	7	7
Tue	3	3		2	3	12	5	3	9	15	16	18	17	13	17	6	7	7	8
Wed	4	2		1	2	13	8	5	5	9	5	8	10	5	6	13	6	5	5
Thu	4	2	4	6	3	12	6	6	10	7	7	12	11	20	6	6	8	6	6

Date range

Incident Priority

### Incidents by Beat & Time of Day

Call Date & Time (Hour of day)	Beat 1	Beat 2	Beat 3	Beat 4
00	150	162	155	157
01	142	149	135	135
02	123	142	119	119
03	119	119	119	119
04	119	119	119	119
05	119	119	119	119
06	119	119	119	119
07	119	119	119	119
08	214	195	233	233
09	252	277	242	253
10	298	225	210	225
11	267	238	239	210
12	316	267	312	232
13	345	286	314	187
14	357	322	301	221
15	425	322	262	214
16	281	252	237	233
17	258	264	277	234
18	243	240	220	929
19	209	241	202	198
20	233	216	193	836
21	209	216	185	804
22	221	204	203	837
23	205	159	169	695

00:03:14.8

Avg Response

Time - Beat 1

00:05:05.3

Avg Response

Time - Beat 2

00:04:49.5

Avg Response

Time - Beat 3

00:04:21.6

Avg Response

Time - Beat 4

# Pilot Program

- Senate Bill 1735 Provided funding to the City of Mesa and other East Valley agencies for one year for Peregrine implementation
  - \$215,800 allocated to the City of Mesa
- Agreement with Peregrine has no obligation to continue past the pilot period
- Continuation past the pilot period depends on success of the pilot and future funding availability
- Pilot funds RMS and CAD integration only



# Regional Data Sharing

- East Valley agencies including Mesa, Tempe, Scottsdale, Chandler, Queen Creek, Apache Junction and ASU are working to enhance regional data sharing capabilities through Peregrine
- Improve investigative ability by searching against multiple agencies from a single interface
- Replaces older information sharing tools



# Future Possibilities

- Additional data sources can be added to Peregrine
  - Simply public records request searches
  - Find correlations between disparate data sources such as crime and staffing
  - Can be used for other types of City data to look for correlations and efficiencies





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