

APPROVED AS TO FORM AND LEGALITY

2026 MAR 13 PM01:11

FILED

OFFICE OF THE CITY CLERK

OAKLAND


CITY ATTORNEY'S OFFICE

OAKLAND CITY COUNCIL

RESOLUTION NO. 911127 C.M.S.

RESOLUTION: 1) APPROVING THE SURVEILLANCE IMPACT REPORT AND AMENDED SURVEILLANCE USE POLICY, INCORPORATING RECOMMENDATIONS OF THE PRIVACY ADVISORY COMMISSION, FOR THE AERBITS SYSTEM; 2) AUTHORIZING THE CITY ADMINISTRATOR TO NEGOTIATE AND ENTER INTO AN AGREEMENT WITH AERBITS INC. FOR A PILOT PROGRAM TO DETECT AND REPORT ILLEGAL DUMPING; 3) WAIVING THE LOCAL/SMALL LOCAL BUSINESS ENTERPRISE PROGRAM AND COMPETITIVE MULTI-STEP TECHNOLOGY ACQUISITION REQUIREMENTS; AND 4) DIRECTING THE CITY ADMINISTRATOR TO RETURN WITHIN ONE YEAR OF THE ADOPTION OF THIS RESOLUTION TO PROVIDE AN INFORMATIONAL REPORT

WHEREAS, the Surveillance Technology Ordinance (Oakland Municipal Code Chapter 9.64) requires City Council approval for new and existing surveillance technology; additionally, OMC Section 9.64.020.2 requires that, prior to seeking City Council approval for new surveillance technology under Section 9.64.030, City staff shall submit a Surveillance Impact Report (SIR) and Surveillance Use Policy (SUP) to the Privacy Advisory Commission; and

WHEREAS, the presence of abandoned trash on streets and sidewalks damages our community, our economy, and our public health; and

WHEREAS, timely and effective cleanup and removal of illegal dumping is vital to ensuring a clean, safe, healthy and vibrant community, and these goals are strengthened through the acquisition and use of effective systems to identify locations and deploy for remediation; and

WHEREAS, relying primarily on a complaint-based system to identify, track, and remove abandoned trash from the public right of way does not provide comprehensive, equitable, or accurate data; and

WHEREAS, the Oakland Public Works Department wishes to pursue new solutions to more accurately, equitably, rapidly, and comprehensively identify, track, and clean up abandoned trash (illegal dumping) from public spaces, including streets and sidewalks, in Oakland; and

WHEREAS, the Aerbits Inc. system was shared as an example of effective technology for these purposes, including in a presentation at the Annual Illegal Dumping Convention hosted in Oakland by the office of Alameda County Supervisor Nate Miley; and

WHEREAS, the Aerbits system was found to work effectively when utilized in San Francisco, to identify amounts, types, and locations of abandoned trash, support effective, timely and equitable removal, and reduce the amount of trash remaining on the streets and sidewalks; and

WHEREAS, OPW seeks to enter into a contract for a pilot project with Aerbits, Inc. for Aerbits Abandoned Trash Identification and Tracking System, which uses aerial camera technology to identify the location, volume, and type of abandoned trash (illegal dumping) on public rights of way and public property in the City of Oakland;

WHEREAS, pursuant to Oakland Municipal Code (OMC) 9.64.020, OPW drafted the Surveillance Use Policy (SUP) and Surveillance Impact Report (SIR, for the Aerbits system, and presented these items to the PAC for feedback at the regularly scheduled PAC meeting on March 5, 2026; and

WHEREAS, on March 5th, 2026, the PAC voted to recommend that the City Council adopt the SUP for the Aerbits system, with specified amendments, and those amendments are included in the Revised SUP attached to this Resolution, along with the accompanying SIR for the proposed Aerbits System; and

WHEREAS, the Revised SUP (**Attachment A**) covers relevant areas required of a Surveillance Use Policy as required by OMC 9.64.030, including: Technology Description; Authorized Use; Use Restrictions; Data Access, Data Collection and Retention, and Security; Monitoring and Reporting; System Training, and incorporates the recommended Amendments proposed by the PAC; and

WHEREAS, the SIR for the Aerbits System (**Attachment B**) covers the following areas as required by the Surveillance Ordinance: Information describing the system and how it works; Purpose of the technology; Locations where, and Situations in which the technology may be used; Privacy Impact of the technology; Mitigations to prevent privacy impacts; Data Types and Sources; Data Security; Costs; Third Party Dependence; Alternatives Considered; and Track Record of Other Entities; and

WHEREAS, pursuant to OMC 9.64.030, staff recommends that Council approve use of the Aerbits, Inc. technology with the Amended SUP and SIR; and

WHEREAS, the City Administrator has determined that the aforementioned agreement is of a professional and temporary nature and shall not result in the loss of employment or salary by any person having permanent status in the competitive civil service; and

WHEREAS, staff seeks to enter into a contract with Aerbits, Inc. for One Hundred Fifty Thousand Dollars (\$150,000) for Aerbits Abandoned Trash Identification and Tracking System, which uses aerial camera technology to identify the location, volume, and type of abandoned trash (illegal dumping) on public rights of way and public property in the City of Oakland; and

WHEREAS, OMC Section 2.04.042.B requires that the City Administrator conduct a competitive multiple-step solicitation process for the acquisition of any computerized or information technology systems; and

WHEREAS, OMC Section 2.04.042.D provides that the City Council may waive the competitive multiple-step solicitation process upon a recommendation of the City Administrator and finding and determination by the City Council that it is in the best interests of the City to waive the solicitation processes; and

WHEREAS, the Council may waive the City's L/SLBE requirements for professional services contracts pursuant to Part I of Oakland's Local and Small Local Business Enterprise (L/SLBE) Program guidelines adopted by Ordinance No. 13825 C.M.S.; and

WHEREAS, the City of Oakland is determined to act with urgency to remedy illegal dumping, and to enhance eradication with strengthened technology; and

WHEREAS, the Aerbits provider is located in the Bay Region, and is available and prepared to provide needed services for Oakland. No other option has been found for this item; and

WHEREAS, in adopting the June 2025 City budget, the Oakland City Council set aside funds specifically for the purpose of supporting the use of innovative technology to help remedy illegal dumping; and

WHEREAS, the City Administrator recommends that Council waive the applicable L/SLBE and multi-step solicitation process requirements for the Aerbits contract because waiving these processes will allow the City to move expediently, resulting in more immediate action to remedy illegal dumping; now, therefore, be it

RESOLVED: That That City Council hereby adopts and approves OPW's Surveillance Use Policy, as amended based upon recommendations by the Privacy Advisory Commission (**Attachment A**) and also approves and adopts the accompanying Surveillance Impact Report (**Attachment B**); and be it

FURTHER RESOLVED: That pursuant to OMC Section 9.64.030.2.B, for the reasons referenced above and in the Surveillance Impact Report (**Attachment B**) accompanying this resolution, the City Council hereby finds that the benefits to the community of the surveillance technology outweigh the costs (cost-benefit determination); that the proposal will safeguard civil liberties and civil rights, and that no alternative with a lesser economic cost or impact on civil rights or civil liberties would be as effective; and so authorizes the City Administrator or designee to acquire and use the Aerbits system; and be it

FURTHER RESOLVED: That for the reasons stated herein and in the report that accompanies this Resolution, the City Council hereby finds and determines that it is in the best interests of the City to waive the (1) competitive multiple-step solicitation process pursuant to OMC section 2.04.042.D, and (2) L/SLBE program participation requirements pursuant to

Oakland's Local and Small Local Business Enterprise Program guidelines adopted by Ordinance No. 13825 C.M.S., for the Aerbits contract and so waives the requirements; and be it

FURTHER RESOLVED: That the City Administrator is authorized to negotiate and enter into an agreement with Aerbits Inc. for One Hundred Fifty Thousand Dollars (\$150,000) for a pilot project for Oakland Public Works, with Aerbits Abandoned Trash Identification and Tracking System, which uses aerial camera technology to identify the location, volume, and type of abandoned trash (illegal dumping) on public rights of way and public property in the City of Oakland; and be it

FURTHER RESOLVED: That the City Administrator is authorized to amend, extend or increase the agreement up to the City Administrator's purchase authority or whatever subsequent additional authority is granted to the City Administrator by this Council as long as funds are available and have been appropriated for such purpose; and be it

FURTHER RESOLVED: That the City Administrator shall return to Council and to the PAC, within one year of adoption of this Resolution to provide a Report on this project.

IN COUNCIL, OAKLAND, CALIFORNIA,

PASSED BY THE FOLLOWING VOTE:

AYES - BROWN, FIFE, ~~GALLO~~, HOUSTON, RAMACHANDRAN, UNGER, WANG, AND PRESIDENT JENKINS - 7 Ayes

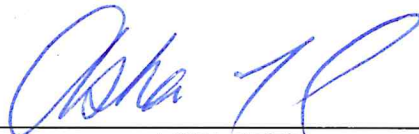
NOES - 0

ABSENT - 0

ABSTENTION - 0

Excused - Gallo

ATTEST:



ASHA REED

City Clerk and Clerk of the Council of the
City of Oakland, California

ATTACHMENT A

OAKLAND PUBLIC WORKS DEPARTMENT
REVISED Use Policy

(Including amendments from Oakland Privacy Advisory Commission)
Abandoned Trash Identification and Tracking System (Aerbits Inc)

1. Purpose: The Aerbits Abandoned Trash Identification and Tracking System (“system”) uses aerial camera technology to identify the location, volume, and type of abandoned trash (illegal dumping) on public rights of way and public property in the City of Oakland. The purpose of the system is to improve the identification, remediation, equity, and effectiveness of removal of abandoned trash (illegal dumping), and enhance pro-active, zone-based removal of abandoned trash from our communities. By identifying locations of dumped debris, in public locations, and identifying volume and types of waste, the system would allow for more effective and more equitable deployment for removal. In addition, the system would allow for identification of where abandoned trash has been removed, and thus, to allow accurate clearance and close-out of complaints. It would identify locations where waste is still present, even when a complaint has not been filed. By also assessing volumes and types of waste, the system would allow deployment of the right type and size of equipment and trucks for effective removal. By allowing OPW to have more accurate information about abandoned waste, this system would provide for more equitable and effective clean-ups, rather than relying on complaint-based systems. The data gathered would include types of waste, and thus, provide for more accurate and effective analysis for waste characterization and better targeted solutions.

2. Authorized Use:

The system shall be used for the photography and review of images of the public rights of way to assess locations, volumes, and types of abandoned waste, in order to effectively evaluate conditions and deploy for removal. It will identify locations that have been cleaned to clear complaints, and those which still need to be cleaned. Before and after photography for cleanup actions, and to identify where dumping is recurring after removals. Only public rights of way and public property to be photographed. Images of personally identifying information will NOT be provided nor utilized. No facial recognition system will be included or utilized. No license plate reading will be included or utilized.

The rules and processes required prior to such use are that the initial full photo set and live viewing of the photography shall only be seen by those with a need to do so, and specific authorization to do so, as further detailed in “Data Protection” section below, specifically the Pilot in Charge who is operating the technology, and an authorized visual observer for the Oakland Public Works Director. The initial images will then be reviewed by the system, to output only those images which have found abandoned trash in the public right of way, or to evaluate a prior report of abandoned trash, along with the data to determine the location, volume, and type of waste. If any images of faces or other personally identifying information are

accidentally incidentally captured in the initial full set of images, they shall be removed, and not be included in the information retained by the Department.

Only the selected data and specific photographs directly relevant to abandoned trash/illegal dumping on public property, to be used for improved planning for eradication, may be retained by the Department, for up to six months ~~three years~~. This selected information may be shared with city personnel who have a need to know for the purposes of abandoned trash/illegal dumping evaluation, planning, and remediation, and for deployment and routing for effective removal, as described in Data Access.



3. Data Collection:

The information that can be collected by the technology are photographic (still) images taken by aerial camera. The system then identifies and provides images of abandoned trash (illegal dumping) in the public right of way, on public property. The system's download will only be used to obtain photos of public locations, and will not include any personally identifying information. Any data obtained through these cameras must be used and handled pursuant to this policy.

4. Data Access:

The original photographs collected, and live view of the system session, are limited to only the Pilot in Charge (PIC)/consultant, and the visual observer for the Oakland Public Works Director. No other people would have access to view the original imagery in the System.

Thereafter, the system will review the collected images, and provide to the Department a download of only the photographs which contain images related to abandoned trash/illegal dumping, illegal dumping remediation, and related data. The provided data will not include images of private property, and will not include personally identifying information.

The downloaded selected information, specifically relevant to remediating abandoned trash, may be provided to: OPW Director, Assistant Director, KOCB Director, such persons who the Oakland Public Works Director finds to have a specific need to access the information for purposes related to illegal dumping remediation, and to enhance and plan for more equitable and effective deployment to remove illegal dumping and abandoned waste. Information on specific waste to be cleaned up may be provided to the clean-up crews.

Access to live information and live images is limited to the pilot in command (PIC) and the authorized visual observer for the Oakland Public Works Director. Downloaded images may be released in accordance with the California Public Records Act.

5. Data Protection:

The overall structure of the proposed system is designed to minimize risks to data, including that data is downloaded from the camera directly through a physical connection, and during download, masking of any private information takes place, such that no private locations or personally identifying information are included in the data to be used and retained by the Department. By avoiding connections through systems that risk intrusion or hacking, this system helps strengthen data protection. Because the images collected are not connected into any broader network, data protection is enhanced, and the risk of bad actors or inappropriate access or use are minimized.

Project personnel will operate aerial cameras with direction to only provide to the Department photographic images of public areas, (eg streets and sidewalks), to assess presence, volume, and types of abandoned trash, and help remediate, analyze, and solve illegal dumping. Geofencing and targeting will be used to focus on public areas. During the processing and download process, images will be redacted to remove any area outside of public property, so that private properties would not be included in the images used by or retained by the Department. The aerial cameras will be deployed high up such that capture of faces or license plates is extremely unlikely. If any personally identifiable information (PII), such as faces, are accidentally incidentally captured in the images, they will be removed, and will not be included in the images retained by the Department and City.

6. Data Retention:

The selected images downloaded, including only public locations, and without any personally identifying information, may be retained by the Department for up to six months ~~three years~~ from collection, for purposes of assessing, deploying, and improving remediation of abandoned trash/illegal dumping, unless otherwise required by law.

The system is designed to minimize the chances of capturing faces or other personally identifying information, due to the technology and manner of deployment. In order to ensure such risks are eliminated, in any case where personally identifiable information (PII) is accidentally incidentally captured, it will be immediately removed/redacted. It will not be included in content downloaded for the Department's use. Any images of private property will be redacted and removed in the download and processing of the photographs. Thus, the initial photographs will not be retained by the Department, and any unredacted images shall be removed from the system by the Consultant within one week of collection.

7. Public Access:

The public may access information not restricted by law, by request. Staff will consult with the City Attorney's Office for review and guidance as needed in regard to such requests. Data about overall trash identified, locations, volumes, and types, may be shared with members of the Oakland Public Works Department on the approval of the Director, for the purpose of analysis, planning, equitable resource allocation, and to improve response to illegal dumping/abandoned trash. Aggregated data showing totals and categories may be shared in public reports.

8. Third-Party Data-Sharing:

The original full images may not be shared. ~~Downloaded, processed redacted images and related data, regarding abandoned waste/illegal dumping, in public locations, may be used only for needed and appropriate uses related to illegal dumping remediation, as approved by the Oakland Public Works Director upon a finding that the person so designated has a specific and appropriate purpose for use of such information.~~ Data on abandoned waste impacting public utilities or partner government agencies may be shared with such agencies (with no personally identifying information included), at the direction of the Oakland Public Works Director. Information may be shared as required in response to a Public Information Requests or a court order.

Photographs taken in Oakland as part of this project are not to be used by or for any other client or any other jurisdiction, including not to be used as training content for other jurisdictions or other clients.

9. Training:

During the pilot period, the Consultant will operate the cameras. Camera image access will be limited to consultant Pilot in Charge, and designated Visual Observer for the Oakland Public Works Director. Consultant will provide to the Oakland Public Works staff designated by the Director training in the functions of the system. OPW staff will conduct periodic training with authorized users of the information. Trainings will include review of this Use Policy and reviewing operational procedures required to adhere to the Policy. Trainings will include the requirement to remove and redact any incidentally captured personally identifying information and images of private property.

10. Oversight:

The Department shall complete and submit a public report no less than annually regarding the uses of the system, risk assessment, and analysis of impacts. The Public Works Director or designee shall conduct annual assessments to ensure authorized users comply with the Use Policy, and shall conduct spot-check assessments no less than quarterly of downloaded content to ensure compliance with this policy. Consultant shall certify compliance with deletion requirements, of seven days for original (unredacted) images, and of six months for redacted images. Documentation of such compliance certifications shall be included with the next Report on Aerbits (eg in the Annual Report).

11. Maintenance

Consultant will provide maintenance for the technology during the proposed contract period, and handle any needed repairs or replacements to ensure appropriate functionality. City staff and consultant will be required to maintain the integrity of the data captured and the system for ensuring removal of any personally identifying information or private property images in downloaded and retained materials.

ATTACHMENT B

City of Oakland Surveillance Impact Report – Aerbits

Identification and Tracking System for Abandoned Trash (Illegal Dumping)

A. Description

“Abandoned Trash Identification and Tracking System ” or "system" means a mobile photographic system and accompanying analysis to detect abandoned trash, (illegal dumping), and utilizes aerial cameras to provide photographs of the public right of way to identify amounts, locations, volumes and type of illegal dumping/abandoned trash. The information provided will only include public property such as streets, sidewalks, and parks, and analytics used to identify and track abandoned trash. They do not seek nor transmit personally identifying information. The system does not include any facial recognition, and does not read license plates.

B. Purpose

The City of Oakland, and its Department of Public Works’ (“Department” or “OPW”) seeks to strengthen remediation of illegal dumping, and make removal of abandoned trash more effective, more equitable, and more efficient, by comprehensively identifying locations, amounts and types of abandoned trash, in order to deploy removal in a pro-active and equitable manner. The proposed system supports the Department's mission and provides important operational value in the following ways: The technology functions to allow efficient deployment for removal of abandoned trash, and comprehensive data to identify illegal dumping hot spots. This use supports the mission to achieve rapid, comprehensive, equitable, pro-active removal of trash, help keep the town clean, improve the quality and usability of the public rights of way, and reduce harmful impacts to public health, neighborhood quality, and the economy caused by illegal dumping. By enabling a comprehensive approach that does not rely primarily on complaints, this system will allow for more effective removal, enhance equity, better serve hard-hit areas, and improve efficiency of deployment for cleanups. In addition, the system will support the ability to identify and document where areas have been cleaned, to accurately clear completed complaints and better inform deployments and decision-making. By providing for before-and-after images for cleanups, the system will enhance removal and tracking. Abandoned trash that is left in the public right of way undermines our community well-being, and thus, it is important to pursue new options to help remedy such harms.

The Department would use the technology only for the following authorized purposes:

Authorized Use(s):

1. Obtain photographs of public areas to identify, locate, and analyze abandoned trash/illegal dumping
2. Analysis of abandoned trash, support for clean-ups, tracking of locations that have, and have not, been cleared, and improve data accuracy, equity, and effectiveness of clean-up deployments.

C. Location

The technology may be deployed throughout Oakland for the city’s public properties and public rights of way, to identify and track illegal dumping. The technology will consist of vendor-owned aerial cameras with accompanying processing technology. The cameras will download

images onto computers for use and analysis, and use software that provides appropriate access to staff uploaded photographs, and locations of abandoned waste, for authorized users.

D. Impact

The use of the technology is intended to support and benefit the residents of Oakland while minimizing and mitigating costs and impacts to potential civil rights and liberties. The purpose of the Aerbits technology is to improve illegal dumping remediation and identification in the City of Oakland, and enable and enhance pro-active, zone-based removal of abandoned trash from our communities, by identifying locations of dumped debris in the public rights of way, in public locations, and identifying volume and types of waste, in order to allow for more effective and better targeted planning and deployment for removal. In addition, the technology would allow for identification of where abandoned trash has been removed, and thus, to allow accurate clearance and close-out of complaints, and allow the tracking to identify locations where waste is still present, to deploy timely for removal, even when a complaint has not been filed. By also identifying estimates of volumes and types of waste, the system would allow deployment of the right type and size of equipment and trucks for effective removal. By allowing OPW to have more accurate information about locations of abandoned waste, this system would provide for more equitable and effective deployment for removal, rather than relying on complaint-based systems, which tend to be less equitable and delay response times. Project personnel will operate aerial cameras with limitations to provide photographs of public areas, eg streets and sidewalks, to assess presence, volume, and types of abandoned trash, and help remediate illegal dumping. Cameras will not utilize systems to capture faces, license plates, or other personally identifying information. If any personally identifiable information (PII), such as faces, license plates, are accidentally incidentally captured in the images, they will be removed by the vendor, and will not be included in the images transmitted to and retained by the Department and City. Access to live data is limited to the following: Pilots in command (PIC), Visual observers. Copies of images (with any incidentally captured personally identifying information redacted) shall be released only to those with a need to know for a proper use, as detailed in the Use Policy.

Additional potential impacts and safeguards are described in the mitigations section below.

E. Mitigations

The analysis has considered potential impacts and has identified the technical, administrative, and physical protections as mitigating measures:

Technical safeguards make potential impacts to dignity and discrimination (e.g., embarrassment and emotional distress, unfair, unethical or inequitable treatment of individuals) unlikely because the cameras will be directed to provide aerial photos of the public right of way and public properties, from a significant distance above the ground, and will not be aimed nor utilized to identify faces or any other personally identifying information. In addition, safeguards to be included require that any incidentally captured personally identifying information be deleted, and will not be part of the transmitted and retained materials. Occasionally, images may capture people traveling by foot or by bicycle who are near abandoned trash being photographed, but these images are incidental and images of persons are purged from the system by the vendor, and not transmitted to or retained by the city. The technology will be utilized to help remedy

inequities in the removal of abandoned trash, by remedying the reliance on complaints (which tend to favor more highly resourced communities) and provide for a more comprehensive, proactive, and zone-based deployments for cleanups, to reduce inequities and harms caused to our hardest-hit communities.

Technical safeguards make the potential impacts of identity theft/misidentification minimal because the system provides no information identifying individuals, including that it does not identify faces or license plates. Safeguards make the impact potential impact of loss of control over decisions on how personal information is used or processed highly unlikely because the system provides no information identifying individuals.

System usage plans and safeguards make potential improper exposure to arrest or detainment due highly unlikely because the systems will not be capturing personally identifying information and also will not be used for criminal or prosecutorial purposes. Safeguards and usage plans make potential physical harm highly unlikely because the system has no access to information identifying individuals and because the aerial cameras will operate at a high enough height to avoid potential impacts to persons, and because the aerial cameras used will be of a type that is sufficiently small and quiet to avoid causing disruption, noise pollution, or annoyance to persons. Safeguards make potential impacts to trust (e.g. failure to meet residents expectation of privacy, concern about intrusions or improper use) minimal because the technology is used to identify locations, volumes and types of illegal dumping in public locations for more effective remediation. The aerial cameras will be small enough and high enough up, and of a relatively quiet type, to avoid being intrusive, and will not provide any personally identifying information.

F. Data Types and Sources

The images provided to the City – which will not include any personally identifying information - may be retained by the Department and used by persons designated pursuant to the Use Policy to improve analysis of illegal dumping, enhance equity and effectiveness of removal and abatement, improve data about what locations have, and have not, been cleaned, and for planning deployment of illegal dumping remediation efforts. If personally identifiable information (PII) is accidentally incidentally captured, it will be immediately removed.

G. Data Security

The system will not provide photographs of private property and will not utilize systems to capture faces, license plates, or other personally identifying information. If any personally identifiable information (PII), are accidentally incidentally captured in the images, they will be removed by the vendor, and will not be included in the images transmitted to and retained by the Department and City. Access to live data is limited to the following: Pilots in command (PIC), the approved Visual observer for the Public Works Director, as described in the Use Policy.

H. Fiscal Costs and Benefits

The initial incremental cost, of the proposed Pilot Project, is the \$150,000 contract cost for the pilot period for Aerbits Inc. The proposal is that such funds will come from monies already identified and set aside by the Council in the adopted budget, for innovations and technology to help solve illegal dumping, from Fund 1720 (Comprehensive Clean-Up Fund), and will not rely on general funds. In addition, grants and donor funds may become available for such uses.

The Department's use of the technology can yield significant financial, business and operations benefits:

<u>Benefit</u>	<u>Description</u>
Time Savings	Helps staff identify locations, types, and sizes of piles of abandoned waste, at multiple locations, improving effectiveness and efficiency of planning for deployment and remediation. Saves numerous expensive hours that would otherwise need to be spent driving around to view locations of waste.
Data Quality	Improves accuracy of data related to waste locations, types and amounts. Provides data to inform policies and deployments and allows for more immediate data to demonstrate the impacts of efforts over time, including before-and-after images for cleanups. Helps solve the problem of both false negatives and false positives from complaints (eg there may be multiple separate complaints that only actually represent one dumping incident, and there are many incidents for which no complaints are filed, and thus, for which a complaint-based system does not adequately plan for and remediate)
Planning	Provides data regarding effectiveness of the involved technology, which will help inform future planning and financial decisions, and the opportunity to train personnel in use of a new and more effective system, to be able to evaluate and plan for future uses. Improves planning for remediation of abandoned waste by providing more accurate and comprehensive data of waste locations, types, and amounts.
Staff Safety	Identifies locations and types of waste without the need for in-person contact with potential hazards, or in-person presence in the transportation right of way with risk of collisions.
A Cleaner and Healthier City	Helps reduce the amount of abandoned trash on the street, and enable more rapid and equitable remediation of illegal dumping, by ensuring data is comprehensive and timely, to support more efficient cleanups, and avoid delays, and avoid the wasted time involved in waiting for and chasing complaints. Improves public health and safety by reducing the amount of time trash sits in the public right of way before being removed. Improves equitable service for hard-hit communities by providing for pro-active remediation rather than relying primarily on complaints.

I. Third Party Contract

The department proposes to rely upon third party technology vendor to provide the pilot program for the system. All data collected or processed by the technology will be handled and stored such that any incidentally captured personally identifying information will be redacted by third-party vendor, and then transmitted to the City. The department will ensure that the vendor complies with all data access requirements. The pilot period will provide an opportunity to undertake evaluations and recommendations regarding potential future use, including potential to own, obtain training for, and operate such a system internally or with consultants in the future.

J. Alternatives

The primary alternatives to this proposed technology are either to rely on complaints to identify illegal dumping – which include the problems of inaccuracy and detail, lack of comprehensiveness, and inequity, or to rely on extensive driving and in-person viewing and data entry by personnel to find and track locations of abandoned trash, which is expensive and time-consuming. Therefore, we recommend this pilot program, to test the use of this system, as an opportunity to utilize a more effective, more efficient, and more comprehensive and equitable system to identify types, locations, and volumes of abandoned trash for improved remediation and deployment, and to enable more effective before-and-after tracking of cleanups, and more accurately clear complaints.

K. History:

The technology under consideration in this report, from Aerbits Inc. has been pilot tested in our Bay Region, and presented as an example of an innovative best practice with a successful example of use, presented to the annual Illegal Dumping Convention, hosted by Alameda County Supervisor Nate Miley. The presentation from that convention is posted online at: https://district4.alamedacountyca.gov/wp-content/uploads/sites/14/2023/05/IDCon23_Presenter_Day2_BrianJohnson.pdf

Approved Impact Reports will be posted on the PAC Website at:
<https://www.oaklandca.gov/boards-and-commissions/privacy-advisory-board>