

REMIT PAYMENT TO: 

**CDW Government**  
75 Remittance Drive, Suite 1515  
Chicago, IL 60675-1515

RETURN SERVICE REQUESTED

**INVOICE**

ACH INFORMATION:  
THE NORTHERN TRUST  
60 SOUTH LASALLE STREET  
CHICAGO, IL 60675

E-mail Remittance To: gachremittance@cdw.com

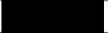
ROUTING NO.: 071000152  
ACCOUNT NAME: CDW GOVERNMENT  
ACCOUNT NO.: 91057

INVOICE NUMBER	INVOICE DATE	CUSTOMER NUMBER
HKH5190	03/31/17	
SUBTOTAL	SHIPPING	SALES TAX
\$14,840.00	\$0.00	\$0.00
DUE DATE		AMOUNT DUE
05/30/17		\$14,840.00

CITY OF CHICAGO- DOIT  
DEPARTMENT OF FINANCE  
333 S STATE ST LOWR LL30  
CHICAGO IL 60604-3947  
USA

CDW Government  
75 Remittance Drive  
Suite 1515  
Chicago, IL 60675-1515

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INVOICE DATE	INVOICE NUMBER	PAYMENT TERMS				DUE DATE
03/31/17	HKH5190	Net 60 Days				05/30/17
ORDER DATE	SHIP VIA	PURCHASE ORDER NUMBER				CUSTOMER NUMBER
02/24/17	ELECTRONIC DISTRIBUTION	54208:0:21				
ITEM NUMBER	DESCRIPTION	QTY ORD	QTY SHIP	QTY B/O	UNIT PRICE	TOTAL
4037280	AZAVEA DISTRICTBUILDER ONPREM LIC Manufacturer Part Number: COCAZAVEA HunchLab Pilot (4 New Districts for 90 Days) Electronic distribution - NO MEDIA  057-1005 DISTRICT POLICE HEADQUARTER S QUOTE HSFP078 QU: HSFP078	1	1	0	14,840.00	14,840.00

**GO GREEN!**

CDW is happy to announce that paperless billing is now available! If you would like to start receiving your invoices as an emailed PDF, please email CDW at [paperlessbilling@cdw.com](mailto:paperlessbilling@cdw.com). Please include your Customer number or an Invoice number in your email for faster processing.

**REDUCE PROCESSING COSTS AND ELIMINATE THE HASSLE OF PAPER CHECKS!**

Begin transmitting your payments electronically via ACH using CDW's bank and remittance information located at the top of the attached payment coupon. Email [credit@cdw.com](mailto:credit@cdw.com) with any questions.

ACCOUNT MANAGER	SHIPPING ADDRESS:	SUBTOTAL	\$14,840.00
	CITY OF CHICAGO- DOIT HODGES, DANIEL J 3510 S. MICHIGAN AVE. CHICAGO IL 60653	SHIPPING	\$0.00
SALES ORDER NUMBER		SALES TAX	\$0.00
KM38325		AMOUNT DUE	\$14,840.00



Cage Code Number 1KH72  
DUNS Number 02-615-7235

ISO 9001 and ISO 14001 Certified  
CDW GOVERNMENT FEIN 36-4230110

**HAVE QUESTIONS ABOUT YOUR ACCOUNT?**  
PLEASE EMAIL US AT [credit@cdw.com](mailto:credit@cdw.com)  
VISIT US ON THE INTERNET AT [www.cdwg.com](http://www.cdwg.com)

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75 Remittance Drive, Suite 1515  
Chicago, IL 60675-1515

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# INVOICE



ACH INFORMATION:  
THE NORTHERN TRUST  
50 SOUTH LASALLE STREET  
CHICAGO, IL 60675

E-mail Remittance To: gachremittance@cdw.com  
ROUTING NO.: 071000152  
ACCOUNT NAME: CDW GOVERNMENT  
ACCOUNT NO.: 91067

INVOICE NUMBER	INVOICE DATE	CUSTOMER NUMBER
FZX4163	11/17/16	
SUBTOTAL	SHIPPING	SALES TAX
\$11,200.00	\$0.00	\$0.00
DUE DATE		AMOUNT DUE
01/16/17		\$11,200.00

CITY OF CHICAGO- DOIT  
DEPARTMENT OF FINANCE  
333 S STATE ST LOWR LL30  
CHICAGO IL 60604-3947  
USA

CDW Government  
75 Remittance Drive  
Suite 1515  
Chicago, IL 60675-1515

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INVOICE DATE	INVOICE NUMBER	PAYMENT TERMS				DUE DATE
11/17/16	FZX4163	Net 60 Days				01/16/17
ORDER DATE	SHIP VIA	PURCHASE ORDER NUMBER				CUSTOMER NUMBER
11/08/16	ELECTRONIC DISTRIBUTION	49311:0:21				
ITEM NUMBER	DESCRIPTION	QTY ORD	QTY SHIP	QTY B/O	UNIT PRICE	TOTAL
4037280	AZAVEA DISTRICTBUILDER ONPREM LIC Manufacturer Part Number: COCAZAVEA Electronic distribution - NO MEDIA  057-2005 DISTRICT POLICE HEADQUARTER S QU HLVX470	1	1	0	11,200.00	11,200.00

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ACCOUNT MANAGER	SHIPPING ADDRESS:	SUBTOTAL	
	CITY OF CHICAGO- DOIT HODGES, DANIEL J 3510 S. MICHIGAN AVE. CHICAGO IL 60653	\$11,200.00	
SALES ORDER NUMBER		SHIPPING	\$0.00
JP05189		SALES TAX	\$0.00
		AMOUNT DUE	\$11,200.00



Cage Code Number 1KH72  
DUNS Number 02-615-7236

ISO 9001 and ISO 14001 Certified  
CDW GOVERNMENT FEIN 36-4230110

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VISIT US ON THE INTERNET AT [www.cdwg.com](http://www.cdwg.com)

# QUOTE CONFIRMATION



DEAR STEVE MARIS,

Thank you for considering CDW•G for your computing needs. The details of your quote are below. [Click here](#) to convert your quote to an order.

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
JLZW112	12/26/2017	AZAVEA		\$24,504.00

## QUOTE DETAILS

ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
<b>AZAVEA DISTRICTBUILDER ONPREM LIC</b> Mfg. Part#: COCAZAVEA AZAVEA DISTRICTBUILDER ONPREM LIC HunchLab Crime Forecasting Software Pilot Extension6 districts Start date:8/15/2017,-End date:12/31/2017 Discount included - \$9300.00 Electronic distribution - NO MEDIA Contract: City of Chicago Hardware Software Contract (29659-105081)	1	4037280	\$24,504.00	\$24,504.00

<b>PURCHASER BILLING INFO</b>	<b>SUBTOTAL</b>	\$24,504.00
<b>Billing Address:</b> CITY OF CHICAGO-"DOIT" DEPARTMENT OF FINANCE 333 S STATE ST LOWR LL30 CHICAGO, IL 60604-3947 <b>Phone:</b> (312) 744-4900 <b>Payment Terms:</b> Net 60 Days	<b>SHIPPING</b>	\$0.00
	<b>GRAND TOTAL</b>	<b>\$24,504.00</b>
<b>DELIVER TO</b>	<b>Please remit payments to:</b>	
<b>Shipping Address:</b> CITY OF CHICAGO POLICE 3510 S MICHIGAN AVE 3RD FL CHICAGO, IL 60653 <b>Shipping Method:</b> ELECTRONIC DISTRIBUTION	CDW Government 75 Remittance Drive Suite 1515 Chicago, IL 60675-1515	

## Need Assistance? CDW•G SALES CONTACT INFORMATION



CDWG Account Team - Jen and Meagan

(866) 339-7925

This quote is subject to CDW's Terms and Conditions of Sales and Service Projects at <http://www.cdwg.com/content/terms-conditions/product-sales.aspx>  
For more information, contact a CDW account manager

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Details Report for Flex ID: [REDACTED] CAD ID: [REDACTED]



Address: 15[REDACTED] S Kedvale Ave

District & Beat: 1012

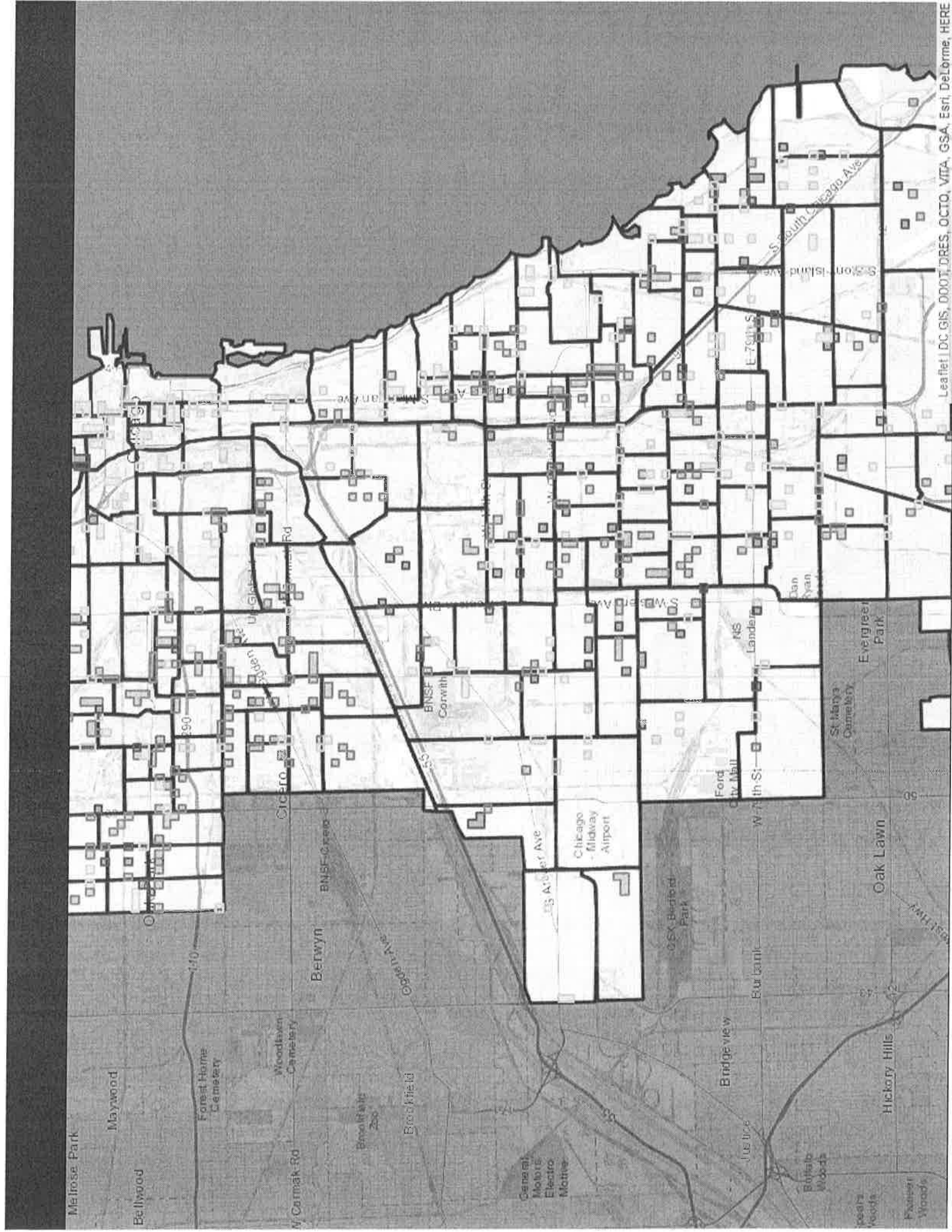
Latitude, Longitude [REDACTED]

Date & Time: 01/13/2018 19:11:30

2 ROUNDS

**Notes**

<u>Created By</u>	<u>Date &amp; Time</u>	<u>Note</u>
[REDACTED]	01/13 19:12	Reclassified : Possible Gunfire
[REDACTED]	01/13 19:12	Published
[REDACTED]	01/13 19:12	Acknowledged at customer facility
[REDACTED]	01/13 19:13	Closed at customer facility



## NON-DISCLOSURE OF CRIMINAL JUSTICE INFORMATION AGREEMENT

between

### THE CHICAGO POLICE DEPARTMENT

and

**Azavea**

(hereinafter called the Requestor)

The Requestor agrees to the following conditions in order to obtain from the Chicago Police Department (hereinafter called the CPD) the collection of data for the purpose of demonstrating the functionality and accuracy of the HunchLab product

1. Requestor agrees that any disclosure of the following information supplied by the CPD to the Requestor shall be subject to the conditions of this Agreement:
  - A. GIS shape files available from the Department's Information Services Division. Specific shape files will be provided as mutually agreed and updated on a regular basis.
2. Unless conclusively demonstrated in the Requestors application that access to information containing individual names or specific addresses is indispensable to the purpose of the Requestor, and approved by the CPD, access to the identities of the individuals or addresses shall be prohibited. For this request such access has been:

APPROVED   X  

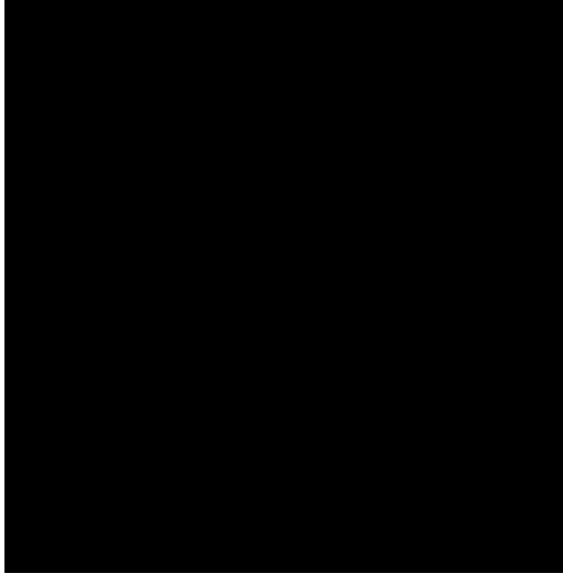
DISAPPROVED           

3. The Requestor will collect, receive, store and use all information covered by the terms of this Agreement in strict compliance with federal laws, state laws and regulations which are in force and applicable during the period in which the Requestor has access to the information.
4. The Requestor acknowledges the confidential nature of the criminal justice information supplied and agrees that disclosure to anyone not directly identified in the approved application in any manner that allows the identification of the individuals whose records have been obtained from the CPD is totally prohibited under any circumstances.
5. The CPD may require that all copies of the information disseminated under this request, be in written or electronic form, be returned or destroyed once the use described in the application has been completed. In this case the information shall be:

RETURNED           

DESTROYED   X

6. Upon completion of the project referenced in the application, the Requestor shall certify in writing that all copies of the information provided under this request have been destroyed or returned as required by Item 5, above.
7. Personnel assigned by the Requestor who will have access to the information requested are:



8. The Requestor has assigned [REDACTED] as the official custodian who shall be responsible for the maintenance, care and security of all information supplied under this Agreement.
9. The CPD may monitor, audit and review the Requestors program activities and policies to ensure compliance with the requirements of this Agreement.
10. Nothing in this Agreement creates any obligation on the part of the Chicago Police Department to provide information. With or without cause, CPD retains the right to require the immediate return or destruction of all copies of the information obtained under this Agreement, take such actions as it deems appropriate to protect the security and privacy of this information and enforce the terms of this contract, and refuse any future requests for criminal information from the Requestor.
11. In order to conceal the identities of persons whose records are supplied to the Requestor, the Requestor agrees to:
  - A. use the information furnished under this Agreement only for the purpose described in the Requestor's letter to CPD;
  - B. replace the name and address of any record subject with an alphanumeric or other appropriate code where possible;

- C. restrict access to all data supplied by CPD to those employees whose responsibilities cannot be accomplished without such access as described in the application to CPD, but in no event to any employee not listed in paragraph seven above;
  - D. store all data received from CPD in secure locked containers; and
  - E. refrain from copying any data not absolutely necessary for the use identified in the application or its security and retain such data only so long as is necessary to conduct the program described in the application to CPD.
12. The Requestor agrees that any publication of the data shall contain the following attribution of the data to CPD: *"This data was provided by and belongs to the Chicago Police Department. Any further use of this data must be approved by the Chicago Police Department."* The Requestor agrees to insert in the preface of any report citing data analysis conducted pursuant to this Agreement, whether published or unpublished, a disclaimer by CPD of the analysis as well as the conclusions derived as follows: *"Points of view or opinions contained within this document are those of the author and do not necessarily represent the official position or policies of the Chicago Police Department."* The Requestor agrees that any documents citing data analysis conducted pursuant to this agreement should be reviewed by the CPD before its dissemination or publication.
13. The Requestor agrees to pay CPD the sum of \$ 0, the cost of preparing the information requested under this Agreement.
14. This Agreement will be effective for twenty-four (24) months from the date of execution upon the signature of the Superintendent of Police. This agreement may only be extended upon written approval from the Superintendent of Police.

IN WITNESS WHEREOF the parties hereto have caused this agreement to be executed by their duly authorized representatives:

**Requestor(s)**

By:   
**Robert Cheetham**  
**President and CEO**

Date: February 23, 2016

**Chicago Police Department**

By: \_\_\_\_\_  
**John J. Escalante**  
**Interim Superintendent of Police**

Date: \_\_\_\_\_



## Memorandum of Understanding

for

### HunchLab Accuracy Pilot

This Memorandum of Understanding ("Agreement") is hereby made and entered into by and between:

Azavea, Inc.

990 Spring Garden St, 5th Floor | Philadelphia, PA 19123

and

Chicago Police Department

3510 South Michigan Avenue | Chicago, IL 60653

**Purpose:** The purpose of this Agreement is to establish the process, bounds, roles, and responsibilities for a pilot trial period of Azavea's HunchLab software product for the purposes of the Chicago Police Department to evaluate the accuracy and value of such a system.

#### Pilot Process:

##### Phase 1: Configuration and Vetting (1 month)

The initial configuration should take no longer than a week once we receive historic crime data. Over the course of up to the rest of the month, we will work together to make sure the mission areas make sense, to tweak settings as necessary, and to measure the initial accuracy of the system as measured by the built-in accuracy measurements.

##### Phase 2: Accuracy Measurement (1-3 months as needed)

Once both parties are happy that the system is working as expected, the three-month accuracy measurement period will begin. During this phase, HunchLab will continue to produce mission areas for Chicago. These mission areas will be stored within the system building up a history of operational predictions that Chicago PD can use in measuring accuracy of the system. CPD may extract these mission areas via our Restful API in order to measure accuracy and demonstrate proof of concept applications for how mission can be integrated into existing mapping workflows at CPD.

##### Phase 3: Results Presentation

Azavea will prepare a presentation of HunchLab's internal accuracy metrics that will be given to the Chicago Police Department for review. The presentation will also examine which variables were utilized within the models and any lessons learned through this pilot process.

Chicago Police Department will also prepare a presentation for Azavea outlining the results of their assessment, feedback for improvement, and lessons learned throughout the pilot.

### Pilot Assumptions:

- The Accuracy Assessment Pilot will be provided without cost to the Chicago Police Department.
- The Chicago Police Department will provide access to key crime data fields in an open format for a five-year period – either in the specified CSV or in a similar, accessible format that Azavea can transform into such CSV. CPD will also provide relevant geographic data sets for use in modeling.
- Daily (or more frequent) crime data uploads to HunchLab will be posted via a scheduled task or similar so that predictions can reflect current activity.
- Azavea will not utilize CPD data for any purpose other than to provide this pilot.
- Azavea will purge CPD data from HunchLab upon request at any time.
- HunchLab will be provided for a period not to exceed 4 months unless mutually agreed to by both parties.
- If both parties are agreed that the metrics reflect a fair and accurate assessment of the models, we will publish information about the accuracy of the system to assist other police departments in evaluating such systems.

### Pilot Deliverables

The pilot program will provide insight into the expected level of accuracy for predictive modeling of your data through automated accuracy measurements from the HunchLab modeling process. In addition, summary information about the factors represented in the HunchLab models for each crime type will be provided. Finally, a set of test missions over the operational phase of the pilot can be used for further analysis.