

adopted 2-13-2023
eff 2-13-2023

P. 7-0

ORDINANCE NO.: 07-2023

SPONSORED BY:

Co-sponsored

MAYOR MATTHEW A. BURKE

All of Council

AN EMERGENCY ORDINANCE AUTHORIZING AND DIRECTING THE MAYOR TO ENTER INTO AN AGREEMENT WITH OHM ADVISORS TO PROVIDE MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) SERVICES TO THE CITY OF GARFIELD HEIGHTS FOR 2023.

WHEREAS, the City Council of the City of Garfield Heights has deemed it to be in the best interest of the City to enter into an agreement with OHM Advisors to provide MS4 services to the City of Garfield Heights for 2023.

NOW, THEREFORE BE IT ORDAINED BY THE COUNCIL OF THE CITY OF GARFIELD HEIGHTS, OHIO, THAT:

SECTION 1. The Mayor be and he is hereby authorized and directed to enter into an agreement with OHM Advisors to provide MS4 services to the City of Garfield Heights for 2023 delineated in Exhibit A attached hereto and made a part hereof as if fully rewritten herein.

SECTION 2. The Finance Director is hereby authorized and directed to issue her vouchers of the City for the purposes stated in Section 1. hereof, said vouchers to be charged to the appropriate fund.

SECTION 3. Council declares this Ordinance to be an emergency measure necessary for the immediate preservation and protection of the public peace, health, safety, and general welfare of the inhabitants of the City of Garfield Heights and shall take effect and be in full force immediately upon its adoption by this Council and approval by the Mayor, otherwise, it shall take effect and be in force from and after the earliest period allowed by law.

PASSED: 2-13-2023

APPROVED:

Matthew A. Burke

MAYOR

Thomas J. Vaughn

PRESIDENT OF COUNCIL

ATTEST:

Lottie Overly

CLERK OF COUNCIL

EFFECTIVE DATE: 2-13-2023

January 17, 2023

Mayor Matthew Burke
City of Garfield Heights
5407 Turney Road
Garfield Heights, OH 44125

**Re: MS4 Compliance
Proposal #22304**

Dear Mayor Burke:

The following scope of services, price proposal, and project schedule which represent our understanding of the project, based upon prior discussions, meetings, and/or additional project information made available at the time of this proposal. Should you have any questions, please let us know.

Proposal Outline

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Identification

The parties of the Agreement shall be referred to within this document as follows:

- “Municipality” shall refer to the City of Garfield Heights, Cuyahoga County, Ohio
- “OHM” shall refer to Orchard, Hiltz & McCliment, Inc., dba OHM Advisors



Project Understanding

Since 2003, it has been a requirement for the City of Garfield Heights to address state and federal regulations mandated through amendments to the Clean Water Act. The requirements, referred to as the Municipal Separate Storm Sewer System (MS4) permit is implemented in urban and developing areas. The Ohio EPA recently approved the new MS4 General Permit (OHQ000004) in April, 2021. The City must comply with all Minimum Control Measures (MCMs) provided in the permit, measured by a report submitted to the EPA annually. Noncompliance constitutes a violation of ORC 6111, and is grounds for enforcement action by the EPA. Though the City of Garfield Heights staff has been working on addressing many of the MS4 requirements, instances arise that benefit from the assistance from the support of an outside consultant. Such instances include a surprise audit of MS4 Program elements from the Ohio EPA, investigation and response to illicit discharges, problems at construction sites, annual reports, employee training, and other issues. Other tasks include the development and submittal of permitting deliverables like the Storm Water Management Plan (SWMP), revised stormwater management ordinances, and stormwater infrastructure mapping requirements. OHM staff have the experience from a variety of stormwater program and MS4 compliance, and can help the city become increasingly compliant. OHM can also provide assistance during an Ohio EPA MS4 audit.

Scope of Services

OHM is pleased to enter into a contract to assist the City of Garfield Heights with their Municipal Separate Storm Sewer System (MS4) compliance. The following tasks describe the items OHM can provide assistance and guidance to the city in order to be in compliance with the Ohio EPA MS4 permit requirements.

Task #1 MCM1 Public Education and Outreach on Storm Water Impacts

- Assist the municipality in the implementation of the public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps the public can take to reduce pollutants in storm water runoff in accordance with the Ohio EPA MS4 MCM 1 requirements. The implementation of the program requirements include assistance to the municipality in the following:
 - Coordination of materials and programs provided by Cuyahoga Soil and Water Conservation District, NEORSD, Cuyahoga Department of Health, etc. for public education
 - Updating the MCM 1 program in the municipality's storm water management plan (SWMP)
 - Summary and data requirements for submittal of the MCM 1 section of the MS4 annual report

Task #2 MCM2 Public Involvement/Participation

- Assist the municipality in the development and implementation of the storm water public involvement/participation program in accordance with the Ohio EPA MS4 MCM 2 requirements. The implementation of the MCM 2 program requirements include assistance to the municipality in the following:
 - Coordination of public involvement activities and with Cuyahoga Soil and Water Conservation District sponsored events.
 - Updating the MCM 2 program in the municipality's stormwater management plan (SWMP)
 - Summary and data requirements for the submittal of the MCM 2 section of MS4 annual report



Task #3 MCM3 Illicit Discharge Detection and Elimination

- Assist the municipality in the development, implementation, and enforcement of the program to detect and eliminate illicit discharges into the municipality MS4 in accordance with the Ohio EPA MS4 MCM 3 requirements. The implementation of the MCM 3 program requirements include assistance to the municipality in the following:
 - Coordination to support the memorandum of understanding (MOU) with Cuyahoga Department of Public Health. Including their role in outfall inspections reports, outfall inspection requirements, inspection scheduling, record keeping, and communications with the municipality.
 - Public education requirements of the hazards of illegal discharges.
 - Maintenance of all required codified ordinances and procedures.
 - Updates and improvements to the required overall storm sewer map outfalls and HSTS locations.
 - Updating MCM 3 program in the municipality's stormwater management plan (SWMP)
 - Summary and data requirements for the submittal of the MCM 3 section of the MS4 annual report.

Task #4 MCM4 Construction Site Storm Water Runoff Control

- Assist the municipality in the development, implementation, and enforcement of the program to reduce storm water runoff from land disturbance construction activities in accordance with the Ohio EPA MS4 MCM 4 requirements. The implementation of the MCM 4 program requirements include assistance to the municipality in the following:
 - Coordination to support the memorandum of understanding (MOU) with Cuyahoga Soil and Water Conservation District. Including their role in plan reviews, construction inspection reports, record keeping, and communications with the municipality.
 - Maintenance of all required codified ordinances, its procedures and enforcement.
 - Construction site storm water pollution prevention plan inspection, documentation and follow up with information submitted by the public, and monitoring of active storm water BMPs.
 - Updating MCM 4 program in the municipality's stormwater management plan (SWMP)
 - Summary and data requirements for the submittal of the MCM 4 section of the MS4 annual report.

Task #5 MCM5 Post Construction Storm Water Management in New Development & Redevelopment

- Assist the municipality in the development, implementation, and enforcement of the post construction storm water management program in accordance with the Ohio EPA MS4 MCM 5 requirements. The implementation of the MCM 5 program requirements include assistance to the municipality in the following:
 - Development and implementation of a Long-Term Operation and Maintenance (LTMA) of implemented and future post construction runoff controls.
 - Inspection, documentation and follow up with information submitted by the public, and record data of implemented and future post construction runoff controls, and coordination/update to the storm sewer map.
 - Maintenance of all required codified ordinances, its procedures and enforcement.
 - Development and implementation of the Ohio EPA TMDL performance standard requirements.
 - Updating MCM 5 program in the municipality's stormwater management plan (SWMP)
 - Summary and data requirements for the submittal of the MCM 5 section of the MS4 annual report.



Task #6 MCM6 Pollution Prevention/Good Housekeeping for Municipal Operations

- Assist the municipality in the development and implementation of an O&M program that includes a training component and has the goal of preventing or reducing pollutant runoff from municipal operations. The implementation of the MCM 6 program requirements include assistance to the municipality in the following:
 - Coordination of annual employee training through the Cuyahoga Soil and Water Conservation District MOU.
 - Revisions and maintenance of the municipality's site stormwater pollution prevention (SWPP) plans.
 - Requirements of the MS4 permit at all municipal facilities, including outfall inspections, maintenance activities, containment areas etc. and assist with appropriate documented procedures, control, maintenance schedules and recordkeeping.
 - Updating MCM 6 in the municipality's approved stormwater management plan (SWMP)
 - Summary and data requirements for the submittal of the MCM 6 section of the MS4 annual report.

Compensation

The above services will be performed on a lump sum basis in the amount of \$1,500 per month. Invoicing will be performed monthly.

Clarifications and Assumptions

- Our Proposal was prepared based on the following assumptions:
 - If additional labor effort or change in schedule is required beyond described herein, OHM Advisors will negotiate an amendment with the City of Garfield Height. OHM Advisors will not proceed with additional services without written authorization to proceed from the City of Garfield Height.

Client Responsibilities

- City of Garfield Height will provide a single point of contact to OHM Advisors who is knowledgeable about the project needs and desired outcomes

Terms & Conditions

The Terms and Conditions contained in the Annual Engineering contract per ordinance number 104-2022 shall also apply to this contract.

Contract Term

Contract Term shall commence on date executed below and terminate on December 31, 2023.



Authorization

Sincerely,
OHM Advisors

Jason Popiel, PE
Project Manager
Jason.popiel@ohm-advisors.com
D: 330.913.1049 C: 330.687.8113

David G. Krock, PE
Vice President
David.krock@ohm-advisors.com

Authorization to Proceed

Signature

Printed Name

Title

Adopted 2-13-2023
ess. 2-13-2023
P. 7-0

ORDINANCE NO.: 08-2023

SPONSORED BY: MAYOR MATTHEW BURKE

Co-sponsored

All of Council

AN EMERGENCY ORDINANCE AUTHORIZING AND DIRECTING DAVID KROCK, CITY ENGINEER, TO PREPARE THE NECESSARY PLANS AND SPECIFICATIONS, PER OHM ADVISORS, PROPOSAL, ATTACHED HERETO AS EXHIBIT "A", AND TO COMPETITIVELY BID, FOR THE MULTI-STREET RECONSTRUCTION & WATERLINE REPLACEMENT PROJECT – PHASE 8, AND AUTHORIZING THE PAYMENT OF COSTS FOR THIS PROJECT, WHICH COSTS WILL BE FUNDED THROUGH THE CITY OF GARFIELD HEIGHTS, THE CLEVELAND WATER DEPARTMENT AND AN OHIO PUBLIC WORKS COMMISSION LOAN PROGRAM.

Whereas, the current condition of the waterlines in the streets listed in Exhibit "A" meet the current requirements of the Cleveland Water Department's waterline replacement guidelines, and

Whereas, this Council, on September 1, 2022, approved Ordinance 86-2022, which approved the application for the Ohio Public Works Commission Loan Program to reconstruct the roadway in the listed streets upon completion of the waterline replacement, and

Whereas, the Ohio Public Works Commission informed the City in 2023 that this project would be funded thru the loan program for the 2024 construction season, and

Whereas, the City Engineer, David Krock, has prepared an estimate of the engineering, bidding, inspection, testing, and construction costs for this project, and

Whereas, in order to maintain the timing requirements associated with the Ohio Public Works Commission Loan Program, it is now necessary for the City Engineer, David Krock, of OHM Advisors, to begin the preparation of detailed plans and specifications for all work to be included in this project, and

Whereas, upon the opening and tabulation of the Public Bid process all construction bids received will be brought before the Board of Control for final approval.

NOW, THEREFORE BE IT ORDAINED BY THE COUNCIL OF THE CITY OF GARFIELD HEIGHTS, OHIO, THAT:

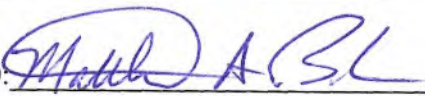
SECTION 1. The City Engineer, David Krock, is hereby authorized and directed to prepare the necessary plans and specifications, per the OHM Advisors Proposal, attached hereto as Exhibit "A", and to competitively bid, for the Multi-Street Reconstruction & Waterline Replacement Project – Phase 8, and authorizing the payment of the costs for this project, which costs will be funded through the City of Garfield Heights, the Cleveland Water Department and an Ohio Public Works Commission Loan Program.

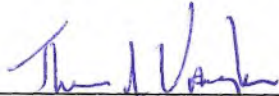
SECTION 2. Upon compilation and tabulation of the bids received for the project, the City Engineer, David Krock, shall present such tabulation to the Board of Control for approval of the required contracts.

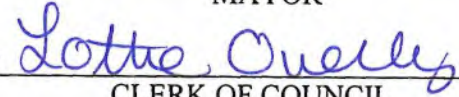
SECTION 3. The Finance Director is hereby authorized and directed to issue her vouchers of the City for the purposes stated in Section 1. hereof, to OHM Advisors for the preparation of the plans, specifications and the public bidding costs of the project in an amount not to exceed \$362,000.00 dollars, and for \$307,000.00 dollars for construction services; and further to the awarded contractor(s) for the construction costs associated with this project in an amount not to exceed \$4,383,000.00, upon the approval of the Board of Control, said vouchers to be charged to the appropriate fund, which costs will be funded through the City of Garfield Heights, the Cleveland Water Department and an Ohio Public Works Commission Loan Program.

SECTION 4. Council declares this Ordinance to be an emergency measure necessary for the preservation of the public health, safety and welfare; therefore, this Ordinance shall be in full force and effect immediately upon the adoption by Council and approval by the Mayor; otherwise from and after the earliest period allowed by law.

PASSED: 2-13-2023

APPROVED: 
MAYOR


PRESIDENT OF COUNCIL

ATTEST: 
CLERK OF COUNCIL

EFFECTIVE DATE: 2-13-2023



The City of Garfield Heights

5407 TURNEY ROAD • GARFIELD HEIGHTS, OHIO 44125 • PHONE 216/475-1504
FAX 216/475-3807

Multi-Street Recon - Phase I

OPWC Submittal

January 26, 2023

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PROJECT FACT SHEET

Name: Multi-Street Reconstruction & Waterline Replacement – Phase 8

Limits:	PROJECT NAME	FROM	TO	LENGTH
	Shady Oak	E 122nd	E 135th	2580 LF
	Henry	Center	Marguite	390 LF
	McCracken	Turney	E 113th	940 LF
	E 93rd	David	Plymouth	670 LF

4 Street Locations

4,580 LF

Scope: Reconstruction of street pavement with pavement repair and asphalt resurfacing. Replacement of existing waterline with new 8" waterline. Work also includes new fire hydrants, valves, reconnection to side streets, and service connections to homes and businesses. Repair of Storm and Sanitary Structures, as necessary. Restoration of all driveways, sidewalks, and lawn areas disturbed by construction.

Costs:

\$ 4,383,000	Construction
\$ 362,000	Engineering
\$ 307,000	Inspection & Testing
\$ 5,052,000	Total Project Cost

Funding:

\$ 3,343,000	66% Funding by CWD (City of Cleveland, Division of Water)
\$ 1,466,000	29% Funding by OPWC (Ohio Public Works Commission)
\$ 243,000	5% Funding by the City of Garfield Heights
\$ 5,052,000	Total Project Funding

The City of Cleveland, Division of Water will be funding most of the project costs in accordance with the Suburban Watermain Replacement Program Agreement.

Schedule:

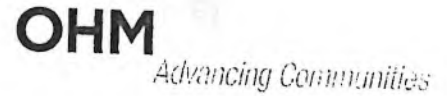
July 2023	Notification of Award by OPWC
January 2024	Engineering Design & Approvals Complete
March 2024	Public Bidding Complete
May 2024	Construction Begins
October 2024	Construction Completed

Other: Streets will be closed with access maintained for Local Traffic.

Questions?

David G. Krock, PE, City Engineer // Mobile: 330.350.0521 // david.krock@ohm-advisors.com
James Sickels, Assistant City Engineer // Mobile: 330.338.5349 // james.sickels@ohm-advisors.com

ARCHITECTS. ENGINEERS. PLANNERS.



January 23, 2023

Mayor Matthew Burke
City of Garfield Heights
5407 Turney Road
Garfield Heights, OH 44125

RE: Multi Street Reconstruction – Phase VIII
Location: City of Garfield Heights
Proposal #22237

Dear Mayor Burke:

The following scope of services, price proposal, and project schedule which represent our understanding of the project, based upon prior discussions, meetings, and/or additional project information made available at the time of this proposal. Should you have any questions, please let us know.

Proposal Outline

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Clarifications and Assumptions	8
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Terms & Conditions	8

Sincerely,
OHM Advisors

Chad M. Lewis, PE, Project Manager
Chad.lewis@ohm-advisors.com
D: 216.865.1345 C: 216.644.3987

David G. Krock, PE
Vice President
David.krock@ohm-advisors.com

Authorization to Proceed

Signature

Date

Printed Name

Title

Project Understanding

The referenced project will replace approximately 5,000 lineal feet of water main and perform pavement repairs and resurfacing on four (4) total streets within the City. Please see Task #2 for list of streets. This proposal includes professional services for geotechnical engineering, topographic survey, design engineering, bidding services, and construction administration, in accordance with the scoped tasks described herein.

Scope of Services - Information Gathering Tasks

Task #1 Geotechnical Engineering

- The following services are included in the fee shown:
 - Performance of ten (10) pavement cores
 - Standard penetration sampling per current ASTM standards
 - Identification and evaluation of pavement properties
 - Written report of findings and recommendations including:
 - Pavement profile and subsurface conditions
 - Pavement repairs recommendation
 - Constructability cautionary notes, if applicable
 - This information will be used for follow-on engineering tasks

Task #2 Topographic Survey

- The following services are included in the fee shown:
 - Shady Oak Boulevard – East 122nd Street to East 135th Street (2,580 LF)
 - Henry Street – Center Avenue to Marguerite Avenue (490 LF)
 - McCracken Road – Turney Road to East 113th Street (1,210 LF)
 - East 93rd Street – Plymouth Avenue to David Road (695 LF)

 - 4 Total Streets 4,975 LF
 - Data Collected:
 - Mainline valves, fire hydrants, and other water main components
 - Meters, Services, and Valves to all Water Customers within the Survey Limits
 - All existing utilities (overhead and underground), as marked by OUPS.
 - All street pavement and curbs
 - Driveways, hard surfaces, landscape areas, trees, bushes, etc. (from Aerial)
 - Contour elevations (street area only)
 - All other important topographic features that might impact construction.
 - This information will be collected and provided in an AutoCAD format for use in design.

Scope of Services - Engineering Tasks

Task #56 Pre-Design & Field Analysis

- The following services are included in the fee shown:
 - Analysis
 - The engineer shall utilize the field review to verify conditions for construction, maintaining traffic, repair/replacement effort, and to make notations of specific areas of concern and caution for the contractor.

- Recommendation
 - The engineer will provide limits and type of work to be performed on designated streets along with associated construction estimates to aid in project decision making.

Task #58 Schematic Design

- The following services are included in the fee shown:
 - Schematic design
 - Initial plan view layout of waterline and reconnection of side street
 - Initial analysis of storm sewer impacts due to waterline construction.
 - Initial analysis of sanitary sewer impacts due to waterline construction.
 - Roadway typical section
 - Initial analysis of site impacts, beyond the roadway including driveways, side streets, and adjacent property
 - Roadway & Sidewalk
 - Water Main, Hydrants, etc.
 - Preparation of schematic level plan set to include:
 - Title Sheet
 - Legend Sheet
 - Schematic Plan
 - Typical Section
 - General Notes
 - Maintenance of Traffic Notes
 - Maintenance of Traffic Detour Route
 - Plan & Profile Sheets
 - Preparation of Schematic level construction cost estimate
 - Coordination of initial design concepts with public agencies, including:
 - City of Garfield Heights
 - Cuyahoga County Public Works
 - NEORSD, As applicable
 - City of Cleveland, Division of Water
 - Submittal of Schematic Design Plans to Private Utility Companies for initial coordination of impacts/conflicts with their facilities for purposes of relocation.

Task #59 Design Development

- The following services are included in the fee shown:
 - Design Development of waterline replacement, pavement repair and resurfacing
 - Waterline Design
 - Plan and profile design of watermain
 - Plan and profile design of side street construction
 - Design of hydrants, valves, chlorination pits, etc.
 - Storm Sewer Design
 - Plan and profile design of storm sewers impacted by waterline
 - Sanitary Sewer Design
 - Plan and profile design of storm sewers impacted by waterline
 - Maintenance of Traffic Design
 - Preparation of lane use details
 - Preparation of local detours and signage

- Preparation of local access details
- Preparation of plan sheets showing MOT plan
- Preparation of Design Development level construction cost estimate
- Coordination of DD level plans with public agencies, including:
 - City of Garfield Heights
 - Cuyahoga County Public Works
 - NEORSD, As applicable
 - City of Cleveland, Division of Water
- Submittal of Design Development Plans to private utility companies for further coordination of impacts/conflicts with their facilities for purposes of relocation.

Task #60 Construction Documents

- The following services are included in the fee shown:
 - Preparation of Construction Documents shall be as follows:
 - Title Sheet
 - Legend Sheet
 - Schematic Plan
 - Typical Section
 - General Notes & Specifications
 - Maintenance of Traffic Plan & Details
 - General Summary
 - Sub-Summary Sheets
 - Plan & Profile Sheets (Waterline)
 - Pavement Repair Section Details and Specifications
 - Drive Detail Sheets
 - Storm Sewer Crossings Profile Sheet
 - Construction Details
 - SWPPP Site Plan
 - Design will include all details and specifications required for public bidding of a unit price contract, in accordance with industry standards.
 - Coordination and approval of Final Construction plans with public agencies, including:
 - City of Garfield Heights
 - Cuyahoga County Public Works
 - NEORSD, As applicable
 - City of Cleveland, Division of Water
 - Submittal of Final Construction plans to Private Utility Companies for follow-up and final coordination of impacts/conflicts with their facilities for purposes of relocation.

Task #90 Official Engineer's Project Cost Estimate

- The following services are included in the fee shown:
 - Determination of estimated quantities for construction
 - Evaluation and estimate of construction costs for use with public bidding requirements

Scope of Services - Bidding and Award Tasks

Task #151 Bidding & Contract Documents

- The following services are included in the fee shown:
 - Preparation of bid documents including legal advertisement, instructions to bidders, bid forms, contract forms and affidavits, prevailing wage forms, EEO forms, scope of work, schedule, and other Owner forms and requirements to be added to the public bidding process.
 - These documents will be 100% complete, ready for bidding of the Public Project.
 - Bid books will be made available for purchasing by bidders
 - Contract Documents
 - Upon receiving community legislation to award the construction bid, OHM will prepare (3) three copies of contract documents for execution, bonding, insurance, etc.
 - OHM will prepare the notice of commencement for signature(s)

Task #152 Bid Process, Review, & Award

- The following services are included in the fee shown:
 - Addendums/Clarifications
 - This activity is necessary to provide written explanation to all bidders for any questions regarding the bid documents and plans.
 - Depending upon the size and complexity of the project, multiple addendums/clarifications may be required for the project.
 - OHM will prepare addendums/clarifications and any necessary supporting documents and distribute to plan holders.
 - Post-Bid Activities
 - Evaluation of bids and contractor qualifications
 - Pre-Award Meeting to review all bid items with apparent low bidder
 - Recommendation of Award to the Owner
 - The fee provided includes one bidding process only. In the event the project needs re-bid, a contract modification will be submitted for the additional bidding services to be provided. Additional services will commence upon approval of the contract modification.

Scope of Services - Construction Services Tasks

Task #175 Pre-Construction Services

- The following services are included in the fee shown:
 - Obtain signatures on work agreements
 - Pre-construction meeting
 - Coordination with Contractor, Utilities, Safety Forces, Residents, and Businesses
 - Personnel coordination and project schedule
 - Perform materials, suppliers, and shop drawing reviews and communicate revisions/approvals with contractor
 - Review contractual items
 - Distribution of documents/information (meeting records)

Task #176 Construction Services

- The following services are included in the fee shown:
 - Coordination with Contractor, Utilities, Safety Forces, Residents, and Businesses
 - Prepare daily inspection reports
 - Regular progress meetings with contractor

- Inspection and testing services
- Response to RFIs (request for information) from contractor
- Review of pay requests and recommendations for payment
- Negotiation of Change Orders
- Prevailing Wage Verification
- Coordination of Funding Reimbursements
- Staffing will include the following:
 - Construction Inspector: On-Site during all working hours of construction
 - Field Client Representative: On-site weekly reviews with construction inspector, and Off-Site Coordination via phone with Inspector, Contractors, Owner and Construction Manager
 - Construction Manager: On-site Reviews as needed/Off-Site Coordination with Inspector, Contractors, and Owner where possible via phone to control costs
 - Construction Engineer: Involved on an as-needed basis to facilitate field decisions and design-related issues.
 - Construction Administrative Assistant: Coordination of all documentation from pre-construction, contracts, pay requests, and close-out documents.
 - Typical Weekly Staffing for a 40-hour/week construction project is approx.:
 - Construction Inspector: 40 Hours
 - Field Client Representative 8 Hours
 - Construction Manager: 4 Hours
 - Construction Engineer: 1 Hour
 - Construction Admin: 2 Hours
- Total Budget Cost per 40-hour week Project = \$ 6,000
- Total Cost is therefore directly related to the time duration of the construction project.

Task #177 Post-Construction Services

- The following services are included in the fee shown:
 - Review of final construction with contractor and Owner
 - Preparation, distribution, and approval of final punch list
 - Review of As-Built Drawings
 - Maintenance Bond Coordination
 - Lien releases, payments, and final acceptance

Task #178 Additional Construction Services If Authorized

- This task has been included as an "If Authorized" fee in the event that one or more of the following conditions occur:
 - The Contractor's work schedule exceeds the number of weeks shown above in the Project Schedule.
 - The Contractor's work schedule includes work weeks exceeding 40 hours.
 - The Contractor's work process requires multiple work crews and therefore multiple inspectors on-site simultaneously.
 - The Contractor is granted extra time (time extension) to complete the project.
 - The Contractor is awarded a change order for additional work or changed work conditions.
- If any of the above conditions apply, the Engineer shall document and estimate the total cost to complete the additional inspection services and request authorization/approval from the Owner to cover these costs.

Price Proposal

#	Information Gathering Tasks	Fee
Task #1	Geotechnical Engineering	\$12,000
Task #2	Topographic Survey	\$31,800
	Subtotal =	\$43,800
#	Engineering Tasks	Fee
Task #56	Pre-Design & Field Analysis	\$ 5,500
Task #58	Schematic Design	\$ 75,000
Task #59	Design Development	\$109,000
Task #60	Construction Documents	\$120,500
Task #90	Official Engineer's Project Cost Estimate	\$ 2,700
	Subtotal =	\$312,700
#	Bidding and Award Tasks	Fee
Task #151	Bidding & Contract Documents	\$ 3,000
Task #152	Bid Process, Review & Award	\$ 3,000
	Subtotal =	\$ 6,000
	Construction Services Tasks	
Task #175	Pre-Construction Services	\$ 10,700
Task #176	Construction Services	\$288,000
Task #177	Post Construction Services	\$ 8,000
Task #178	Additional Construction Services (If Authorized)	TBD
	Subtotal =	\$306,700
	Grand Total =	\$669,200

Notes:

- Task #175 & Task #177 shall be billed as Fixed Fee.
- Task #176 & Task #178 (If Authorized) shall be billed at the Standard Hourly Rates.

Anticipated Project Schedule

Information Gathering Tasks:	April/May 2023
Engineering Tasks:	June 2023 through January 2024
Bidding & Award Tasks:	February/March 2024
Construction Tasks:	May through October 2024

Clarifications and Assumptions

- Our Proposal was prepared based on the following assumptions:
 - If additional labor effort or change in schedule is required beyond described herein, OHM Advisors will negotiate an amendment with the City of Garfield Heights. OHM Advisors will not proceed with additional services without written authorization to proceed from the City of Garfield Heights.
 - Meetings shall be conducted in accordance with the Scope of Services as described herein. Additional meetings, not described within our Scope of Services, shall be considered additional services and will be billed on an hourly basis under the Additional As-Needed Services Allowance upon agreement with the City of Garfield Heights.

Client Responsibilities

- City of Garfield Heights will provide a single point of contact to OHM Advisors who is knowledgeable about the project needs and desired outcomes
- City of Garfield Heights will provide the following, if available, to assist us with the project: (prior as-builts and existing plans, plat maps, site surveys indicating site boundaries, existing topography, access to structures, easements and utility line information, utility availability, building information, etc.)

Terms & Conditions

The Terms and Conditions contained in the Annual Engineering contract per ordinance number 104-2022 shall also apply to this contract.

ORDINANCE NO.: 09-2023

SPONSORED BY:
CO Sponsored

MAYOR MATTHEW A. BURKE
All of Council

AN EMERGENCY ORDINANCE AUTHORIZING AND DIRECTING DAVID KROCK, CITY ENGINEER, TO PREPARE THE NECESSARY PLANS AND SPECIFICATIONS, PER THE OHM ADVISORS PROPOSAL, AND TO GO OUT FOR COMPETITIVE BIDS, FOR THE EAST 126TH STREET & WOLF CREEK INTERCEPTOR IMPROVEMENTS PROJECT, AND AUTHORIZING PAYMENT OF COSTS THRU FUNDING BY THE NEORS MCIP, THE NEORS/COMMUNITY COST SHARE PROGRAM, AND OPWC

WHEREAS, Ordinance Nos. 44-2022 and 81-2022 authorized the Mayor to apply for funding of the East 126th Street & Wolf Creek Interceptor Improvements project through the Northeast Ohio Regional Sewer District Program(s), and OPWC, and

WHEREAS, the purpose of this project is to eliminate residential basement flooding and property damage, reduce flows to the District's infrastructure for treatment of removing storm water from the currently combined sewer system and improve water quality in area waterways, and reduce and eliminate property damage to both public infrastructure and private property, and

WHEREAS, the City Engineer, David Krock, has prepared an estimate of the engineering, bidding, inspection, testing and construction costs attached here to as the Project Fact Sheet, and

WHEREAS, upon the opening and tabulation of the Public Bid process all construction bids received will be brought before the Board of Control for final approval.

NOW, THEREFORE BE IT ORDAINED BY THE COUNCIL OF THE CITY OF GARFIELD HEIGHTS, OHIO, THAT:

SECTION 1. The City Engineer, David Krock, is hereby authorized and directed to prepare the necessary plans and specifications, per the OHM Advisors Proposal attached hereto as Exhibit "A", and to go out for competitive bids for the East 126th Street & Wolf Creek Interceptor Improvements project, and authorizing the payment of the costs for this project, which costs will be funded by the NEORS MCIP, the NEORS/Community Cost Share Program, and OPWC.

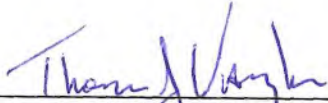
SECTION 2. Upon compilation and tabulation of the bids received for the project, the City Engineer, David Krock, shall present such tabulation to the Board of Control for approval of the required contracts.

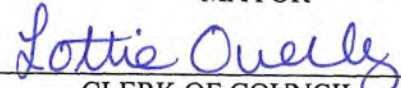
SECTION 3. The Finance Director is hereby authorized and directed to issue her vouchers of the City for the purposes stated in Section 1. hereof, to OHM Advisors for the preparation of the plans, specifications and the public bidding costs of the project in an amount not to exceed \$102,000.00 dollars, performance verification (Requirement of MCIP Funding) \$56,000.00, and for construction administration, management, and inspection in an amount not to exceed \$53,000.00 dollars; and further to the awarded contractor(s) for the estimated construction costs associated with this project in the amount of \$725,000.00 upon the approval of the Board of Control, said vouchers to be charged to the appropriate fund.

SECTION 4. Council declares this Ordinance to be an emergency measure necessary for the preservation of the public health, safety and welfare; therefore, this Ordinance shall be in full force and effect immediately upon the adoption by Council and approval by the Mayor; otherwise from and after the earliest period allowed by law.

PASSED: 2-13-2023

APPROVED: 
MAYOR


PRESIDENT OF COUNCIL

ATTEST: 
CLERK OF COUNCIL

EFFECTIVE DATE: 2-13-2023



The City of Garfield Heights

January, 2023

5407 TURNEY ROAD • GARFIELD HEIGHTS, OHIO 44125 • PHONE 216/475-1504
FAX 216/475-3807

PROJECT FACT SHEET

Name: E 126th St. and Wolf Creek Sewer Interceptor Relocation Project

Limits:	LOCATION	FROM	TO	LENGTH
	E 126 th St.	Near Tinkers Creek Apartments		

Scope: The purpose of this project is to relocate the deteriorated sewer currently located in Wolf Creek behind Tinkers Creek Apartments to E 126th Street.

Costs:	\$ 725,000	Construction
	\$ 102,000	Engineering & Design
	\$ 56,000	MCIP Performance Verification (Requirement of MCIP Funding)
	<u>\$ 53,000</u>	Inspection & Testing
	\$ 936,000	Total Project Cost

Funding:	\$ 670,000	MCIP (NEORS)
	\$ 175,000	OPWC
	\$ 91,000	CCS (NEORS)
	<u>\$ 0</u>	City of Garfield Heights
	\$ 936,000	Total Project Funding

Schedule:	July 2023	OPWC Agreements in place
	February 2023 - October 2023	Engineering Design
	January 2024	Bid & Award
	April 2024	Begin Construction
	December 2024	End Construction

Other: Local lane closures. A portion of E 126th may be closed to traffic during construction.

Questions?

David G. Krock, PE, City Engineer // Mobile: 330.350.0521 // david.krock@ohm-advisors.com
James Sickels, Assistant City Engineer // Mobile: 330.338.5349 // james.sickels@ohm-advisors.com

January 27, 2023

Mayor Matt Burke
City of Garfield Heights
5407 Turney Road
Garfield Heights, OH 44125

RE: East 126th Street & Wolf Creek Interceptor Improvements
Location: Garfield Heights, Ohio
Proposal #21263

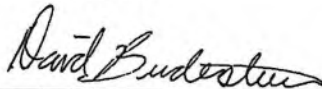
Dear Mayor Burke:

The following scope of services, price proposal, and project schedule which represent our understanding of the project, based upon prior discussions, meetings, and/or additional project information made available at the time of this proposal. Should you have any questions, please let us know.

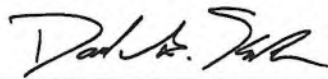
Proposal Outline

Proposal Outline	1
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Sincerely,
OHM Advisors



David Bridenstine, PE, Project Manager
David.bridenstine@ohm-advisors.com
D: 330.913.1054 C: 330.608.9671



David G. Krock, PE
Vice President
David.krock@ohm-advisors.com

OHM Advisors
6001 EUCLID AVENUE SUITE 130
CLEVELAND OHIO 44103

T 216.865.1335

OHM-Advisors.com

Authorization to Proceed

Signature

Printed Name

Title

Project Understanding

The Wolf Creek Interceptor Sewer currently travels northerly within the Wolf Creek stream bed from Interstate 480 to East 128th Street. The sewer is past its useful life and has been exposed in locations throughout the stream bed due to natural stream erosion. Numerous repairs have been made to the interceptor in recent years to prevent stream inflow into the sewer and prevent illicit discharges into the creek. This project will reroute the Wolf Creek Interceptor Sewer downstream of I-480 and route it into the East 126th Street right-of-way to be carried back to the existing interceptor at the intersection of East 126th Street and Marymount Village Drive. The existing interceptor within the Creek will be abandoned. Sewer servicing the Tinker's Creek Apartment Homes will be rebuilt to route the sanitary flow from the creek to the relocated interceptor on East 126th Street. Full lane replacement of East 126th Street will be performed where sanitary sewer is replaced. This fee proposal includes topographical survey, design engineering, bidding services, and construction administration, in accordance with the scoped tasks described herein.

Scope of Services - Information Gathering Tasks

Task #1 Topographic & Right-of-Way Survey

- The following services are included in the fee shown:
 - Limits of Survey:
 - East 126th Street from the northern most point of the I-480 entrance ramp to the sanitary manhole north of Marymount Village Drive, approximately 650 lineal feet.
 - The ODOT limited access right-of-way from the northern property limits to 50' south of the property limits, and from East 126th Street to 20 feet beyond the existing Wolf Creek Sanitary Interceptor, approximately 0.25 Acres
 - Tinkers Creek Apartment Homes, 20 feet from each side of the existing sanitary sewer from East 126th Street to Wolf Creek, approximately 0.65 Acres
 - Data Collected:
 - All existing utilities (overhead and underground), as marked by OUPS
 - All street pavement and curbs
 - Driveways, hard surfaces, landscape areas, trees, bushes, etc.
 - Contour elevations
 - Other important topographic features that might impact construction
 - Determine right-of-way and easement boundaries, in relation to proposed work.
 - This information will be collected and provided in an AutoCAD format for use in design

Task #2 Utility Easement Research

- The following services are included in the fee shown:
 - Research of existing utility easements adjacent to the current right of way
 - Meetings and coordination with the County Recorder's Office
 - Meetings and coordination with the County Engineer's Office
 - Contact existing utility owners.
 - Review easement research and show on the base map.

Task #3 Easement Preparation

- The following services are included in the fee shown:
 - Prepare easement exhibit and legal description for proposed easements on private property
 - Prepare legal instrument for county recording
 - Utilize ODOT's standard forms for LPA projects

This task does not include cost negotiations or recording fee

Scope of Services - EWRG Tasks

Task #20 Flow Monitoring & Analysis

- The following services are included in the fee shown:
 - The Northeast Ohio Regional Sewer District (NEORSRD) requires its member communities to conduct project performance verification to document how Member Community Infrastructure Program (MCIP) projects perform. To meet the suggested project performance verification for this sanitary sewer replacement project, flow monitoring will be conducted for a three-month duration both pre-construction and post-construction. Specific work efforts of this task include the following:
 - Project specific health and safety plan
 - Flow meter pre-installation site investigation to determine installation feasibility
 - Provide for traffic control and safety during site visits (assume that only minor traffic control is needed)
 - Install and calibrate one (1) flow meter pre- and post-construction in local manhole SA21BGDC0
 - Collect and record the following flow data in 5-minute intervals for a duration up to three months:
 - Depth
 - Velocity
 - Flow
 - Maintain and service flow meter, including battery replacements and calibrations, as needed
 - Perform data downloads (manual data downloads every 2-3 weeks)
 - Request rainfall data from NEORSRD owned rain gauges
 - Import flow meter and rainfall data into H2Ometrics analysis platform
 - Review of manual data downloads
 - Edit flow meter data using H2Ometrics analysis platform, as needed
 - Uninstall meter at conclusion of both monitoring periods
 - Evaluate pre- and post- construction data
 - Deliverables include:
 - Site installation forms (PDF)
 - Site maintenance and service records (PDF)
 - NEORSRD rain gauge data in 5-minute intervals (.csv file)
 - Raw and edited flow monitoring data in 5-minute intervals (.csv file)
 - Rainfall-derived inflow and infiltration evaluation technical memorandum (PDF)

Scope of Services - Engineering Tasks

Task #56 Pre-Design & Field Analysis

- The following services are included in the fee shown:
 - Analysis
 - The engineer shall utilize the field review to verify conditions for construction, maintaining traffic, repair/replacement effort, and to make notations of specific areas of concern and caution for the contractor.
 - Recommendation
 - The engineer will provide limits and type of work to be performed on designated streets along with associated construction estimates to aid in project decision making.

Task #58 Schematic Design

- The following services are included in the fee shown:
 - Schematic design of sewer replacement/repair, water line replacement (if applicable), storm sewer replacement, and pavement repair, and resurfacing
 - Initial plan view layout
 - Initial sanitary sewer layout
 - Initial analysis of vehicular and pedestrian traffic issues
 - Initial analysis of site impacts, beyond the roadway including driveways, side streets, and adjacent property
 - Preparation of Schematic level construction cost estimate
 - Coordination of initial design concepts with public agencies, including:
 - City of Garfield Heights Administration
 - Cuyahoga County Public Works
 - NEORS
 - Submittal of Schematic Design Plans to Private Utility Companies for initial coordination of impacts/conflicts with their facilities for purposes of relocation.

Task #59 Design Development

- The following services are included in the fee shown:
 - Design Development of storm and sanitary sewer replacement, pavement reconstruction, curb, walk, and drive apron replacement
 - Street Design
 - Pavement section, width, and profile
 - Sanitary Sewer Design
 - Plan and profile design of sanitary sewer
 - Storm Sewer Design
 - Maintenance of Traffic Design
 - Preparation of lane use details
 - Preparation of local detours and signage
 - Preparation of local access details
 - Preparation of plan sheets showing MOT plan
 - Preparation of Design Development level construction cost estimate

- Coordination of DD level plans with public agencies, including:
 - City of Garfield Heights Administration
 - Cuyahoga County Public Works
 - Cleveland Water Department, if applicable
 - NEORS
- Submittal of Design Development Plans to private utility companies for further coordination of impacts/conflicts with their facilities for purposes of relocation.

Task #60 Construction Documents

- The following services are included in the fee shown:
 - Preparation of Construction Documents shall be as follows:
 - Title Sheet
 - Legend Sheet
 - Schematic Plan
 - Typical Section
 - General Notes & Specifications
 - Maintenance of Traffic Plan & Details
 - General Summary
 - Plan & Profile Sheets
 - Cross Sections
 - Drive Detail Sheets
 - Storm Sewer Crossings Profile Sheet
 - Construction Details
 - Cuyahoga County & NEORS Sewer Detail Sheets
 - SWPPP Site Plan
 - Design will include all details and specifications required for public bidding of a unit price contract, in accordance with industry standards.
 - Coordination and approval of Final Construction plans with public agencies, including:
 - City of Garfield Heights Administration
 - Cuyahoga County Public Works
 - Cleveland Water Department, if applicable
 - NEORS
 - Submittal of Final Construction plans to Private Utility Companies for follow-up and final coordination of impacts/conflicts with their facilities for purposes of relocation.

Task #61 Stakeholder Coordination Exhibits & Meetings

- The following services are included in the fee shown:
 - Project Exhibits
 - The engineer shall create project exhibits to aid in the Stakeholder Coordination process that includes presentation and discussion of proposed work and construction impacts to the stakeholders.
 - Meetings
 - Five (5) meetings are anticipated in order to facility project coordination with stakeholders. Project Stakeholders include:
 - Ohio Department of Transportation
 - Marymount Hospital
 - Trinity High School
 - Tinker's Creek Apartment Homes

Task #90 Official Engineer's Project Cost Estimate

- The following services are included in the fee shown:
 - Determination of Estimated Quantities for Construction
 - Evaluation and Estimate of Construction Costs for use with Public Bidding Requirements

Scope of Services - Bidding & Award Tasks

Task #151 Bidding & Contract Documents

- The following services are included in the fee shown:
 - Preparation of bid documents including legal advertisement, instructions to bidders, bid forms, contract forms and affidavits, prevailing wage forms, EEO forms, scope of work, schedule, and other Owner forms and requirements to be added to the public bidding process.
 - These documents will be 100% complete, ready for bidding of the Public Project.
 - Bid books will be made available for purchasing by bidders
 - Contract Documents
 - Upon receiving community legislation to award the construction bid, OHM will prepare (3) three copies of contract documents for execution, bonding, insurance, etc.
 - OHM will prepare the notice of commencement for signature(s)

Task #152 Bid Process, Review, & Award

- The following services are included in the fee shown:
 - Addendums/Clarifications
 - This activity is necessary to provide written explanation to all bidders for any questions regarding the bid documents and plans.
 - Depending upon the size and complexity of the project, multiple addendums/clarifications may be required for the project.
 - OHM will prepare addendums/clarifications and any necessary supporting documents and distribute to plan holders.
 - Post-Bid Activities
 - Evaluation of bids and contractor qualifications
 - Pre-Award Meeting to review all bid items with apparent low bidder
 - Recommendation of Award to the Owner
 - The fee provided includes one bidding process only. In the event the project needs re-bid, a contract modification will be submitted for the additional bidding services provided. Additional services will commence upon approval of the contract modification.

Scope of Services - Construction Services Tasks

Task #175 Pre-Construction Services

- The following services are included in the fee shown:
 - Obtain signatures on work agreements
 - Pre-construction meeting
 - Coordination with Contractor, Utilities, Safety Forces, Residents, and Businesses
 - Personnel coordination and project schedule
 - Perform materials, suppliers, and shop drawing reviews and communicate revisions/approvals with contractor
 - Review contractual items
 - Distribution of documents/information (meeting records)

OHM Advisors

6001 EUCLID AVENUE SUITE 130
CLEVELAND OHIO 44103

T 216.865.1335

OHM-Advisors.com

Task #176 Construction Services

- The following services are included in the fee shown:
 - Coordination with Contractor, Utilities, Safety Forces, Residents, and Businesses
 - Prepare daily inspection reports
 - Regular progress meetings with contractor
 - Inspection and testing services
 - Response to RFIs (request for information) from contractor
 - Review of pay requests and recommendations for payment
 - Negotiation of Change Orders
 - Prevailing Wage Verification
 - Coordination of Funding Reimbursements
 - Staffing will include the following:
 - Construction Inspector: On-Site during all working hours of construction
 - Field Client Representative: On-site weekly reviews with construction inspector, and Off-Site Coordination via phone with Inspector, Contractors, Owner and Construction Manager
 - Construction Manager: On-site Reviews as needed/Off-Site Coordination with Inspector, Contractors, and Owner where possible via phone to control costs
 - Construction Engineer: Involved on an as-needed basis to facilitate field decisions and design-related issues.
 - Construction Administrative Assistant: Coordination of all documentation from pre-construction, contracts, pay requests, and close-out documents.
 - Typical Weekly Staffing for a 40-hour/week construction project is approx.:

• Construction Inspector:	40 Hours
• Field Client Representative	8 Hours
• Construction Manager:	4 Hours
• Construction Engineer:	1 Hour
• Construction Admin:	2 Hours
 - Total Budget Cost per 40-hour week Project = \$ 5,800
 - Total Cost is therefore directly related to the time duration of the construction project.

Task #177 Post-Construction Services

- The following services are included in the fee shown:
 - Review of final construction with contractor and Owner
 - Preparation, distribution, and approval of final punch list
 - Review of As-Built Drawings
 - Maintenance Bond Coordination
 - Lien releases, payments, and final acceptance

Task #178 Additional Construction Services (If Authorized)

- This task has been included as an "If Authorized" fee in the event that one or more of the following conditions occur:
 - The Contractor's work schedule exceeds the number of weeks shown above in the Project Schedule.
 - The Contractor's work schedule includes work weeks exceeding 40 hours.
 - The Contractor's work process requires multiple work crews and therefore multiple inspectors on-site simultaneously.
 - The Contractor is granted extra time (time extension) to complete the project.
 - The Contractor is awarded a change order for additional work or changed work conditions.
- If any of the above conditions apply, the Engineer shall document and estimate the total cost to complete the additional inspection services and request authorization/approval from the Owner to cover these costs.

Price Proposal

#	Information Gathering Tasks	Fee
Task #1	Topographic & Right-of-Way Survey	\$10,000
Task #2	Utility Easement Research	\$1,000
Task #3	Easement Preparation	\$2,400
	Subtotal =	\$13,400
#	EWRG Tasks	Fee
Task #20	Flow Monitoring & Analysis	\$56,000
	Subtotal =	\$56,000
#	Design Tasks	Fee
Task #56	Pre-Design & Field Analysis	\$6,500
Task #58	Schematic Design	\$18,600
Task #59	Design Development	\$24,300
Task #60	Construction Documents	\$25,000
Task #61	Stakeholder Involvement Exhibits & Meetings	\$6,250
Task #90	Official Engineer's Project Cost Estimate	\$ 1,500
	Subtotal =	\$82,150
#	Bidding & Award Tasks	Fee
Task #151	Bidding & Contract Documents	\$3,000
Task #152	Bid Process, Review & Award	\$3,000
	Subtotal =	\$ 6,000
#	Construction Services Tasks	Fee
Task #175	Pre-Construction Services	\$ 2,500
Task #176	Construction Services	\$48,000
Task #177	Post Construction Services	\$ 2,500
Task #178	Additional Construction Services (If Authorized)	TBD
	Subtotal =	\$53,000
	Grand Total =	\$210,550

Compensation

The price proposal above will be billed as a mixed fee project with the following breakdown:

- Information Gathering tasks, Engineering tasks, & Bidding & Award tasks will be billed on a lump sum basis.
- Construction Tasks will be billed as follows
 - Task #175 & Task #177 will be billed on a lump sum basis.
 - Task #176 and Task #178 (If Authorized) will be billed at the Standard Hourly Rates.
 - Fee shown represents (8) eight weeks (40 working days) of full-time Construction Services per the Contractor's anticipated work schedule. See task #176 on prior page for itemized breakdown of weekly Construction Services costs.

Anticipated Project Schedule

Information Gathering Tasks: February 2023

EWRG Tasks (Pre-construction): March – June 2023

Design Tasks: March – October 2023

Bidding & Award Tasks: November 2023 – January 2024

Construction Tasks: April – July 2024

EWRG Tasks (Post-construction): August – December 2024

Clarifications & Assumptions

- Our Proposal was prepared based on the following assumptions:
 - If additional labor effort or change in schedule is required beyond described herein, OHM Advisors will negotiate an amendment with the City of Garfield Heights. OHM Advisors will not proceed with additional services without written authorization to proceed from the City of Garfield Heights.
 - Meetings shall be conducted in accordance with the Scope of Services as described herein. Additional meetings, not described within our Scope of Services, shall be considered additional services and will be billed on an hourly basis under the Additional As-Needed Services Allowance upon agreement with the City of Garfield Heights.

Client Responsibilities

- City of Garfield Heights will provide a single point of contact to OHM Advisors who is knowledgeable about the project needs and desired outcomes.
- City of Garfield Heights will provide the following, if available, to assist us with the project: (prior as-builts and existing plans, plat maps, site surveys indicating site boundaries, existing topography, access to structures, easements and utility line information, utility availability, building information, etc.)

Terms & Conditions

The Terms and Conditions contained in the Annual Engineering contract per ordinance number 104-2022 shall also apply to this contract.

- Donahue
Go to A 2nd Reading
Three Readings

ORDINANCE NO.: 10-2023

SPONSORED BY: COUNCILMAN TOM VAUGHN

CO-SPONSORED BY: COUNCILMAN CHARLES DONAHUE

AN ORDINANCE FIXING THE SALARY OF THE MAYOR OF THE
CITY OF GARFIELD HEIGHTS, OHIO.

NOW, THEREFORE, BE IT ORDAINED by the Council of the City of Garfield Heights, Ohio,
that:

SECTION 1. Effective December 1, 2025, the annual salary of the successful candidate for the
office of Mayor in the November 2025 election shall be One Hundred Thousand Dollars (\$100,000.00)
per annum, starting December 1, 2025 for the purpose of Section 20 of the Charter of the City of Garfield
Heights, Ohio.

SECTION 2. The Mayor will be entitled to health care and all fringe benefits as provided by
the Personnel Policies and Procedures Ordinance of the City.

SECTION 3. Ordinance 17-2021 of the City of Garfield Heights, Ohio, as it presently reads be
and the same hereby repealed.

SECTION 4. This Ordinance shall take effect and be in full force on December 1, 2025.

PASSED: _____

APPROVED: _____
MAYOR PRESIDENT OF COUNCIL

ATTEST: _____ EFFECTIVE DATE: _____
CLERK OF COUNCIL

ESS. 2-13-2023
adopted 2-13-2023
P. 7-0

ORDINANCE NO.: 11-2023

SPONSORED BY:

Cosponsored

MAYOR MATTHEW A. BURKE

All of Council

AN EMERGENCY ORDINANCE CREATING SECTION 141.20, *COFFEE, MEALS, ETC.*, OF THE GARFIELD HEIGHTS CODIFIED ORDINANCES FOR THE PURPOSE OF AUTHORIZING THE CHIEF FISCAL OFFICER FOR THE CITY TO PAY FOR COFFEE, MEALS, REFRESHMENTS, AND OTHER AMENITIES WHICH ARE CONSIDERED FRINGE BENEFITS FOR MUNICIPAL OFFICERS AND EMPLOYEES OF THE CITY

WHEREAS, Chapter 141 of the Garfield Heights Codified Ordinances details the compensation that City employees are permitted to receive, and

WHEREAS, Chapter 141 does not permit the City to purchase basic refreshments for employees for events such as seminars, working-lunches, and work-related training, and

WHEREAS, at this time, the Mayor wishes to amend Chapter 141 to permit the City's Chief Fiscal Officer to pay for coffee, meals, refreshments, and other amenities which are considered fringe benefits for municipal officers and employees, so long as such purchases are properly appropriated.

NOW, THEREFORE BE IT ORDAINED by the Council of the City of Garfield Heights, Ohio that:

SECTION 1. Section 141.20, *Coffee, Meals, Etc.*, of the Garfield Heights Codified Ordinances shall read as follows:

141.20 COFFEE, MEALS, ETC.

The Chief Fiscal Officer, upon proper appropriation, is authorized to pay for coffee, meals, refreshments and other amenities which are considered fringe benefits for municipal officers and employees of the City.

SECTION 2. Section 141.20, *Coffee, Meals, Etc.*, is hereby adopted into the Codified Ordinances of the City of Garfield Heights.

SECTION 3. Council declares this Ordinance to be an emergency measure necessary for the preservation of the health, safety, and welfare of the citizens of the City of Garfield Heights; this Ordinance shall take effect immediately upon its passage and approval by the Mayor, otherwise from and after the earliest period allowed by law.

PASSED: 2-13-2023

APPROVED: Matthew A. Burke
MAYOR

Therese V. Varga
PRESIDENT OF COUNCIL

ATTEST: Lottie Overly
CLERK OF COUNCIL

EFFECTIVE DATE: 2-13-2023

adopted 2-13-2023
eff 2-13-2023
P. 7-0

ORDINANCE NO.: 12-2023

SPONSORED BY: MAYOR MATTHEW A. BURKE

Cosponsored

All of Council

AN EMERGENCY ORDINANCE AUTHORIZING AND DIRECTING THE MAYOR OR HIS DESIGNEE TO ENTER INTO AN AGREEMENT WITH I2C TECHNOLOGIES, LTD. FOR THE PURCHASE OF SECURITY CAMERAS FOR ALL MUNICIPAL BUILDINGS

WHEREAS, The City of Garfield Heights utilizes security cameras throughout the inside and outside of all municipal buildings and complexes, and

WHEREAS, much of the equipment currently being used is outdated, or in some cases, no longer fully functioning, and

WHEREAS, at this time, the City wishes to utilize a portion of the ARPA grant funding it has received to purchase and install new cameras throughout all city buildings and municipal complexes, and

WHEREAS, per Ohio Revised Code Section 125.04(C) governmental agencies may purchase equipment/services without bidding so long as the equipment/service has been purchased for less than or equal to the cost of the state contract, and

WHEREAS, accordingly, the City wishes to enter into an agreement with I2C Technologies, Ltd. to purchase said cameras upon equivalent terms, conditions, and specifications through State of Ohio, Department of Administrative Services, Contract #STS #800890 at a total cost not to exceed \$172,000.00; the entire amount will be paid for with ARPA grant funding.

NOW, THEREFORE, BE IT ORDAINED by the Council of the City of Garfield Heights, Ohio, that:

SECTION 1. The Mayor or his designee is hereby authorized and directed to enter into an agreement with I2C Technologies, Ltd. in a total amount not to exceed \$172,000.00 (quotation attached hereto as Exhibit A and incorporated as if fully written within) for the aforementioned purposes.

SECTION 2. The Finance Director is hereby authorized and directed to issue her vouchers of the City for the purpose set forth in Section 1 hereof, said amount to be charged to the appropriate Fund.

SECTION 3. Council declares this Ordinance to be an emergency measure necessary for the preservation of the public health, safety and welfare; therefore, this Ordinance shall be in full force and effect immediately upon the adoption by Council and approval by the Mayor; otherwise from and after the earliest period allowed by law.

PASSED: 2-13-2023

APPROVED: *Matthew A. Burke*
MAYOR

Thomas J. Van
PRESIDENT OF COUNCIL

ATTEST: *Lothe Overly*
CLERK OF COUNCIL

EFFECTIVE DATE: 2-13-2023



i2c Security Proposal

Garfield Heights

I2C Technologies, LTD
413 Applegrove St. NW
North Canton, Ohio 44720
Phone: (888) 422-7749
Email: Sales@i2ctech.com
Web: www.i2ctech.com

Camera Project

12/19/22

Item #	Description	STS Unit Price	Qty	Ext Price
Police Department - Indoor Fixed Position Cameras (Cells)				
1	AXIS M4216-LV - Compact, varifocal, D/N mini dome with built-in IR illumination and dust- and vandal-resistant casing for easy indoor mounting. 3-6 mm lens with remote zoom and focus simplifying the installation. Multiple, individually configurable H.264, H.265 and Motion JPEG streams; 4MP in 4:3, 3MP in 16:9, max 30 fps with WDR. Zipstream for reduced bandwidth and storage. Includes a Deep Learning Processing Unit (DPLU) for advanced analytics. Axis Object Analytics, video motion detection and active tampering alarm. HDMI output (micro). MicroSD memory card slot for optional local video storage. AXIS Edge Vault for increased Cyber Security	\$ 508.62	17	\$ 8,646.54
2	AXIS TM3817 TAMPER-RESISTANT COVER	\$ 57.82	5	\$ 289.10
3	Camera Configuration Setup and Training - Per Camera Installed on System	\$ 58.80	17	\$ 999.60
4	Installation and Configuration	\$ 110.00	17	\$ 1,870.00
5	Cabling	\$ 250.00	17	\$ 4,250.00
Police Department - Indoor Fixed Position Cameras (Non-Cell)				
6	AXIS M4216-LV - Compact, varifocal, D/N mini dome with built-in IR illumination and dust- and vandal-resistant casing for easy indoor mounting. 3-6 mm lens with remote zoom and focus simplifying the installation. Multiple, individually configurable H.264, H.265 and Motion JPEG streams; 4MP in 4:3, 3MP in 16:9, max 30 fps with WDR. Zipstream for reduced bandwidth and storage. Includes a Deep Learning Processing Unit (DPLU) for advanced analytics. Axis Object Analytics, video motion detection and active tampering alarm. HDMI output (micro). MicroSD memory card slot for optional local video storage. AXIS Edge Vault for increased Cyber Security	\$ 508.62	17	\$ 8,646.54
7	Camera Configuration Setup and Training - Per Camera Installed on System	\$ 58.80	17	\$ 999.60
8	Installation and Configuration	\$ 110.00	17	\$ 1,870.00
9	Cabling	\$ 250.00	17	\$ 4,250.00
Police Department - Indoor Fixed Position Cameras (Gun Range)				
10	AXIS M4216-LV - Compact, varifocal, D/N mini dome with built-in IR illumination and dust- and vandal-resistant casing for easy indoor mounting. 3-6 mm lens with remote zoom and focus simplifying the installation. Multiple, individually configurable H.264, H.265 and Motion JPEG streams; 4MP in 4:3, 3MP in 16:9, max 30 fps with WDR. Zipstream for reduced bandwidth and storage. Includes a Deep Learning Processing Unit (DPLU) for advanced analytics. Axis Object Analytics, video motion detection and active tampering alarm. HDMI output (micro). MicroSD memory card slot for optional local video storage. AXIS Edge Vault for increased Cyber Security	\$ 508.62	1	\$ 508.62
11	Camera Configuration Setup and Training - Per Camera Installed on System	\$ 58.80	1	\$ 58.80
12	Installation and Configuration	\$ 110.00	1	\$ 110.00
13	Cabling	\$ 250.00	1	\$ 250.00
Police Department - Indoor Fixed Position Cameras (Booking w/ Audio)				
14	AXIS M5075-G - Ceiling-mount mini PTZ dome camera with 5x Optical zoom and autofocus, HDTV 1080p (1920x1080) 30fps in H.264/H.265 with Zipstream and Motion JPEG. IP51 protection against dust and water. Wireless I/O connectivity with Z-Wave Plus® gateway for home automation devices. Text overlay from Z-wave sensors. Featuring a built-in microphone, includes built-in analytics such as scream detection.	\$ 636.02	1	\$ 636.02
15	Camera Configuration Setup and Training - Per Camera Installed on System	\$ 58.80	1	\$ 58.80
16	Installation and Configuration	\$ 110.00	1	\$ 110.00
17	Cabling	\$ 250.00	1	\$ 250.00
Police Department - 360 Degree Camera (Sally Port)				
18	AXIS M3058-PLVE - 360°/180° fixed dome with 12 MP sensor and support for Forensic WDR, Lightfinder and OptimizedIR illumination. Vandal-resistant casing in flat design, for outdoor or indoor installation. Provides complete 360° overview in up to 20 fps with WDR and 30 fps with WDR disabled. Dewarped panorama, quad, corner, corridor and up to four digital PTZ views. Client-side dewarping also supported. Multiple, individually configurable H.264 and Motion JPEG streams, Zipstream for reduced bandwidth and storage. Video motion detection and active tampering alarm. Supervised input / digital output for alarm / event handling. Memory card slot for optional local video storage. Power over Ethernet.	\$ 900.62	1	\$ 900.62
19	Camera Configuration Setup and Training - Per Camera Installed on System	\$ 58.80	1	\$ 58.80

20	Installation and Configuration	\$	110.00	1	\$	110.00
21	Cabling	\$	250.00	1	\$	250.00
Police Department - Pan-Tilt-Zoom Cameras						
22	AXIS Q6135-LE. - PTZ camera with continues 360° pan and build in IR illumination (660ft) with 32x optical zoom, Autofocus and Focus Recall. HDTV 1080p @ 60fps (1920x1080) in Motion JPEG, H.264, H.265, and Axis Zipstream. Day & Night, IP66, NEMA 4X and NEMA TS2 classification. Full-size SD-card slot. Perfect image quality in all directions without distortion. WDR, EIS, Speed dry. Includes Advanced gate keeper and analytics. Repaintable surface. Midspan with fiber slot and RJ45 input included.	\$	2,596.02	3	\$	7,788.06
23	AXIS T91L61 WALL-AND-POLE MOUNT	\$	116.62	3	\$	349.86
24	AXIS T91A64 BRACKET CORNER	\$	87.22	3	\$	261.66
25	Camera Configuration Setup and Training - Per Camera Installed on System	\$	58.80	3	\$	176.40
26	Installation and Configuration	\$	110.00	3	\$	330.00
27	Cabling	\$	250.00	3	\$	750.00
Police Department - Server						
28	AXIS Camera Station S1232 Rack 16 TB is an out-of-the-box ready recording server validated for reliable ultra high-definition recording. For quick and easy installation, AXIS S1232 Rack 16 TB is preconfigured and preloaded with AXIS Camera Station video management software including licenses for 32 devices plus all necessary software. The AXIS Recorder Toolbox and its installation wizard will ensure every customer installation is quick and trouble-free. With redundant enterprise-grade hard drives and power supplies, operating system stored on solid-state drive (SSD) and built-in operating system recovery, AXIS S1232 Rack 16 TB provides high-performance and reliability for your system. Furthermore, the FIPS 140-2 compliant TPM guarantees a high security level by encryption of the data at rest.	\$	6,859.02	1	\$	6,859.02
Civic Center- Indoor Fixed Position Cameras						
29	AXIS M4216-LV - Compact, varifocal, D/N mini dome with built-in IR illumination and dust- and vandal- resistant casing for easy indoor mounting. 3-6 mm lens with remote zoom and focus simplifying the installation. Multiple, individually configurable H.264, H.265 and Motion JPEG streams; 4MP in 4:3, 3MP in 16:9, max 30 fps with WDR. Zipstream for reduced bandwidth and storage. Includes a Deep Learning Processing Unit (DPLU) for advanced analytics. Axis Object Analytics, video motion detection and active tampering alarm. HDMI output (micro). MicroSD memory card slot for optional local video storage. AXIS Edge Vault for increased Cyber Security	\$	508.62	11	\$	5,594.82
30	Camera Configuration Setup and Training - Per Camera Installed on System	\$	58.80	11	\$	646.80
31	Installation and Configuration	\$	110.00	11	\$	1,210.00
32	Cabling	\$	250.00	11	\$	2,750.00
Civic Center- Outdoor Fixed Position Cameras						
33	AXIS P3268-LVE - High-performance fixed dome camera with Deep Learning Processing Unit (DPLU). Forensic WDR, Lightfinder 2.0 and Optimized IR. Discreet, dust- and IK10 vandal-resistant outdoor casing. Varifocal 3-8 mm P-Iris lens with remote zoom and focus. Multiple, individually configurable streams, H.264/H.265 with Zipstream and Motion JPEG. 8MP 4K stream in 16:9 up to 30fps. AXIS Object Analytics, Video motion detection and tampering alarm. Two-way audio and audio detection. Supervised digital input / digital output for alarm / event handling. MQTT support. Axis Edge Vault for added cyber security. Built in case open switch. MicroSD memory card slot for local storage. Powered by IEEE 802.3af/802.3at Type 1 Class 3. Extended temperature range. Includes mounting bracket and weather shield.	\$	1,028.02	8	\$	8,224.16
34	Camera Configuration Setup and Training - Per Camera Installed on System	\$	58.80	8	\$	470.40
35	Installation and Configuration	\$	110.00	8	\$	880.00
36	Cabling	\$	250.00	8	\$	2,000.00

Civic Center - Server

37	AXIS Camera Station S1232 Rack 16 TB is an out-of-the-box ready recording server validated for reliable ultra high-definition recording. For quick and easy installation, AXIS S1232 Rack 16 TB is preconfigured and preloaded with AXIS Camera Station video management software including licenses for 32 devices plus all necessary software. The AXIS Recorder Toolbox and its installation wizard will ensure every customer installation is quick and trouble-free. With redundant enterprise-grade hard drives and power supplies, operating system stored on solid-state drive (SSD) and built-in operating system recovery, AXIS S1232 Rack 16 TB provides high-performance and reliability for your system. Furthermore, the FIPS 140-2 compliant TPM guarantees a high security level by encryption of the data at rest.	\$	6,859.02	1	\$	6,859.02
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Civic Center - Pan-Tilt-Zoom Cameras

38	AXIS Q6135-LE - PTZ camera with continues 360° pan and build in IR illumination (660ft) with 32x optical zoom, Autofocus and Focus Recall. HDTV 1080p @ 60fps (1920x1080) in Motion JPEG, H.264, H.265, and Axis Zipstream. Day & Night, IP66, NEMA 4X and NEMA TS2 classification. Full-size SD-card slot. Perfect image quality in all directions without distortion. WDR, EIS, Speed dry. Includes Advanced gate keeper and analytics. Repaintable surface. Midspan with fiber slot and RJ45 input included.	\$	2,596.02	1	\$	2,596.02
39	AXIS T91L61 WALL-AND-POLE MOUNT	\$	116.62	1	\$	116.62
40	AXIS T91A64 BRACKET CORNER	\$	87.22	1	\$	87.22
41	Camera Configuration Setup and Training - Per Camera Installed on System	\$	58.80	1	\$	58.80
42	Installation and Configuration	\$	110.00	1	\$	110.00
43	Cabling	\$	250.00	1	\$	250.00

Rec Center- Indoor Fixed Position Cameras

44	AXIS M4216-LV - Compact, varifocal, D/N mini dome with built-in IR illumination and dust- and vandal-resistant casing for easy indoor mounting. 3-6 mm lens with remote zoom and focus simplifying the installation. Multiple, individually configurable H.264, H.265 and Motion JPEG streams; 4MP in 4:3, 3MP in 16:9, max 30 fps with WDR. Zipstream for reduced bandwidth and storage. Includes a Deep Learning Processing Unit (DPLU) for advanced analytics. Axis Object Analytics, video motion detection and active tampering alarm. HDMI output (micro). MicroSD memory card slot for optional local video storage. AXIS Edge Vault for increased Cyber Security	\$	508.62	10	\$	5,086.20
45	Camera Configuration Setup and Training - Per Camera Installed on System	\$	58.80	10	\$	588.00
46	Installation and Configuration	\$	110.00	10	\$	1,100.00
47	Cabling	\$	250.00	10	\$	2,500.00

Rec Center- Outdoor Fixed Position Cameras

48	AXIS P3268-LVE - High-performance fixed dome camera with Deep Learning Processing Unit (DPLU). Forensic WDR, Lightfinder 2.0 and Optimized IR. Discreet, dust- and IK10 vandal-resistant outdoor casing. Varifocal 3-8 mm P-Iris lens with remote zoom and focus. Multiple, individually configurable streams, H.264/H.265 with Zipstream and Motion JPEG. 8MP 4K stream in 16:9 up to 30fps. AXIS Object Analytics, Video motion detection and tampering alarm. Two-way audio and audio detection. Supervised digital input / digital output for alarm / event handling. MQTT support. Axis Edge Vault for added cyber security. Built in case open switch. MicroSD memory card slot for local storage. Powered by IEEE 802.3af/802.3at Type 1 Class 3. Extended temperature range. Includes mounting bracket and weather shield.	\$	1,028.02	11	\$	11,308.22
49	Camera Configuration Setup and Training - Per Camera Installed on System	\$	58.80	11	\$	646.80
50	Installation and Configuration	\$	110.00	11	\$	1,210.00
51	Cabling	\$	250.00	8	\$	2,000.00

Fire Dept #1- Indoor Fixed Position Cameras

52	AXIS M4216-LV - Compact, varifocal, D/N mini dome with built-in IR illumination and dust- and vandal-resistant casing for easy indoor mounting. 3-6 mm lens with remote zoom and focus simplifying the installation. Multiple, individually configurable H.264, H.265 and Motion JPEG streams; 4MP in 4:3, 3MP in 16:9, max 30 fps with WDR. Zipstream for reduced bandwidth and storage. Includes a Deep Learning Processing Unit (DPLU) for advanced analytics. Axis Object Analytics, video motion detection and active tampering alarm. HDMI output (micro). MicroSD memory card slot for optional local video storage. AXIS Edge Vault for increased Cyber Security	\$	508.62	7	\$	3,560.34
53	Camera Configuration Setup and Training - Per Camera Installed on System	\$	58.80	7	\$	411.60
54	Installation and Configuration	\$	110.00	7	\$	770.00
55	Cabling	\$	250.00	7	\$	1,750.00

Fire Dept #1- Outdoor Fixed Position Cameras

56	AXIS P3268-LVE - High-performance fixed dome camera with Deep Learning Processing Unit (DLPU). Forensic WDR, Lightfinder 2.0 and Optimized IR. Discreet, dust- and IK10 vandal-resistant outdoor casing. Varifocal 3-8 mm P-Iris lens with remote zoom and focus. Multiple, individually configurable streams, H.264/H.265 with Zipstream and Motion JPEG. 8MP 4K stream in 16:9 up to 30fps. AXIS Object Analytics, Video motion detection and tampering alarm. Two-way audio and audio detection. Supervised digital input / digital output for alarm / event handling. MQTT support. Axis Edge Vault for added cyber security. Built in case open switch. MicroSD memory card slot for local storage. Powered by IEEE 802.3af/802.3at Type 1 Class 3. Extended temperature range. Includes mounting bracket and weather shield.	\$	1,028.02	11	\$	11,308.22
57	Camera Configuration Setup and Training - Per Camera Installed on System	\$	58.80	11	\$	646.80
58	Installation and Configuration	\$	110.00	11	\$	1,210.00
59	Cabling	\$	250.00	11	\$	2,750.00

Fire Dept. #1 - Pan-Tilt-Zoom Cameras

60	AXIS Q6135-LE - PTZ camera with continues 360° pan and build in IR illumination (660ft) with 32x optical zoom, Autofocus and Focus Recall. HDTV 1080p @ 60fps (1920x1080) in Motion JPEG, H.264, H.265, and Axis Zipstream. Day & Night, IP66, NEMA 4X and NEMA TS2 classification. Full-size SD-card slot. Perfect image quality in all directions without distortion. WDR, EIS, Speed dry. Includes Advanced gate keeper and analytics. Repaintable surface. Midspan with fiber slot and RJ45 input included.	\$	2,596.02	1	\$	2,596.02
61	AXIS T91L61 WALL-AND-POLE MOUNT	\$	116.62	1	\$	116.62
62	AXIS T91A64 BRACKET CORNER	\$	87.22	1	\$	87.22
63	Camera Configuration Setup and Training - Per Camera Installed on System	\$	58.80	1	\$	58.80
64	Installation and Configuration	\$	110.00	1	\$	110.00
65	Cabling	\$	250.00	1	\$	250.00

Fire Department #1 - Server

66	AXIS Camera Station S1232 Rack 16 TB is an out-of-the-box ready recording server validated for reliable ultra high-definition recording. For quick and easy installation, AXIS S1232 Rack 16 TB is preconfigured and preloaded with AXIS Camera Station video management software including licenses for 32 devices plus all necessary software. The AXIS Recorder Toolbox and its installation wizard will ensure every customer installation is quick and trouble-free. With redundant enterprise-grade hard drives and power supplies, operating system stored on solid-state drive (SSD) and built-in operating system recovery, AXIS S1232 Rack 16 TB provides high-performance and reliability for your system. Furthermore, the FIPS 140-2 compliant TPM guarantees a high security level by encryption of the data at rest.	\$	6,859.02	1	\$	6,859.02
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Fire Dept #2- Outdoor Fixed Position Cameras

67	AXIS P3268-LVE - High-performance fixed dome camera with Deep Learning Processing Unit (DLPU). Forensic WDR, Lightfinder 2.0 and Optimized IR. Discreet, dust- and IK10 vandal-resistant outdoor casing. Varifocal 3-8 mm P-Iris lens with remote zoom and focus. Multiple, individually configurable streams, H.264/H.265 with Zipstream and Motion JPEG. 8MP 4K stream in 16:9 up to 30fps. AXIS Object Analytics, Video motion detection and tampering alarm. Two-way audio and audio detection. Supervised digital input / digital output for alarm / event handling. MQTT support. Axis Edge Vault for added cyber security. Built in case open switch. MicroSD memory card slot for local storage. Powered by IEEE 802.3af/802.3at Type 1 Class 3. Extended temperature range. Includes mounting bracket and weather shield.	\$	1,028.02	7	\$	7,196.14
68	Camera Configuration Setup and Training - Per Camera Installed on System	\$	58.80	7	\$	411.60
69	Installation and Configuration	\$	110.00	7	\$	770.00
70	Cabling	\$	250.00	7	\$	1,750.00

Fire Dept. #2 - Pan-Tilt-Zoom Cameras

71	AXIS Q6135-LE - PTZ camera with continues 360° pan and build in IR illumination (660ft) with 32x optical zoom, Autofocus and Focus Recall. HDTV 1080p @ 60fps (1920x1080) in Motion JPEG, H.264, H.265, and Axis Zipstream. Day & Night, IP66, NEMA 4X and NEMA TS2 classification. Full-size SD-card slot. Perfect image quality in all directions without distortion. WDR, EIS, Speed dry. Includes Advanced gate keeper and analytics. Repaintable surface. Midspan with fiber slot and RJ45 input included.	\$	2,596.02	1	\$	2,596.02
72	AXIS T91L61 WALL-AND-POLE MOUNT	\$	116.62	1	\$	116.62
73	AXIS T91A64 BRACKET CORNER	\$	87.22	1	\$	87.22
74	Camera Configuration Setup and Training - Per Camera Installed on System	\$	58.80	1	\$	58.80

75	Installation and Configuration	\$	110.00	1	\$	110.00
76	Cabling	\$	250.00	1	\$	250.00
Service Garage- Indoor Fixed Position Cameras						
77	AXIS M4216-LV - Compact, varifocal, D/N mini dome with built-in IR illumination and dust- and vandal-resistant casing for easy indoor mounting. 3-6 mm lens with remote zoom and focus simplifying the installation. Multiple, individually configurable H.264, H.265 and Motion JPEG streams; 4MP in 4:3, 3MP in 16:9, max 30 fps with WDR. Zipstream for reduced bandwidth and storage. Includes a Deep Learning Processing Unit (DPLU) for advanced analytics. Axis Object Analytics, video motion detection and active tampering alarm. HDMI output (micro). MicroSD memory card slot for optional local video storage. AXIS Edge Vault for increased Cyber Security	\$	508.62	1	\$	508.62
78	Camera Configuration Setup and Training - Per Camera Installed on System	\$	58.80	1	\$	58.80
79	Installation and Configuration	\$	110.00	1	\$	110.00
80	Cabling	\$	250.00	1	\$	250.00
Service Garage- Outdoor Fixed Position Cameras						
81	AXIS P3268-LVE - High-performance fixed dome camera with Deep Learning Processing Unit (DLPV). Forensic WDR, Lightfinder 2.0 and Optimized IR. Discreet, dust- and IK10 vandal-resistant outdoor casing. Varifocal 3-8 mm P-Iris lens with remote zoom and focus. Multiple, individually configurable streams, H.264/H.265 with Zipstream and Motion JPEG. 8MP 4K stream in 16:9 up to 30fps. AXIS Object Analytics, Video motion detection and tampering alarm. Two-way audio and audio detection. Supervised digital input / digital output for alarm / event handling. MQTT support. Axis Edge Vault for added cyber security. Built in case open switch. MicroSD memory card slot for local storage. Powered by IEEE 802.3af/802.3at Type 1 Class 3. Extended temperature range. Includes mounting bracket and weather shield.	\$	1,028.02	7	\$	7,196.14
82	Camera Configuration Setup and Training - Per Camera Installed on System	\$	58.80	7	\$	411.60
83	Installation and Configuration	\$	110.00	7	\$	770.00
84	Cabling	\$	250.00	7	\$	1,750.00
Henderson Museum- Outdoor Fixed Position Cameras						
85	AXIS P3268-LVE - High-performance fixed dome camera with Deep Learning Processing Unit (DLPV). Forensic WDR, Lightfinder 2.0 and Optimized IR. Discreet, dust- and IK10 vandal-resistant outdoor casing. Varifocal 3-8 mm P-Iris lens with remote zoom and focus. Multiple, individually configurable streams, H.264/H.265 with Zipstream and Motion JPEG. 8MP 4K stream in 16:9 up to 30fps. AXIS Object Analytics, Video motion detection and tampering alarm. Two-way audio and audio detection. Supervised digital input / digital output for alarm / event handling. MQTT support. Axis Edge Vault for added cyber security. Built in case open switch. MicroSD memory card slot for local storage. Powered by IEEE 802.3af/802.3at Type 1 Class 3. Extended temperature range. Includes mounting bracket and weather shield.	\$	1,028.02	3	\$	3,084.06
86	AXIS SURVEILLANCE CARD 64 GB	\$	38.22	3	\$	114.66
87	Camera Configuration Setup and Training - Per Camera Installed on System	\$	58.80	3	\$	176.40
88	Installation and Configuration	\$	110.00	3	\$	330.00
89	Cabling	\$	250.00	3	\$	750.00
Additional Axis Camera Station Software Licenses						
90	ACS Core Device E-License	\$	79.00	23	\$	1,817.00

Total Price	\$171,089.44
Tax (calculated at the time of final invoice if applicable)	\$0.00
Grand Total	\$171,089.44

Notes

- Payment Terms are 50% down / 50% upon completion
- Customer to provide PoE data switches
- State Term Pricing - STS#800890

Warranty and Contract Information

i2c Technologies installed systems include a 1 Year Warranty. This warranty includes all parts, onsite labor (if installed by i2c techs), remote support, unlimited tech support, system health monitoring, software upgrades and system adjustments. All support is provided by our Ohio based Support Team. This coverage can be extended after year 1 for 8% of the purchase price per year or for 3 years for 21% of the purchase price (7% per year).

i2c Technologies understands IP. Unlike other camera providers, our staff are IT professionals. We have designed cutting edge IP video surveillance solutions for businesses for over 15 years. Every i2c network camera system is designed by an IT expert, and we only use world class products because we realize that protecting your business shouldn't compromise your network's security and performance

I2C TECHNOLOGIES, LTD.

STANDARD TERMS AND CONDITIONS

All orders placed with I2C Technologies, Ltd. ("I2C") are subject to the following terms and conditions of sale (the "Terms"):

1. **Acceptance.** All quotations issued by I2C are subject to change by I2C at any time prior to acceptance and are automatically void if not accepted within 30 days after the date appearing on the quotation. No purchase order or other document from Customer, or term or condition inconsistent with or in addition to these Terms, will be binding upon I2C unless approved in writing by an authorized I2C representative. I2C hereby objects to and rejects any and all of Customer's terms and/or conditions inconsistent with or in addition to these Terms.

2. **Pricing and Shipping.** Unless otherwise agreed in writing by an authorized representative of I2C (i) prices for equipment and materials (collectively, the "Equipment") and services will be the prices set forth in the quotation in U.S. Dollars (the "Purchase Price"); and (ii) a 50% down payment of the Purchase Price is required prior to shipping and/or installation, whichever occurs first, and the remaining 50% of the Purchase Price is due immediately upon installation of the Equipment. Customer hereby acknowledges and agrees that the Equipment includes a software deactivation system that will render the Equipment inoperable if final payment of the Purchase Price is not made within 7 days of installation of the Equipment, and that Customer will incur interest charges in the amount of 1.5% per month on all unpaid balances beyond the payment due date. Customer is responsible for any and all federal, state and local taxes associated with Customer's purchase of the Equipment. Title to the Equipment and all risk of loss or damage to the Equipment will pass to Customer at the time the Equipment is transferred by I2C to a commercial carrier, and/or installed, whichever occurs first. All delivery and installation dates are estimates, and in no event will I2C be liable for any form of damages associated with or arising from a delay in delivery and/or installation.

3. **Equipment Installation; Monitoring Service; Initial Training.** Customer agrees to grant I2C and/or its representatives, reasonable access to Customer's facility during normal business hours for the purpose of installing the Equipment, if applicable. Customer acknowledges that remote access to its system is only supported if the Customer already has an existing firewall that supports Virtual Private Network (VPN) access to the Customer's network or if a VPN firewall has been included as part of Customer's purchase from I2C. If Customer elects to use internal resources or an outside company to provide the "structured cabling" portion of the installation, Customer must satisfy all of the following standards: a) all network connectivity must conform to the TIA/EIA 568 B Wiring Standards for Network Cabling; b) each camera location requires a "biscuit" style 1 port RJ-45 jack to be mounted within 12 feet of the planned camera/access control location; c) a properly terminated patch panel must be placed at each network closet where camera/access control connections are terminated; d) power/other connection cabling must be left with a minimum of 12 feet of looped cabling at each end of a given cabling run; and e) cabling must be properly installed and supported in ceiling runs according to all applicable building codes/guidelines. Customer agrees to correct any "structured cabling" errors at Customer's sole cost. I2C reserves the right to charge Customer, and Customer agrees to pay to I2C, \$120 per hour for each hour I2C spends troubleshooting incorrectly installed cabling. Customer acknowledges and agrees that each camera included with the Equipment requires 14GB (Gigabytes) of storage space per day for continuous recording, and that the amount of storage required for archiving is dramatically reduced by the use of motion detectors that limit recording time to only those times when motion is present in the desired area. Customer acknowledges and agrees that less than 85% of the hard disk drive space referenced in the quotation is available for storage of video archives, and that at least 15% of the hard disk space is required for system applications and processes. Upon the successful installation of the Equipment, and provided that Customer purchases the I2C Software and permits I2C to remotely access the Equipment, I2C will periodically monitor the Equipment from a remote location for a period of 90 days after installation for the purpose of determining whether the Equipment is operational ("System Health Monitoring"). Customer acknowledges and agrees that the sole purpose of the foregoing monitoring is to determine operability of the Equipment, and that I2C

will use commercially reasonable efforts to notify Customer of any inoperability in the system within 8 business hours of I2C learning of the same. If the Equipment is found to be inoperable, Customer's sole remedy will be the Limited Warranty provisions contained in these Terms, and in no event will I2C be responsible or liable to Customer for any direct, indirect, consequential, incidental, punitive or special damages resulting from, or in any manner relating to, the inoperability of the Equipment. Customers who do not purchase the I2C Software will not receive the 90 days of System Health Monitoring. System Health Monitoring beyond the 90 day grace period is only available if the Customer purchases the Extended Service Agreement. I2C will provide the Customer with 2 hours of training on how to use the Equipment and Software, if applicable. Additional training and Software enhancements are available for an additional fee.

4. **Limited Warranty.** Except and unless the Customer pays for and enters into an Extended Service and Warranty Agreement with I2C, the following limited warranty will apply: I2C warrants that the Equipment sold hereunder shall be free from defects in material and workmanship for a period of one year after delivery or installation, whichever occurs first, and I2C warrants all services performed for a period of 90 days after installation, provided in both instances that Customer notifies I2C of any defect in writing and in accordance with these Terms within 10 working days after Customer's discovery of a defect (the "Limited Warranty"). I2C's obligations under the Limited Warranty are limited to repair or replacement of the defective Equipment, or component thereof, and/or the provision of additional services, as determined by I2C in its sole discretion. Repair of the Equipment, or a component thereof, or the provision of additional services does not renew or extend the term of the Limited Warranty. The Limited Warranty does not extend to Customer's agents or customers, and does not apply to any Equipment that, in I2C's sole discretion, has been repaired, modified, subject to misuse, abuse, alteration, improper handling, or improper testing or installation whether by accident, negligence, or other cause. Equipment failures do not include damage caused by external sources or Acts of God. EXCEPT FOR THE LIMITED WARRANTY, I2C DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES WITH RESPECT TO NONINFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE AND I2C SPECIFICALLY DOES NOT WARRANT THAT THE EQUIPMENT WILL FUNCTION UNINTERRUPTED OR ERROR FREE. I2C ALSO DOES NOT WARRANT THE USE OF THE EQUIPMENT, SOFTWARE NOR, AND/OR ANY OF THEIR RESPECTIVE COMPONENTS AS ANY TYPE OF SECURITY OR PROTECTION SYSTEM. NO WARRANTIES OR REPRESENTATIONS AT ANY TIME MADE BY ANY I2C REPRESENTATIVE WILL BE EFFECTIVE TO VARY OR EXPAND THE ABOVE-REFERENCED LIMITED WARRANTY OR ANY OTHER TERMS THEREOF. All Warranty claims must be submitted to I2C's Service Department, 1549 Boettler Rd., Suite D, Uniontown, Ohio 44685, in writing and include the following information: a) purchase order number; b) date of claim; c) product serial number(s); d) original delivery date; e) total operating time (if applicable); f) reason for return; and g) certification by Customer's duly authorized representative concerning accuracy of above information. I2C will return all incomplete Limited Warranty claims to the Customer for completion. Upon receipt of a complete Limited Warranty claim from Customer, I2C will evaluate the claim and determine, in its sole discretion, whether the Limited Warranty applies. If the Limited Warranty applies, I2C will repair or replace the Equipment, or component thereof, at Customer's site if feasible. If I2C cannot repair or replace the Equipment, or a component thereof, at Customer's site, I2C will authorize the Customer in writing to return the Equipment, or component thereof, to I2C. Upon repair or replacement of the Equipment, or a component thereof, I2C will return the Equipment to Customer's site. If Customer has a valid Limited Warranty claim, I2C will reinstall the Equipment for Customer at no cost to the Customer. If Customer does not have a valid Limited Warranty claim, I2C will reinstall the Equipment at I2C's then current hourly fee. If Customer is authorized to return the Equipment to I2C and Customer has a valid Limited Warranty claim, I2C will reimburse Customer for reasonable shipping costs

I2C TECHNOLOGIES, LTD.

STANDARD TERMS AND CONDITIONS

associated with the return of the Equipment to I2C. I2C will have no responsibility for unauthorized returns or invalid Limited Warranty claims.

5. **Limitation of Liability; Reservation of Rights.** I2C WILL NOT BE LIABLE FOR ANY INDIRECT, CONSEQUENTIAL, INCIDENTAL, PUNITIVE OR SPECIAL DAMAGES RESULTING FROM, OR IN ANY MANNER RELATING TO, THE EQUIPMENT, OR ANY COMPONENT THEREOF, SOLD HEREUNDER, THEIR DELIVERY, NON-DELIVERY, DESIGN, OR THE CUSTOMER'S INABILITY TO USE THE SAME, WHETHER SUCH DAMAGES ARE CLAIMED UNDER CONTRACT, TORT, OR ANY OTHER LEGAL OR EQUITABLE THEORY. IN NO EVENT WILL I2C'S TOTAL LIABILITY HEREUNDER EXCEED THE PURCHASE PRICE OF THE SERVICES OR EQUIPMENT, OR A COMPONENT THEREOF, GIVING RISE TO THE LIABILITY. THE CUSTOMER IS ULTIMATELY RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS REGULATING VIDEO AND AUDIO SURVEILLANCE OF EMPLOYEES OR THIRD PARTIES ON THE CUSTOMER'S PROPERTY. THE CUSTOMER IS SOLELY RESPONSIBLE FOR LIABILITY AND COSTS ASSOCIATED WITH NONCOMPLIANCE. THE CUSTOMER ACKNOWLEDGES THAT I2C IS NOT PROVIDING LEGAL ADVICE, AND TO THE EXTENT LEGAL ADVICE IS REQUIRED, THE CUSTOMER SHOULD CONSULT WITH AN ATTORNEY REGARDING APPROPRIATE USE OF VIDEO AND AUDIO SURVEILLANCE EQUIPMENT AND TECHNOLOGY.

6. **Force Majeure.** I2C will not be liable for its failure to perform hereunder, in whole or in part, due to contingencies beyond its control including, but not limited to, acts of God, acts of the Customer, fires, floods, wars, sabotage, accidents, labor disputes or shortages, governmental laws, ordinances, rules and regulations, whether valid or invalid (including, but not limited to requisitions, allocations, and/or price adjustment restrictions) and/or I2C's inability to obtain material, equipment, or transportation. During the period of contingency, I2C will have the right to omit all or any portion of the quantity deliverable during such period, whereupon, the total quantity deliverable under this Agreement will be reduced by the quantity so omitted. If, due to any such contingency, I2C is unable to supply the total demands for any Equipment, or component thereof, specified in the quotation or any order, I2C will have the right to allocate its available supply among its customers and its departments, divisions, subsidiaries, and affiliates in such manner as I2C, in its sole discretion, deems fair and equitable.

7. **Infringement.** I2C makes no representation or warranty, and nothing herein or elsewhere contained will be construed as a representation or warranty by I2C, that any Equipment, or component thereof, covered by these Terms, or the use thereof by the Customer, will be free from infringement of any patent, trademark, service mark, copyright or other form of intellectual property (collectively, "Intellectual Property"). If the Equipment, or any component thereof, encompasses any feature, construction, or design at Customer's request, or pursuant to specifications, drawings and/or designs furnished by the Customer, or should any additions, changes or modifications be made by Customer to the Equipment, Customer agrees to indemnify, defend and hold I2C, and its members, officers, employees, agents, contractors, successors and assigns, harmless against any and all liability, losses, damages and/or claims of Intellectual Property infringement asserted against I2C (including reasonable attorney's fees and costs).

8. **Indemnification.** Customer agrees to indemnify, defend, and hold I2C, and its members, officers, employees, agents, contractors, successors and assigns, harmless against any and all liability, losses,

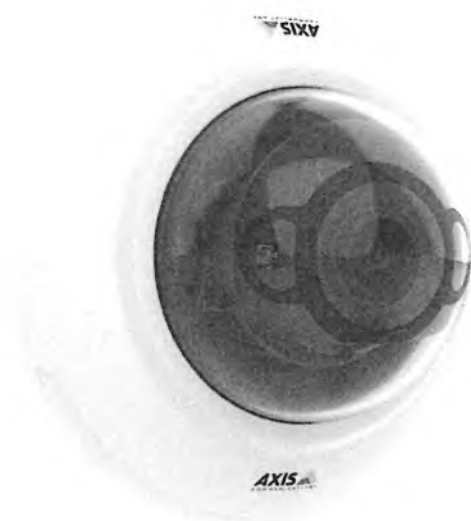
construed in accordance with the laws of the State of Ohio, other than those relating to conflicts of law. All disputes arising hereunder must be resolved in the Summit County Court of Common Pleas, Summit County, Ohio or the U.S. District Court for the Northern District of Ohio and the parties agree to submit to the exclusive jurisdiction of said courts. Customer represents and warrants to I2C that it will comply with all applicable federal, state and local laws, rules, and regulations pertaining to the use of the Equipment. Any clause required to be included herein by any applicable law or administrative regulation having the effect of law shall be deemed to be incorporated herein. These Terms, the Quotation and the Extended Service and Warranty Agreement, if applicable, constitute the entire agreement between the parties and supersede any and all previous representations or agreements, either verbal or written, between the parties.

AXIS M4216-LV Dome Camera

Varifocal 4 MP dome with IR and deep learning

The compact and discreet AXIS M4216-LV delivers great images, day and night. With a deep learning processing unit (DLPU), it's possible to take advantage of intelligent applications based on deep learning on the edge. Furthermore, Axis Edge Vault protects your Axis device ID and simplifies authorization of Axis devices on your network. Designed to blend seamlessly into any environment, the camera can be repainted and offers a wide range of accessories for discreet monitoring. It features an HDMI port and offers the flexibility to add audio and I/O connectivity using accessories.

- > Great image quality in 4 MP
- > Varifocal lens with remote zoom and focus
- > WDR, Lightfinder and OptimizedIR
- > Support for analytics with deep learning
- > HDMI output for public viewing monitors



AXIS M4216-LV Dome Camera

Camera		I/O: manual trigger, virtual input, digital input via AXIS T61 Audio and I/O Interfaces with portcast technology MQTT subscribe Scheduled and recurring: scheduled event Video: live stream open
Image sensor	1/2.7" progressive scan RGB CMOS	
Lens	Varifocal, 3–6 mm, F1.9 - 2.7 Horizontal field of view: 100°–45° Vertical field of view: 72°–34° Remote focus and zoom, fixed iris	
Day and night	Automatic IR-cut filter	
Minimum illumination	With Lightfinder: Color: 0.18 lux at 50 IRE F2.0 B/W: 0.03 lux at 50 IRE F2.0, 0 lux when IR illumination is on	
Shutter speed	1/37500 s to 1/5 s	
Camera angle adjustment	Pan ± 180°, tilt -40 to +65°, rotation ± 105° Can be directed in any direction and see the wall/ceiling	
System on chip (SoC)		
Model	CV25	
Memory	1024 MB RAM, 512 MB Flash	
Compute capabilities	Deep learning processing unit (DLPU)	
Video		
Video compression	H.264 (MPEG-4 Part 10/AVC) Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main and High Profiles Motion JPEG	
Resolution	2304x1728 to 320x240	
Frame rate	Up to 25/30 fps with power line frequency 50/60 Hz in H.264 and H.265 ⁹	
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/MBR H.264/H.265 HDMI	
Multi-view streaming	Up to 2 individually cropped out view areas in full frame rate	
HDMI output	HDMI 1080p (16:9) @ 25/30 fps (50/60 Hz) HDMI 720p (16:9) @ 50/60 fps (50/60 Hz)	
Image settings	Compression, color, brightness, sharpness, contrast, white balance, exposure control, motion-adaptive exposure, WDR: up to 110 dB depending on scene, text and image overlay, mirroring of images, privacy mask Rotation: 0°, 90°, 180°, 270°, including Corridor Format	
Pan/Tilt/Zoom	Digital PTZ	
Audio		
Audio input/output	Two-way audio connectivity via optional AXIS T61 Audio and I/O Interfaces with portcast technology	
Network		
Security	Password protection, IP address filtering, HTTPS ⁹ encryption, IEEE 802.1X (EAP-TLS) ⁹ network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot, signed video, Axis Edge Vault, Axis device ID, secure keystore (CC EAL4 certified)	
Network protocols	IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ⁹ , TLS ⁹ , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP ⁹ , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SSH, HDMI, LLDP, CDP, MQTT v3.1.1, Link-Local address (ZeroConf)	
System integration		
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF [®] Profile G, ONVIF [®] Profile M, ONVIF [®] Profile S, and ONVIF [®] Profile T, specification at onvif.org	
Event conditions	Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, network lost, new IP address, system ready, within operating temperature Edge storage: recording ongoing, storage disruption	
Event actions		MQTT publish Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text, zoom preset, day/night mode Pre- and post-alarm video or image buffering for recording or upload Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email External output activation via AXIS T61 Audio and I/O Interfaces with portcast technology
Built-in installation aids		Remote zoom, remote focus
Analytics		
AXIS Object Analytics		Object classes: humans, vehicles (types: cars, buses, trucks, bikes) Trigger conditions: line crossing, object in area, time in area ^{BETA} Up to 10 scenarios Metadata visualized with trajectories and color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
Metadata		Object data: Classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates Confidence, position Event data: Producer reference, scenarios, trigger conditions
Applications		Included AXIS Object Analytics, AXIS Video Motion Detection, AXIS Face Detector, active tampering alarm Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/ocap
General Casing		IP42 water- and dust-resistant, IK08 impact-resistant, polycarbonate and aluminum casing with hard-coated dome Encapsulated electronics Color: white NCS S 1002-B For repainting instructions of casing and impact on warranty, contact your Axis partner
Sustainability		PVC free, BFR/CFR free, 43% recycled plastics
Power		Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 5 W, max 9.7 W
Connectors		RJ45 10BASE-T/100BASE-TX PoE HDMI type D Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology
IR illumination		Optimized IR with power-efficient, long-life 855 nm IR LEDs Range of reach 20 m (65.6 ft) or more depending on the scene
Storage		Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Operating conditions		0 °C to 45 °C (32 °F to 113 °F) Humidity 10–85% RH (non-condensing)
Storage conditions		-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Approvals		EMC CISPR 24, CISPR 35, EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), KC KN32 Class A, KC KN35, RCM AS/NZS CISPR 32 Class A, VCCI Class A Safety IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, IS 13252 IEC 62471 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-6, IEC/EN 60529 IP42,

	IEC/EN 62262 IK08 Network NIST SP500-267	AXIS Surveillance Cards For more accessories, see axis.com
Dimensions	Height: 71 mm (2.8 in) ø 121 mm (4.76 in)	Video management software AXIS Companion, AXIS Camera Station and video management software from Axis Application Development Partners. For more information, see axis.com/vms
Weight	375 g (0.83 lb)	Languages English, German, French, Spanish, Italian, Russian, Japanese, Korean, Portuguese, Simplified Chinese, Traditional Chinese
Included accessories	Installation guide, Windows® decoder 1-user license	Warranty 5-year warranty, see axis.com/warranty
Optional accessories	AXIS TM3207 Recessed Mount AXIS T94C01L Recessed Mount AXIS T94C01U Universal Mount AXIS T94C01M J-Box/Gang Box Plate AXIS M42 Casing A Black 4P AXIS M42 Smoked Dome A 4P AXIS T91A33 Lighting Track Mount AXIS T91A23 Tile Grid Ceiling Mount AXIS TM3101 Pendant Wall Mount	a. <i>Reduced frame rate in Motion JPEG</i> b. <i>This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).</i> Environmental responsibility: axis.com/environmental-responsibility

AXIS M5075 PTZ Camera

Palm-sized PTZ camera with 5x optical zoom

AXIS M5075 is a discreet, palm-sized PTZ camera designed to fit in anywhere. It delivers sharp, detailed video in HDTV 1080p/2 MP resolution. Thanks to PTZ functionality with 5x optical zoom and 12x digital zoom you can benefit from sweeping overviews and zoom in to get the details. Featuring a built-in microphone, this plug & play solution also includes analytics such as scream detection to alert you whenever a scream is detected in the camera's proximity. Furthermore, built-in cybersecurity features help prevent unauthorized access and safeguard your system.

- > PTZ with 5x optical zoom, 12x digital zoom
- > Autofocus and WDR
- > Built-in analytics
- > Zipsream with H.264/H.265
- > Built-in cybersecurity features



AXIS M5075 PTZ Camera

Camera		Edge storage: recording ongoing, storage disruption, storage health issues detected I/O: manual trigger, virtual input MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event Video: average bitrate degradation, day-night mode, live stream open, tampering
Image sensor	1/2.8" progressive scan RGB CMOS	
Lens	Varifocal, 2.2–11.0 mm, F1.4–F2.5 Horizontal field of view: 14°–71° Vertical field of view: 8°–40° Autofocus	
Minimum illumination	Color: 0.1 lux at 30 IRE F1.4	
Shutter speed	1/17000 s to 2 s	
Pan/Tilt/Zoom	Pan: ±179°, 100°/s Tilt: 90°, 100°/s Zoom: 5x optical, 12x digital 256 preset positions, control queue, on-screen directional indicator, set new pan 0°, autofocus area, focus recall	Event actions Day-night mode MQTT publish Overlay text Preset positions Recordings Status LED WDR mode Notification: email, HTTP, HTTPS, TCP and SNMP trap Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email
System on chip (SoC)		
Model	ARTPEC-7	Data streaming Event data
Memory	1024 MB RAM, 512 MB Flash	Built-in installation aids Leveling assistant, pixel counter
Video		
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	Analytics
Resolution	1920x1080 to 320x180 (16:9)	Applications Included AXIS Video Motion Detection, audio detection, active tampering alarm, gatekeeper, AXIS Scream Detection, AXIS Removed Object Detection Support for additional applications if the device is used with compatible accessories. For more information, contact your Axis partner Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Frame rate	Up to 50/60 fps (50/60 Hz) in all resolutions	General
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264 Video streaming indicator	Casing IP51-rated plastic casing, clear dome Color: white NCS S 1002-B For repainting instructions, go to the product's support page. For information about the impact on warranty, go to axis.com/warranty-implication-when-repainting .
Image settings	Saturation, contrast, brightness, sharpness, WDR, white balance, day/night threshold, local contrast, tone mapping, exposure mode, exposure zones, compression, rotation: 0°, 180°, barrel distortion correction, text and image overlay, polygon privacy masks	Sustainability PVC free
Audio		
Audio streaming	One-way	Power Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 4.2 W, max 9.3 W
Audio encoding	24 bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate	Connectors RJ45 10BASE-T/100BASE-TX PoE
Audio input	Built-in microphone	Storage Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Network		
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot	Operating conditions 0 °C to 45 °C (32 °F to 113 °F) Humidity 10–90% RH (non-condensing)
Network protocols	IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP [®] , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	Storage conditions -30 °C to 60 °C (-22 °F to 140 °F) Humidity 5–95% RH (non-condensing)
System integration		
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF [®] Profile G, ONVIF [®] Profile M, ONVIF [®] Profile S and ONVIF [®] Profile T, specification at onvif.org	Approvals EMC EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), KS C 9832 Class A, KS C 9835, RCM AS/NZS CISPR 32 Class A, VCCI Class A Safety CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 62368-1, IS 13252 Environment IEC/EN 60529 IP51 Network NIST SP500-267
Onscreen controls	Day/night shift Video streaming indicator Focus recall zone Privacy masks	Dimensions Ø130 x 63 mm (Ø5.1 x 2.5 in)
Event conditions	Audio: audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, network lost, new IP address, storage failure, system ready, within operating temperature	Weight 380 g (0.84 lb)
		Included accessories AXIS M50 Mounting Kit, Installation Guide, Windows decoder 1-user license
		Optional accessories AXIS M50 Clear Dome Cover A For more accessories, see axis.com
		Video management software AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms

Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese	Environmental responsibility: axis.com/environmental-responsibility
Warranty	5-year warranty, see axis.com/warranty	

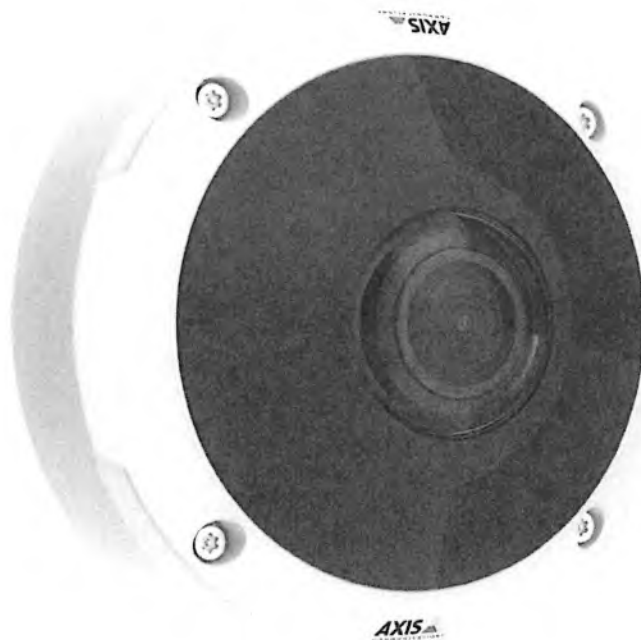
- a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (ey@cryptosoft.com).

AXIS M3058-PLVE Network Camera

12 MP outdoor-ready dome with 360° panoramic view and IR illumination

AXIS M3058-PLVE Network Camera delivers outstanding video in any light conditions, using Axis-developed Forensic WDR and Lightfinder technologies. With its integrated, automatically adaptable Optimized IR illumination, this versatile camera even sees in the dark. The camera offers 360° overview as well as dewarped views. AXIS M3058-PLVE is vandal resistant (IK10) and discreetly designed. The optional black skin, which is also easily repaintable, can be used to further blend the camera into its environment. The camera has good capacity for analytics. It comes factory-focused and is designed for easy installation.

- > 12 MP sensor
- > Optimized IR illumination
- > Lightfinder technology
- > Forensic WDR
- > Zipstream for reduced bandwidth and storage



2992 x 2992
4000 x 3000

AXIS M3058-PLVE Network Camera

Camera	
Image sensor	12 MP (4000x3000) 1/1.7" progressive scan RGB CMOS
Lens	Fixed iris, fixed focus, IR corrected, 1.3 mm, F2.2 Horizontal field of view: 181° Vertical field of view: 181°
Day and night	Automatically removable infrared-cut filter
Minimum illumination	Color: 0.19 lux at 50 IRE F2.2 B/W: 0.04 lux at 50 IRE F2.2 0 lux with IR illumination on
Shutter speed	1/22 500 s to 2 s
Camera angle adjustment	Rotation n ±180°
System on chip (SoC)	
Model	ARTPEC-6
Memory	2 GB RAM, 512 MB Flash
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	Overview: 2992x2992 to 160x160 Panorama: 3584x1344 to 192x72 Double panorama: 3584x2688 to 256x144 Quad view: 3584x2688 to 256x144 View area 1-4, 16:9: 2048x1152 to 256x144, 4:3: 2048x1536 to 320x240 Panorama corner left/right: 3200x1600 to 192x72 Double panorama corner: 2880x2880 to 320x240 Corridor: 2560x1920 to 256x144
Frame rate	360° overview only, up to 2992x2992 without WDR: 25/30 fps @ 50/60 Hz 360° overview and dewarped views up to 5 MP with WDR: up to 20 fps @ 50/60 Hz 360° overview and dewarped views up to max resolution with WDR: up to 12.5/15 fps @ 50/60 Hz
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264
Multi-view streaming	360° overview, dewarped panorama, double panorama, corridor and quad views. Up to 4 individually cropped out and dewarped view areas. All different views can be streamed simultaneously. When streaming 4 dewarped view areas and one 360° overview in max resolution: up to 12 fps per stream
HDMI output	HDMI 1080p @ 50/60 fps (50/60 Hz)
Image settings	Compression, color, brightness, sharpness, contrast, local contrast, white balance, exposure control (including automatic gain control) exposure zones, fine tuning of behavior at different light levels, forensic WDR: up to 120 dB depending on scene, dynamic text and image overlay, polygon privacy masks, mirroring of images, rotation: 0°, 180°, including Corridor Format
Pan/Tilt/Zoom	Digital PTZ of view areas, digital PT of panorama, corner, corridor and quad views, preset positions, guard tour
Audio	
Audio input/output	Two-way audio connectivity via the optional AXIS T61 Audio and I/O Interfaces with portcast technology
Network	
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware
Network protocols	IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP ^b , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, SIP, LLDP, HDMI, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)
System integration	
Application Programming Interface	Open API for software integration, including VAPIX ^a and AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIF ^c Profile G, ONVIF ^c Profile S and ONVIF ^c Profile T, specification at onvif.org Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/FBX
Event triggers	Analytics, supervised external input, virtual inputs through API, edge storage events, open casing MQTT subscribe
Event actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap PTZ: PTZ preset, start/stop guard tour Overlay text, external output activation MQTT publish
Data streaming	Event data
Built-in installation aids	Pixel counter, digital PTZ of view areas, digital PT of panorama, corner, corridor and quad views
Analytics	
Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/ocap
General	
Casing	IP66- and NEMA 4X-rated, IK10 impact-resistant casing in polycarbonate and aluminium, with hard-coated dome and dehumidifying membrane Encapsulated electronics and captive screws Color: White NCS S 1002-B For repainting, use the optional skin cover. Contact your Axis partner for instructions.
Sustainability	PVC-free
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 7.8 W, max 12.95 W
Connectors	Shielded RJ45 10BASE-T/100BASE-TX PoE Terminal block for 1 supervised alarm input and 1 digital output (12 V DC output, max. load 25 mA) HDMI type D ^b Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology
IR illumination	Optimized IR with power-efficient, long-life 850 nm IR LEDs with adaptable illumination intensity Range of reach 15 m (49 ft) or more depending on scene
Storage	Support for SD card encryption (AES-XTS-Plain64 256bit) Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Operating conditions	-40 °C to 50 °C (-40 °F to 122 °F) Maximum temperature (intermittent): 55 °C (131 °F) Start-up temperature: -30 °C to 50 °C (-22 °F to 122 °F) Humidity 10–100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Approvals	EMC EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC/EN 62471 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60721-3-5 Class 5M3 (vibration and shock), IEC/EN 60529 IP66, IEC/EN 62262 IK10, NEMA 250 Type 4X

	Network NIST SP500-267
Dimensions	Height: 66 mm (2.6 in) ø 149 mm (5.87 in)
Weight	770 g (1.7 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, drill hole template, cable gaskets, connector guard, I/O connector, Resistor® T20 L-key, mounting bracket, cable hole lid, view protector
Optional accessories	AXIS T94T02D Pendant Kit with weathershield, AXIS T94K01D Pendant Kit, AXIS T94S02L Recessed Mount Kit, AXIS M30 Skin Cover A Black, Axis Mounts Et Cabinets, AXIS T6101 Audio and I/O Interface, AXIS T6112 Audio and I/O Interface For more accessories, see axis.com

Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Polish, Portuguese, Traditional Chinese
Warranty	5-year warranty, see axis.com/warranty

- a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (ey@cryptosoft.com).
- b. Make sure that the cable has a slim connector plug

Environmental responsibility:

axis.com/environmental-responsibility

AXIS Q6135-LE PTZ Network Camera

High-speed PTZ with long-range optimizedIR

AXIS Q6135-LE offers HDTV 1080p with 32x optical zoom. It features OptimizedIR up to 250 m (820 ft) or more depending on the scene and Lightfinder 2.0 for clear, sharp images even in challenging light. Sharpdome technology allows you to see 20° above the horizon with the same sharp image quality as below. It includes orientation aid and autotracking 2 with click and track functionality. Privacy masking with mosaic lets you pixelate whole areas of the scene. It includes enhanced security features such as signed firmware, secure boot and TPM module. Plus, Axis Zipstream with support for H.264 and H.265.

- > HDTV 1080p with 32x optical zoom
- > OptimizedIR (250 m/820 ft range)
- > Lightfinder 2.0
- > Autotracking 2 and orientation aid
- > TPM, FIPS 140-2 level 2 certified



AXIS Q6135-LE PTZ Network Camera

Models	AXIS Q6135-LE 50 Hz AXIS Q6135-LE 60 Hz	IP address removed, network lost, new IP address, shock detected, storage failure, system ready, within operating temperature
Camera		Edge storage: recording ongoing, storage disruption
Image sensor	1/2.8" Progressive scan CMOS	I/O: manual trigger, virtual input
Lens	Varifocal, 4.3–137.6 mm, F1.4 – 4.0 Horizontal field of view: 58.3°–2.4° Vertical field of view: 34.9°–1.3° Autofocus, auto-iris	MQTT subscribe
Day and night	Automatically removable infrared-cut filter	PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready, PTZ autotracking
Minimum illumination	Color: 0.06 lux at 30 IRE F1.4 B/W: 0.008 lux at 30 IRE F1.4, 0 lux with IR illumination on Color: 0.09 lux at 50 IRE F1.4 B/W: 0.01 lux at 50 IRE F1.4, 0 lux with IR illumination on	Scheduled and recurring: scheduled event
Shutter speed	1/66500 s to 2s	Video: live stream open, day/night mode
Pan/Tilt/Zoom	Pan: 360° endless, 0.05°–700°/s Tilt: +20 to -90°, 0.05°–500°/s Zoom: 32x optical, 12x digital, total 384x zoom Nadir flip, 256 preset positions, tour recording (max 10, max duration 16 minutes each), guard tour (max 100), control queue, on-screen directional indicator, orientation aid PTZ, set new pan 0°, adjustable zoom speed, speed dry	Event actions
System on chip (SoC)		Record video: SD card and network share
Model	ARTEC-7	Pre- and post-alarm video or image buffering for recording or upload
Memory	1024 MB RAM, 512 MB Flash	Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email
Compute capabilities	Machine learning processing unit (MLPU)	Notification: email, HTTP, HTTPS, TCP, and SNMP trap
Video		PTZ: PTZ preset, guard tour
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	Overlay text, day/night mode
Resolution	1920x1080p (HDTV 1080p) to 320x180	WDR mode
Frame rate	Up to 50/60 fps (50/60 Hz) in 1080p	IR illumination
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	MQTT publish
Image settings	Compression, saturation, brightness, sharpness, contrast, local contrast, white balance, exposure control, exposure zones, Forensic WDR: Up to 120 dB depending on scene, defogging, day/night shift level, tone mapping, fine tuning of low-light behavior, rotation: 0°, 180°, text and image overlay, image freeze on PTZ, electronic image stabilization (EIS), scene profiles, 32 individual polygon privacy masks	Built-in installation aids
Audio		Pixel counter, leveling guide
Audio input/output	Two-way audio connectivity via optional AXIS T61 Audio and I/O Interfaces with portcast technology	Analytics
Network		AXIS Object Analytics
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, Digest authentication, User access log, Centralized Certificate Management, Brute force delay protection, signed firmware, secure boot, secure keystore (CC EAL4 certified), TPM (FIPS 140-2 certified)	Object classes: humans, vehicles Trigger conditions: line crossing, object in area, time in area ^{BETA} Up to 10 scenarios Metadata visualized with trajectories and color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
Network protocols	IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP TM , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SSH, NTP, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	Metadata
System integration		Object data: Classes: humans, faces, vehicles, license plates Confidence, position Event data: Producer reference, scenarios, trigger conditions
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com One-Click Cloud Connection ONVIF [®] Profile G, ONVIF [®] Profile M, ONVIF [®] Profile S, and ONVIF [®] Profile T, specification at onvif.org	Applications
Event conditions	Analytics Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure,	Included AXIS Object Analytics, AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, Autotracking 2, Active Gatekeeper Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/ucap
		General
		Casing
		IK08, IK10 housing and mounting ^b , IP66- and NEMA 4X-rated Repaintable metal casing (aluminum), hard coated Polycarbonate (PC) clear dome with Sharpdome technology
		Sustainability
		PVC free
		Power
		Axis High PoE midspan 1-port: 100–240 V AC, max 74 W Camera consumption: typical 13.5 W (no IR), max 51 W Axis PoE+ midspan 1-port: 100–240 V AC, max 37 W IEEE 802.3at Type 2 Class 4 Camera consumption: typical 13.5 W, max 25 W
		Connectors
		RJ45 10BASE-T/100BASE-TX PoE RJ45 Push-pull Connector (IP66) Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology
		IR illumination
		Optimized IR with power-efficient, long life 850 nm IR LEDs With 30 W midspan: Range of reach 190 m (623 ft) or more depending on the scene With 60 W midspan: Range of reach 250 m (820 ft) or more depending on the scene
		Storage
		Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
		Operating conditions
		With 30 W midspan: -30 °C to 50 °C (-22 °F to 122 °F) With 60 W midspan: -50 °C to 50 °C (-58 °F to 122 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Arctic Temperature Control: Start-up as low as -40 °C (-40 °F) Humidity 10–100% RH (condensing)
		Storage conditions
		-40 °C to 70 °C (-40 °F to 158 °F) Humidity 5–95% RH (non-condensing)

Approvals

EMC
EN 55032 Class A, EN 55035, EN 55024, EN 50121-4, IEC 62236-4,
EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2,
FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A,
RCM AS/NZS CISPR32 Class A
KC KN32 Class A, KN35
Safety
IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC/EN 62471 risk
group 2, IS13252
Environment
IEC/EN 62262 IK08, IEC/EN 60529 IP66, NEMA 250, Type 4X,
NEMA TS 2 (2.2.7-2.2.9), IEC 60068-2-1, IEC 60068-2-2,
IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27,
IEC 60068-2-30, IEC 60068-2-78, ISO 4892-2
Network
NIST SP500-267
For midspan approvals, see:
axis.com/products/axis-t8154-60-w-sfp-midspan

Dimensions

Height: 241 mm (9.5 in)
ø 165 mm (6.4 in)

Weight

3 kg (6.6 lb)

Included accessories	IP66-rated RJ45 connector kit, AXIS High PoE 60 W SFP Midspan, installation guide, Windows decoder 1-user licence
Optional accessories	AXIS T91/T94 Mounting Accessories, Axis High PoE midspans For more accessories, see axis.com
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on www.axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see axis.com/warranty

- a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).
- b. Mounting not included

Environmental responsibility:

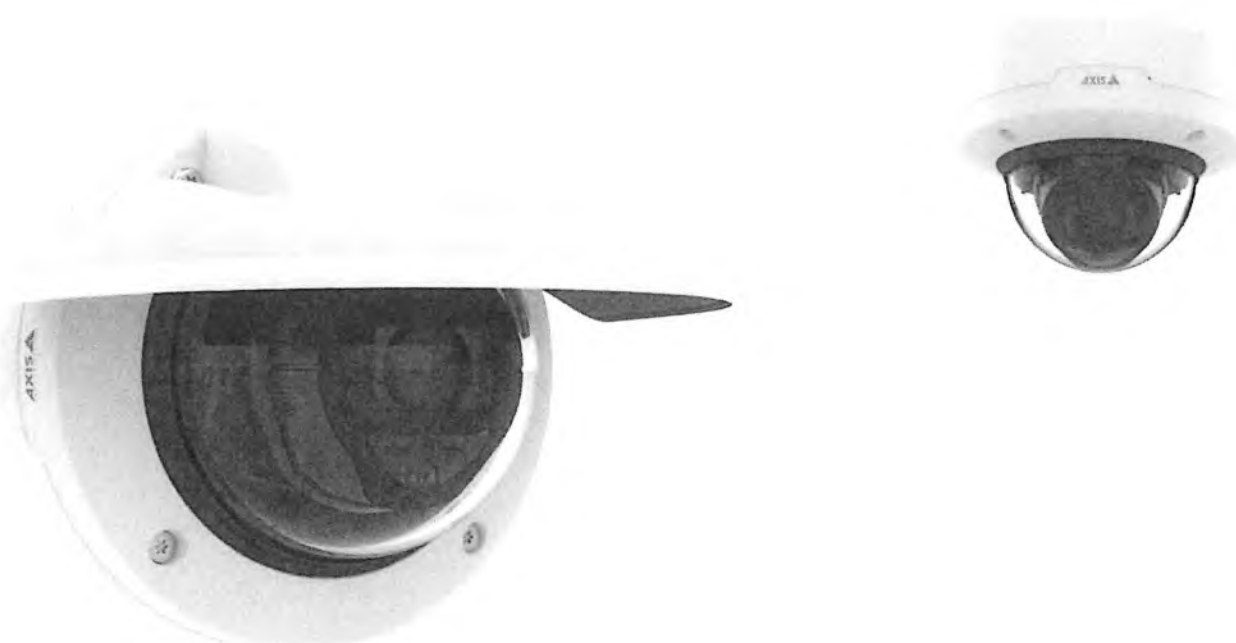
axis.com/environmental-responsibility

AXIS P3268-LVE Dome Camera

Outdoor 8 MP dome with IR and deep learning

Featuring Lightfinder 2.0, Forensic WDR, and OptimizedIR, AXIS P3268-LVE delivers excellent image quality under any light conditions. Based on the latest Axis system-on-chip (SoC), it includes a deep learning processing unit enabling advanced features and powerful analytics based on deep learning on the edge. Thanks to AXIS Object Analytics, it offers detection and classification of humans, vehicles, and types of vehicles—all tailored to your specific needs. Featuring audio and I/O connectivity, you can integrate equipment and extend the value of your system. Furthermore, this robust, IK10-rated, outdoor-ready camera includes built-in cybersecurity to help prevent unauthorized access and safeguard your system.

- > Excellent image quality in brilliant 4K
- > Lightfinder 2.0, Forensic WDR, and OptimizedIR
- > Analytics with deep learning
- > Audio and I/O connectivity
- > Built-in cybersecurity features



AXIS P3268-LVE Dome Camera

Camera		Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/FBX.
Image sensor	1/1.8" progressive scan RGB CMOS	Onscreen controls Day/night shift Defogging Wide dynamic range Video streaming indicator IR illumination
Lens	Varifocal, 4.3–8.6 mm, F1.5 Horizontal field of view: 100°–53° Vertical field of view: 54°–30° Minimum focus distance: 50 cm (20 in) IR corrected, remote zoom and focus, P-Iris control	
Day and night	Automatically removable infrared-cut filter	
Minimum illumination	With Forensic WDR and Lightfinder 2.0: Color: 0.14 lux at 50 IRE, F1.5 B/W: 0 lux at 50 IRE, F1.5	
Shutter speed	1/8500 s to 1/5 s	
Camera angle adjustment	Pan ±190°, tilt -10 to +80°, rotation ±190°	Event conditions Analytics, external input, supervised external input, virtual inputs through API Call: state, state change Device status: above operating temperature, above or below operating temperature, below operating temperature, within operating temperature, IP address removed, new IP address, network lost, system ready, ring power overcurrent protection, live stream active, casing open Digital audio: digital signal contains Axis metadata, digital signal has invalid sample rate, digital signal missing, digital signal okay Edge storage: recording ongoing, storage disruption, storage health issues detected I/O: digital input, manual trigger, virtual input MQTT: subscribe Scheduled and recurring: schedule Video: average bitrate degradation, day-night mode, live stream open, tampering
System on chip (SoC)		
Model	ARTPEC-8	
Memory	2048 MB RAM, 8192 MB Flash	
Compute capabilities	Deep learning processing unit (DLPU)	
Video		Event actions Overlay text, external output activation, zoom preset, day/night mode, flash status LED, use lights, set defog mode, set WDR mode Calls: end SIP call, make SIP call, answer call I/O: toggle I/O once, toggle I/O while the rule is active MQTT: publish Notification: email, HTTP, HTTPS, TCP, and SNMP trap Pre- and post-alarm video or image buffering for recording or upload Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main, and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	
Resolution	3840x2160 to 160x90	
Frame rate	25/30 fps with power line frequency 50/60 Hz	
Video streaming	Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Video streaming indicator	
Multi-view streaming	Up to 2 individually cropped out view areas in full frame rate	Built-in installation aids Remote zoom and focus, straighten image, pixel counter, level grid
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: up to 120 dB depending on scene, white balance, day/night threshold, local contrast, tone mapping, exposure mode, exposure zones, defogging, barrel distortion correction, compression, rotation: 0°, 90°, 180°, 270° including Corridor Format, mirroring, dynamic text and image overlay, privacy masks, polygon privacy mask	
Pan/Tilt/Zoom	Digital PTZ, preset positions	
Audio		
Audio streaming	Audio in, simplex, two-way audio via edge-to-edge technology	
Audio encoding	24bit LPCM, AAC-LC 8/16/32/44.1/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate	Analytics AXIS Object Analytics Object classes: humans, vehicles (types: cars, buses, trucks, bikes) Trigger conditions: line crossing, object in area Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
Audio input/output	External microphone input, line input, digital input with ring power, automatic gain control, network speaker pairing	
Network		
Security	Password protection, IP address filtering, HTTPS ² encryption, IEEE 802.1x (EAP-TLS) ³ network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot signed video, Axis Edge Vault, Axis device ID, secure keystore (CC EAL4 certified)	
Network protocols	IPv4, IPv6 USGV6, ICMPv4/ICMPv6, HTTP, HTTPS ² , HTTP/2, TLS ³ , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP ⁴ , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, ARP, SSH, SIP, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	
System integration		
Application Programming Interface	Open API for software integration, including VAPIX ⁵ and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF ⁶ Profile G, ONVIF ⁶ Profile M, ONVIF ⁶ Profile S, and ONVIF ⁶ Profile T, specification at onvif.org	
		General
		Casing IP66-, NEMA 4X- and IK10-rated Polycarbonate hard coated dome Polycarbonate casing and weathershield Color: white NCS S 1002-B For repainting instructions, go to the product's support page. For information about the impact on warranty, go to axis.com/warranty-implication-when-repainting .
		Mounting Mounting bracket with junction box holes (double-gang, single-gang, and 4" octagon) and for wall or ceiling mount
		Sustainability PVC free, BFR/CFR free 64% bioplastics
		Power Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 5.5 W, max 11.2 W
		Connectors RJ45 10BASE-T/100BASE-TX PoE

	I/O: 4-pin 2.5 mm (0.098 in) terminal block for 1 supervised digital input and 1 digital output (12 V DC output, max. load 25 mA) Audio: 3.5 mm mic/line in	Network NIST SP500-267
IR illumination	Optimized IR with power-efficient, long-life 850 nm IR LEDs Range of reach 40 m (130 ft) or more depending on the scene	Dimensions Without weathershield: Height: 107 mm (4.21 in) ø 149 mm (5.87 in)
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com	Weight With weathershield: 900 g (2.0 lb)
Operating conditions	-40 °C to 50 °C (-40 °F to 122 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Start-up temperature: -30 °C to 50 °C (-22 °F to 122 °F) Humidity 10–100% RH (condensing)	Included accessories Installation guide, Windows decoder 1-user license, drill template, RESTORX™ T20 screw bit, terminal block connectors, cable gaskets, connector guard, weathershield
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)	Optional accessories AXIS TP3201-E Recessed Mount, AXIS TP3103-E Pendant Kit, AXIS T8355 Digital Microphone 3.5 mm, AXIS TP3824-E Dome Clear/Smoked, AXIS TP3821-E Casing Black/White, AXIS Surveillance Cards For more accessories, see axis.com
Approvals	EMC EN 50121-4, EN 55032 Class A, EN 55035, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), IEC 62236-4, KC KN32 Class A, KC KN35, RCM AS/NZS CISPR 32 Class A, VCCI Class A Safety CAN/CSA C22.2 No. 62368-1 ed. 3, IEC/EN/UL 62368-1 ed. 3, IEC/EN 62471, IS 13252 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78 IEC/EN 60529 IP66, IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS2 (2.2.7-2.2.9)	Video management software AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms
		Languages English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese
		Warranty 5-year warranty, see axis.com/warranty

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).

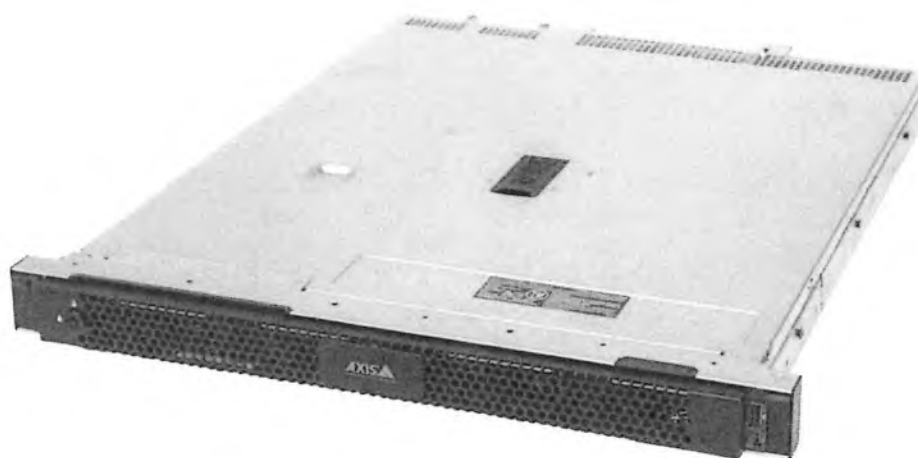
Environmental responsibility:
axis.com/environmental-responsibility

AXIS Camera Station S1232 Rack Recording Server

Flexible and scalable recording server

Featuring powerful components, this secure, scalable recording server offers high performance and support for powerful applications and features. It includes AXIS Camera Station licenses and multiple RAID configurations for flexible storage and multiple redundancy configuration. And, a Trusted Platform Module (FIPS 140-2 level 2 certified) ensures secure storage of all cryptographic keys and certificates. Available in two variants with a choice of storage, it comes preloaded with preconfigured software. Plus, all supported products are available in one price list for a one-stop-shop experience. Furthermore, it offers services such as Keep Your Hard Drive, Next Business Day Onsite Support, and a 5-year warranty.

- > Scalable and powerful solution
- > Flexible storage options including RAID
- > Available in 2 variants: 16 TB and 32 TB
- > 32 AXIS Camera Station licenses included
- > Extensive support and 5-year warranty



AXIS Camera Station S1232 Rack Recording Server

Models	S1232 Rack 16 TB S1232 Rack 32 TB
Licenses	32 AXIS Camera Station core licenses included and tied to the hardware. Can be upgraded with additional licenses (sold separately).
System scalability	Qualified for 128 doors and a recording bitrate up to 500 Mbit per second, 64 video channels at 4MP, 30FPS in a retail scenario. Check AXIS Site Designer for storage estimates. Tested with: 15 live view clients 3 clients performing heavy playback or scrubbing operations
Hardware	
Processor	Intel® Xeon® E processor
Memory	2x 8 GB
Storage	S1232 Rack 16 TB Hot swappable Enterprise Class HDD Total HDD slot: 4 Free HDD slot: 0 Out-of-the-box storage: 12 TB after RAID 5 Out-of-the-box capacity without RAID: 16 TB (4x4 TB) S1232 Rack 32 TB Hot swappable Enterprise Class HDD Total HDD slot: 4 Free HDD slot: 0 Out-of-the-box storage: 24 TB after RAID 5 Out-of-the-box capacity without RAID: 32 TB (4x8 TB)
RAID	Factory RAID level: 5 Supported RAID levels: 0, 1, 5, 6, 10
Power	2 x 600 W hot-plug redundant power supplies (included) (100–240 V AC, 7.1–3.6 A, 50/60 Hz)
Power consumption	Average: 127 W (433 BTU/h) Maximum: 158 W (539 BTU/h)
Connectors	Front side: 1x USB 2.0 1x iDRAC direct port Rear side: 1x USB 2.0 1x USB 3.2 1x VGA 1x Serial port 1x iDRAC dedicated Ethernet port 2x RJ45 1 Gbps

Video

Video streaming Not intended for local viewing of video.
Recommended to use Axis workstations

General

Operating system	Microsoft® Windows® 10 IoT Enterprise LTSC 2021 Built-in operating system recovery: yes Operating system drive: 240 GB SSD
Remote server management	iDRAC 9 basic license
Security	Support for encrypted operating system drive and recording drive FIPS 140-2 level 2 certified Trusted Platform Module (TPM 2.0)
Operating conditions	10 °C to 35 °C (50 °F to 95 °F) Humidity 8–80% RH (non-condensing)
Storage conditions	–40 °C to 65 °C (–40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Approvals	EMC EN 55032 Class A, EN 55035, EN 61000-3-2, EN 61000-3-3, FCC Part 2 and 15 Class A, ISED ICES-003 Class A, RCM AS/NZS CISPR 32 Class A, KS C 9832 Class A, KS C 9835, VCCI 32-1 Class A, BSMI Safety IEC/EN/UL 62368-1, EN 62311, NOM-019-SCFI-1998
Compliance	NDAA (National Defense Authorization Act) TAA (Trade Agreements Act)
Dimensions	599 x 482 x 43 mm (23.59 x 19 x 1.7 in), 1U chassis Rail sizing: Type: static Minimum rail mounting depth: 622 mm (24.49 in) Square-hole rack adjustment range: 608–879 mm (23.94–34.61 in) For more information, see the Dell EMC Enterprise Systems Rail Sizing and Rack Compatibility Matrix
Weight	12.9 kg (28.44 lb)
Included accessories	Dell Ready Rails 1U Static Rails, 2x C13 to C14 power cords for rack PDU (Wall plug power cords are not included)
Optional accessories	Axis workstations For more accessories, see axis.com
Services	Next Business Day Onsite Support Keep Your Hard Drive
Warranty	5-year warranty, see axis.com/warranty

AXIS Camera Station

For details about AXIS Camera Station features and functions, see the AXIS Camera Station datasheet on axis.com

Environmental responsibility:
axis.com/environmental-responsibility

I2C TECHNOLOGIES, LTD.

STANDARD TERMS AND CONDITIONS

All orders placed with I2C Technologies, Ltd. ("I2C") are subject to the following terms and conditions of sale (the "Terms"):

- Acceptance.** All quotations issued by I2C are subject to change by I2C at any time prior to acceptance and are automatically void if not accepted within 30 days after the date appearing on the quotation. No purchase order or other document from Customer, or term or condition inconsistent with or in addition to these Terms, will be binding upon I2C unless approved in writing by an authorized I2C representative. I2C hereby objects to and rejects any and all of Customer's terms and/or conditions inconsistent with or in addition to these Terms.
- Pricing and Shipping.** Unless otherwise agreed in writing by an authorized representative of I2C (i) prices for equipment and materials (collectively, the "Equipment") and services will be the prices set forth in the quotation in U.S. Dollars (the "Purchase Price"); and (ii) a 50% down payment of the Purchase Price is required prior to shipping and/or installation, whichever occurs first, and the remaining 50% of the Purchase Price is due immediately upon installation of the Equipment. Customer hereby acknowledges and agrees that the Equipment includes a software deactivation system that will render the Equipment inoperable if final payment of the Purchase Price is not made within 7 days of installation of the Equipment, and that Customer will incur interest charges in the amount of 1.5% per month on all unpaid balances beyond the payment due date. Customer is responsible for any and all federal, state and local taxes associated with Customer's purchase of the Equipment. Title to the Equipment and all risk of loss or damage to the Equipment will pass to Customer at the time the Equipment is transferred by I2C to a commercial carrier, and/or installed, whichever occurs first. All delivery and installation dates are estimates, and in no event will I2C be liable for any form of damages associated with or arising from a delay in delivery and/or installation.
- Equipment Installation; Monitoring Service; Initial Training.** Customer agrees to grant I2C and/or its representatives, reasonable access to Customer's facility during normal business hours for the purpose of installing the Equipment, if applicable. Customer acknowledges that remote access to its system is only supported if the Customer already has an existing firewall that supports Virtual Private Network (VPN) access to the Customer's network or if a VPN firewall has been included as part of Customer's purchase from I2C. If Customer elects to use internal resources or an outside company to provide the "structured cabling" portion of the installation, Customer must satisfy all of the following standards: a) all network connectivity must conform to the TIA/EIA 568 B Wiring Standards for Network Cabling; b) each camera location requires a "biscuit" style 1 port RJ-45 jack to be mounted within 12 feet of the planned camera/access control location; c) a properly terminated patch panel must be placed at each network closet where camera/access control connections are terminated; d) power/other connection cabling must be left with a minimum of 12 feet of looped cabling at each end of a given cabling run; and e) cabling must be properly installed and supported in ceiling runs according to all applicable building codes/guidelines. Customer agrees to correct any "structured cabling" errors at Customer's sole cost. I2C reserves the right to charge Customer, and Customer agrees to pay to I2C, \$120 per hour for each hour I2C spends troubleshooting incorrectly installed cabling. Customer acknowledges and agrees that each camera included with the Equipment requires 14GB (Gigabytes) of storage space per day for continuous recording, and that the amount of storage required for archiving is dramatically reduced by the use of motion detectors that limit recording time to only those times when motion is present in the desired area. Customer acknowledges and agrees that less than 85% of the hard disk drive space referenced in the quotation is available for storage of video archives, and that at least 15% of the hard disk space is required for system applications and processes. Upon the successful installation of the Equipment, and provided that Customer purchases the I2C Software and permits I2C to remotely access the Equipment, I2C will periodically monitor the Equipment from a remote location for a period of 90 days after installation for the purpose of determining whether the Equipment is operational ("System Health Monitoring"). Customer acknowledges and agrees that the sole purpose of the foregoing monitoring is to determine operability of the Equipment, and that I2C

will use commercially reasonable efforts to notify Customer of any inoperability in the system within 8 business hours of I2C learning of the same. If the Equipment is found to be inoperable, Customer's sole remedy will be the Limited Warranty provisions contained in these Terms, and in no event will I2C be responsible or liable to Customer for any direct, indirect, consequential, incidental, punitive or special damages resulting from, or in any manner relating to, the inoperability of the Equipment. Customers who do not purchase the I2C Software will not receive the 90 days of System Health Monitoring. System Health Monitoring beyond the 90 day grace period is only available if the Customer purchases the Extended Service Agreement. I2C will provide the Customer with 2 hours of training on how to use the Equipment and Software, if applicable. Additional training and Software enhancements are available for an additional fee.

- Limited Warranty.** Except and unless the Customer pays for and enters into an Extended Service and Warranty Agreement with I2C, the following limited warranty will apply: I2C warrants that the Equipment sold hereunder shall be free from defects in material and workmanship for a period of one year after delivery or installation, whichever occurs first, and I2C warrants all services performed for a period of 90 days after installation, provided in both instances that Customer notifies I2C of any defect in writing and in accordance with these Terms within 10 working days after Customer's discovery of a defect (the "Limited Warranty"). I2C's obligations under the Limited Warranty are limited to repair or replacement of the defective Equipment, or component thereof, and/or the provision of additional services, as determined by I2C in its sole discretion. Repair of the Equipment, or a component thereof, or the provision of additional services does not renew or extend the term of the Limited Warranty. The Limited Warranty does not extend to Customer's agents or customers, and does not apply to any Equipment that, in I2C's sole discretion, has been repaired, modified, subject to misuse, abuse, alteration, improper handling, or improper testing or installation whether by accident, negligence, or other cause. Equipment failures do not include damage caused by external sources or Acts of God. EXCEPT FOR THE LIMITED WARRANTY, I2C DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES WITH RESPECT TO NONINFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE AND I2C SPECIFICALLY DOES NOT WARRANT THAT THE EQUIPMENT WILL FUNCTION UNINTERRUPTED OR ERROR FREE. I2C ALSO DOES NOT WARRANT THE USE OF THE EQUIPMENT, SOFTWARE NOR, AND/OR ANY OF THEIR RESPECTIVE COMPONENTS AS ANY TYPE OF SECURITY OR PROTECTION SYSTEM. NO WARRANTIES OR REPRESENTATIONS AT ANY TIME MADE BY ANY I2C REPRESENTATIVE WILL BE EFFECTIVE TO VARY OR EXPAND THE ABOVE-REFERENCED LIMITED WARRANTY OR ANY OTHER TERMS THEREOF. All Warranty claims must be submitted to I2C's Service Department, 1549 Boettler Rd., Suite D, Uniontown, Ohio 44685, in writing and include the following information: a) purchase order number; b) date of claim; c) product serial number(s); d) original delivery date; e) total operating time (if applicable); f) reason for return; and g) certification by Customer's duly authorized representative concerning accuracy of above information. I2C will return all incomplete Limited Warranty claims to the Customer for completion. Upon receipt of a complete Limited Warranty claim from Customer, I2C will evaluate the claim and determine, in its sole discretion, whether the Limited Warranty applies. If the Limited Warranty applies, I2C will repair or replace the Equipment, or component thereof, at Customer's site if feasible. If I2C cannot repair or replace the Equipment, or a component thereof, at Customer's site, I2C will authorize the Customer in writing to return the Equipment, or component thereof, to I2C. Upon repair or replacement of the Equipment, or a component thereof, I2C will return the Equipment to Customer's site. If Customer has a valid Limited Warranty claim, I2C will reinstall the Equipment for Customer at no cost to the Customer. If Customer does not have a valid Limited Warranty claim, I2C will reinstall the Equipment at I2C's then current hourly fee. If Customer is authorized to return the Equipment to I2C and Customer has a valid Limited Warranty claim, I2C will reimburse Customer for reasonable shipping costs

I2C TECHNOLOGIES, LTD.

STANDARD TERMS AND CONDITIONS

associated with the return of the Equipment to I2C. I2C will have no responsibility for unauthorized returns or invalid Limited Warranty claims.

5. **Limitation of Liability; Reservation of Rights.** I2C WILL NOT BE LIABLE FOR ANY INDIRECT, CONSEQUENTIAL, INCIDENTAL, PUNITIVE OR SPECIAL DAMAGES RESULTING FROM, OR IN ANY MANNER RELATING TO, THE EQUIPMENT, OR ANY COMPONENT THEREOF, SOLD HEREUNDER, THEIR DELIVERY, NON-DELIVERY, DESIGN, OR THE CUSTOMER'S INABILITY TO USE THE SAME, WHETHER SUCH DAMAGES ARE CLAIMED UNDER CONTRACT, TORT, OR ANY OTHER LEGAL OR EQUITABLE THEORY. IN NO EVENT WILL I2C'S TOTAL LIABILITY HEREUNDER EXCEED THE PURCHASE PRICE OF THE SERVICES OR EQUIPMENT, OR A COMPONENT THEREOF, GIVING RISE TO THE LIABILITY. THE CUSTOMER IS ULTIMATELY RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS REGULATING VIDEO AND AUDIO SURVEILLANCE OF EMPLOYEES OR THIRD PARTIES ON THE CUSTOMER'S PROPERTY. THE CUSTOMER IS SOLELY RESPONSIBLE FOR LIABILITY AND COSTS ASSOCIATED WITH NONCOMPLIANCE. THE CUSTOMER ACKNOWLEDGES THAT I2C IS NOT PROVIDING LEGAL ADVICE, AND TO THE EXTENT LEGAL ADVICE IS REQUIRED, THE CUSTOMER SHOULD CONSULT WITH AN ATTORNEY REGARDING APPROPRIATE USE OF VIDEO AND AUDIO SURVEILLANCE EQUIPMENT AND TECHNOLOGY.

6. **Force Majeure.** I2C will not be liable for its failure to perform hereunder, in whole or in part, due to contingencies beyond its control including, but not limited to, acts of God, acts of the Customer, fires, floods, wars, sabotage, accidents, labor disputes or shortages, governmental laws, ordinances, rules and regulations, whether valid or invalid (including, but not limited to requisitions, allocations, and/or price adjustment restrictions) and/or I2C's inability to obtain material, equipment, or transportation. During the period of contingency, I2C will have the right to omit all or any portion of the quantity deliverable during such period, whereupon, the total quantity deliverable under this Agreement will be reduced by the quantity so omitted. If, due to any such contingency, I2C is unable to supply the total demands for any Equipment, or component thereof, specified in the quotation or any order, I2C will have the right to allocate its available supply among its customers and its departments, divisions, subsidiaries, and affiliates in such manner as I2C, in its sole discretion, deems fair and equitable.

7. **Infringement.** I2C makes no representation or warranty, and nothing herein or elsewhere contained will be construed as a representation or warranty by I2C, that any Equipment, or component thereof, covered by these Terms, or the use thereof by the Customer, will be free from infringement of any patent, trademark, service mark, copyright or other form of intellectual property (collectively, "Intellectual Property"). If the Equipment, or any component thereof, encompasses any feature, construction, or design at Customer's request, or pursuant to specifications, drawings and/or designs furnished by the Customer, or should any additions, changes or modifications be made by Customer to the Equipment, Customer agrees to indemnify, defend and hold I2C, and its members, officers, employees, agents, contractors, successors and assigns, harmless against any and all liability, losses, damages and/or claims of Intellectual Property infringement asserted against I2C (including reasonable attorney's fees and costs).

8. **Indemnification.** Customer agrees to indemnify, defend, and hold I2C, and its members, officers, employees, agents, contractors, successors and assigns, harmless against any and all liability, losses,

construed in accordance with the laws of the State of Ohio, other than those relating to conflicts of law. All disputes arising hereunder must be resolved in the Summit County Court of Common Pleas, Summit County, Ohio or the U.S. District Court for the Northern District of Ohio and the parties agree to submit to the exclusive jurisdiction of said courts. Customer represents and warrants to I2C that it will comply with all applicable federal, state and local laws, rules, and regulations pertaining to the use of the Equipment. Any clause required to be included herein by any applicable law or administrative regulation having the effect of law shall be deemed to be incorporated herein. These Terms, the Quotation and the Extended Service and Warranty Agreement, if applicable, constitute the entire agreement between the parties and supersede any and all previous representations or agreements, either verbal or written, between the parties.

adopted 2-13-2023
ess. 2-13-2023
P. 7-0

ORDINANCE NO.: 13-2023

SPONSORED BY: MAYOR MATTHEW A. BURKE

Cosponsored

All of Council

AN EMERGENCY ORDINANCE AUTHORIZING AND DIRECTING THE MAYOR OR HIS DESIGNEE TO ENTER INTO AN AGREEMENT WITH BURGESS AMBULANCE SALES, INC. TO REPLACE THE CHASSIS OF ONE 2007 GARFIELD HEIGHTS RESCUE SQUAD

WHEREAS, The City of Garfield Heights currently has several older rescue squads in need of repair or replacement, and

WHEREAS, Burgess Ambulance Sales, Inc. offers a service that would allow the City to remove the ambulance box from its current 2007 chassis and reattach it to a brand new 2024 Freightliner M2 Chassis, and

WHEREAS, this process would allow the City to extend the lifetime of its current squad at a cost approximately \$150,000.00 less than the cost of purchasing a brand-new squad, and

WHEREAS, per Ohio Revised Code Section 125.04(C) governmental agencies may purchase equipment/services without bidding so long as the equipment/service has been purchased for less than or equal to the cost of the state contract, and

WHEREAS, accordingly, the City wishes to enter into an agreement with Burgess Ambulance Sales, Inc. to purchase said service upon equivalent terms, conditions, and specifications through State of Ohio, Department of Administrative Services, Contract #STS #800935, Contract ID CTR006948-A1 at a total cost not to exceed \$200,000.00.

NOW, THEREFORE, BE IT ORDAINED by the Council of the City of Garfield Heights, Ohio, that:

SECTION 1. The Mayor or his designee is hereby authorized and directed to enter into an agreement with Burgess Ambulance Sales, Inc. for a total amount not to exceed \$200,000.00 (quotation attached hereto as Exhibit A and incorporated as if fully written within) for the aforementioned purposes.

SECTION 2. The Finance Director is hereby authorized and directed to issue her vouchers of the City for the purpose set forth in Section 1 hereof, said amount to be charged to the appropriate Fund.

SECTION 3. Council declares this Ordinance to be an emergency measure necessary for the preservation of the public health, safety and welfare; therefore, this Ordinance shall be in full force and effect immediately upon the adoption by Council and approval by the Mayor; otherwise from and after the earliest period allowed by law.

PASSED: 2-13-2023

APPROVED: Matthew A. Burke
MAYOR

Therese Vaughn
PRESIDENT OF COUNCIL

ATTEST: Lottie Overly
CLERK OF COUNCIL

EFFECTIVE DATE: 2-13-2023



1/27/2023

Garfield Heights Fire Department
Attn: Chief Kenneth Strope

Dear Chief Strope,

If you wish to purchase through the Burgess Remount Program (Ohio Buys (formerly STS) State Contract #800935, Contract ID CTR006948-A1), the following is a proposal for one (1) remount of your current Braun module, mounted to a 2024 or newer Freightliner M2 chassis (delivery estimated sometime in 2024) for the sum of **\$199,709.00**. This price includes all standard Base Remount features, plus the additional Customer Requested options listed in the enclosed work order.

The options included are:

- **Freightliner Base Remount** **\$131,932.00**
 - 2024 or Newer Freightliner M2 Chassis
 - Pre-inspection and Dismount
 - Transportation (From your facility to ours and back)
 - Remount (including all wiring, tie in's, cab seal, and mounting equipment)
 - Electronic Idle Control
 - Chassis Console (customer supplied)
 - Phoenix Air Fill Extensions
 - ADP Running Boards
 - Secondary Alternator
 - New LED Chassis Lighting
 - Siren Speakers
 - Buff, Wax, and Detail
 - Customer Inspection

- **Customer Requested Options:** **\$67,777.00**
 - New Excel Electrical System **\$12,325.00**

○ New Paint, Stripe, and Lettering to Match	\$23,250.00
○ New Whelen LED Wheel Well Lights	\$1,200.00
○ New Whelen LED Dome Lights and Florescent LED Inserts	\$2,500.00
○ New Door Hardware	\$4,122.00
○ New Diamond Plate on Module	\$9,250.00
○ New HVAC System	\$8,905.00
○ New LonSeal Flooring	\$4,225.00
○ Plug Hole in Cpt. 2, Fix Wall/Floor in Cpt 4	\$1,500.00
○ New Digital Clock	\$500.00

***Should you wish to purchase this remount on an International MV Chassis (delivery estimated end 2023/early 2024), the total price will be \$216,401.00.**

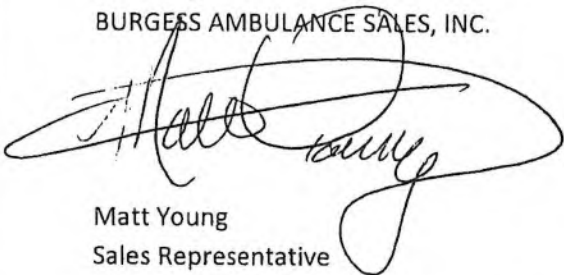
***Should you wish to purchase an extended warranty through Freightliner, please add \$1,500.00 to the above quoted price.**

***Due to major supply chain issues, this price can only be guaranteed for 30 days. After 30 days, it must be requested. Prices are increasing almost weekly, and once your contract is signed, your price will be locked in.**

All new units are covered under the standard Remount warranty (12mo, 12k miles workmanship warranty, plus parts per manufacturer coverage). Delivery of this unit will be 180-220 days after receipt of chassis. Payment in full is due upon delivery.

Please call me with any questions or concerns at 800-541-9518.

Sincerely,
BURGESS AMBULANCE SALES, INC.



Matt Young
Sales Representative



	Standard Coverage	Extended Coverage
Cummins Engines	5 years / 100,000 miles	6, 7, or 8 years / 100,000 miles
Cummins Aftertreatment	5 years / 100,000 miles	TBD
Allison Transmissions	5 years / unlimited	None
Chassis: Basic Freightliner Warranty	Yes	No
Chassis: Truck Coverage 1	No	Yes
Chassis: Truck Coverage 2	No	Yes
Chassis: Truck Coverage 3	No	Yes
Chassis: Truck Coverage 4	No	Yes
Front Axle	See basic FTL Warranty	Yes
Towing	TBD	Yes
Other		

Notes
See Cummins engines tab
There should be companion ATD coverages, to-be-determined
See attached pdf "FTL_MediumTruck_01032019"
See Truck Coverages Overview tab and attachments
See Truck Coverages Overview tab and attachments
See Truck Coverages Overview tab and attachments
See Truck Coverages Overview tab and attachments
See Alxes tab
See towing tab
Extended suspension and cooling coverages are available, roadside assistance program

Seither
Reg 2nd
Two Readings

ORDINANCE NO.: 14-2023

SPONSORED BY: MAYOR MATTHEW A. BURKE

Co Sponsor:

All of Council

AN EMERGENCY ORDINANCE AUTHORIZING AND DIRECTING THE MAYOR OR HIS DESIGNEE TO ENTER INTO A PURCHASE AGREEMENT WITH TOYNE, INC. FOR THE PURCHASE OF A 2024 TOYNE FIRE ENGINE .

WHEREAS, The City of Garfield Heights wishes to enter into an agreement with Toyne, Inc. to purchase one (1) Toyne 1500 GPM, 750-gallon Pumper built on a Spartan Metro Star chassis on a Toyne Bolted Stainless steel body, and

WHEREAS, the purchase of a new engine will allow the City to replace a 1997 fire engine, which the City purchased used from the City of Lakewood years ago, and

WHEREAS, the total cost of the fire engine will not exceed \$663,000.00, and

WHEREAS, the engine is available for purchase without bidding through the City's membership with Sourcewell (formerly National Joint Powers Alliance) under NJPA Contract 022818-TOY.

NOW, THEREFORE, BE IT ORDAINED by the Council of the City of Garfield Heights, Ohio, that:

SECTION 1. The Mayor, or his designee, is authorized and directed to enter into a purchase agreement with Toyne, Inc (attached hereto as Exhibit A and incorporated as if fully written within). to purchase a 2024 Toyne Fire Engine for a cost not to exceed \$663,000.00.

SECTION 2. The Finance Director is directed to issue her vouchers of the City for the purpose set forth in Section 1 hereof.

SECTION 3. Council declares this Ordinance to be an emergency measure necessary for the immediate preservation of the public health, safety, and welfare and shall be in full force and effect immediately upon its adoption by this Council and approval by the Mayor, otherwise from and after the earliest period allowed by law.

PASSED: _____

APPROVED: _____
MAYOR

PRESIDENT OF COUNCIL

ATTEST: _____
CLERK OF COUNCIL

EFFECTIVE DATE: _____



PROPOSAL TO FURNISH FIRE APPARATUS

TO: GARFIELD HEIGHTS FIRE DEPARTMENT

DATE: 01/26/2023

DEALER: TRI STATE FIRE-RANDY SMALLEY

Toyne, Inc. hereby proposes to manufacture and furnish you, subject to your acceptance of this proposal and the proper signing and execution of the attached contract or purchase order, by the parties thereto, the apparatus and equipment herein described and for the following prices listed below. In the event the uses his own purchase order or its own contract pages in lieu of signing the attached contract, it shall be understood by all parties that all terms and conditions of the attached contract and addendum(s) shall take precedence over any and all other documents.

One (1) Toyne 1500 GPM, 750-gallon Pumper built on a Spartan Metro Star chassis on a Toyne Bolted Stainless steel body:

Six-hundred ninety thousand, six-hundred eight five dollars, and seventy nine cents.

\$690,685.79

Pricing above is only good until February 16, 2023

*Prepayment of Chassis upon arrival at Toyne Fire Apparatus, in Breda Iowa shall show an approximate discount of: \$ 28,230.99. Bringing the apparatus total to **\$662,454.80** Additional pre-payment discounts are available upon request*

Price includes inspection trip to plant for (2) TWO personnel, if additional personnel beyond the two are required, add, \$1500.00 per person.

No federal, state or local taxes are included.

Delivery shall commence within 695 calendar days

All apparatus and equipment shall be manufactured in accordance with the attached specifications with the same specifications becoming a part of the contract. Delivery shall be made within the time specified below after receipt and acceptance by TOYNE, INC. of the properly signed and executed contract and addendum(s). The delivery time indicated is based on the best delivery knowledge available at this time. Delivery shall be contingent upon delays or failure to deliver from our suppliers, delays caused by, or resulting from labor problems, chassis shortages, strikes, fire, flood, accidents or other acts of God, or any other circumstances which are beyond the control of this corporation.

TERMS OF PAYMENT: All apparatus shall be paid NET UPON DELIVERY AND ACCEPTANCE. In the event equipment shortages occur, the PURCHASER is to pay full purchase price less a 5% retainage for such shortage. Any amount deducted is then payable upon receipt and acceptance of such shortages.

All prices or quotations are subject to change or withdrawal unless accepted within 60 days from the date herein set forth.

BY: _____

Authorized Sales Representative, Toyne, Inc.

ORDINANCE NO.:

15-2023

adopted 2-13-2023

ess - 2-13-2023

P. 7-0

SPONSORED BY:

Cosponsor

MAYOR MATTHEW A. BURKE

All of Council

AN EMERGENCY ORDINANCE AUTHORIZING AND DIRECTING THE MAYOR OR HIS DESIGNEE TO ENTER INTO AN AGREEMENT WITH TELETRONICS, INC. FOR THE PURPOSE OF PROVIDING WIDE AREA NETWORK (WAN) SUPPORT

WHEREAS, in Ordinance 09-2021, City Council authorized the City of Garfield Heights to enter into a contract with Teletronics, Inc to serve as technical support for the City's Wide Area Network (WAN) for a period of 24 months, and

WHEREAS, the phone system, servers and computers used by the City are connected through fiber optics, creating a WAN, which the City uses to perform day-to-day operations, and

WHEREAS, as the City's reliance on computer technology increases, the task of monitoring, maintaining and repairing the network increases as well, and

WHEREAS, the Mayor believes that it is in the City's best interest to enter into a Data Network Managed Services contract with Teletronics, Inc. to provide 24/7/365 technical support to the City for a period of 12 months, and

WHEREAS, the cost to the City shall not exceed \$44,000.00.

NOW, THEREFORE, BE IT ORDAINED by the Council of the City of Garfield Heights, Ohio, that:

SECTION 1. The Mayor or his designee is hereby authorized and directed to enter into an agreement (attached hereto as Exhibit A and included as if fully written within) with Teletronics, Inc. for the purpose of WAN technical support.

SECTION 2. The Finance Director is hereby authorized and directed to issue her vouchers of the City for the purpose set forth in Section 1 hereof, said amount to be charged to the appropriate Fund.

SECTION 3. Council declares this Ordinance to be an emergency measure necessary for the immediate preservation of the public health, safety, and welfare and shall be in full force and effect immediately upon its adoption by this Council and approval by the Mayor, otherwise from and after the earliest period allowed by law.

PASSED: 2-13-2023

APPROVED: Matthew A. Burke

MAYOR

Therese Vaughn
PRESIDENT OF COUNCIL

ATTEST: Lottis Overly

CLERK OF COUNCIL

EFFECTIVE DATE: 2-13-2023

TTx
PRESENTS

IT MANAGED SERVICES



Prepared For:

Bruce Hobson
City of Garfield Heights

Prepared By:

Ben Farina
TTx, Inc

Date:

02/03/2023

We strive to be the most trusted
partner you've
ever worked with,
Period.



February 3, 2023

Dear Bruce

Thank you for the opportunity to present this PROXi IT Managed Services contract for your review and approval. We greatly appreciate it!

Our goal in offering these services is to help align the IT function of your organization to the overall business goals and objectives. The breadth of our business and technical leadership combined with the depth of our operations and engineering team form the foundation for these services.

This scope of work describes the primary deliverables of our PROXi IT managed services offering. Our aim is to provide you with an enterprise-grade outsourced IT solution that allows your business to function as efficiently and resiliently as possible. With our seasoned engineering staff at the ready to handle the most complex IT needs, we are confident you have partnered with a team that can meet and exceed your expectations.

You can expect TTX to communicate with you proactively and own the outcome of managing your business' information technology so you can rest assured that IT is handled, day in and day out. We strive to be the most trusted partner you've ever worked with, period.

Sincerely,

Ben Farina

Strategic Account Manager

TTX, Inc

22550 ASCOA COURT
STRONGSVILLE, OH 44149

(844) 886-2836

ttx-inc.com



IT Managed Services

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IV.	Brand Vision	pg. 10



SCOPE OF WORK

PROXi | TTx Managed IT Services

Fully Managed Onboarding

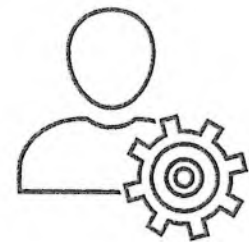
Our experienced and proactive project management team has led hundreds of client onboarding engagements. A TTx Project Manager will be your dedicated point of contact and will see your organization through the onboarding.

We will coordinate according to your scheduling needs, so the timing makes sense for everyone involved, giving you transparency and control from the start.

During this phase you'll get to know your TTx support team, with introductions to your primary senior systems engineer, director of technology, and additional operations staff.

We will provide instructions on connecting with support and will deploy our remote support software, as well.

Additionally, we will run a complimentary network vulnerability scan to gain a snapshot of overall network health. This helps facilitate conversations with your vCIO when it comes to cybersecurity maturity.



24/7/365 Support



Support calls are answered live during business hours (8am-5pm Eastern). During evening hours and on weekends/holidays, the on-call team is alerted for emergency calls.

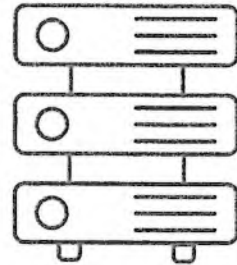
Using our best-in-class ConnectWise ticketing system, every support request is tracked from start to finish, providing you with the insight and metrics you need to track IT support requests and to have transparency into our support process.

Proactive Server/Endpoint Monitoring, Patching, and Reporting

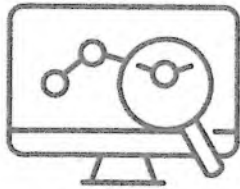
Our automated solutions not only patch your systems according to our best-practices maintenance schedule, but we also proactively alert on systems that may be out of compliance. We take an active stance to wisely propagate critical and security patches as soon as possible within 30 days of release.

Server up/down status is closely monitored by our tools, as well. When a server is down, our team is automatically alerted and immediately begins triage.

You'll also receive report cards on endpoint and server health during our quarterly business review cycle via our BrightGauge reports.



Proactive Network Device Monitoring



Your network infrastructure uptime is critical because your business uptime is critical. Our network probe monitors the up/down status of your routers, firewalls, and switches, and alerts our support team when something goes offline.

Tickets are automatically generated and triaged by NOC engineers in real-time, so we are able to keep your downtime to a minimum and keep you up and running.

Through this device monitoring, we'll also be able to keep tabs on the firmware versions running on these devices, so their critical and security patches remain up to date.

Change Management

Standard Moves/Adds/Changes/Deletes are included in your agreement. Examples of these MACD's are new users, rule updates, and simple configuration changes to existing systems. Out-of-scope examples include new installations, migrations, or project work.

Change management is processed through the ConnectWise ticketing system, providing tracking and reporting on all changes. Creating and maintaining this system of records helps not only in fulfilling requests for support and changes, but also feeds into the transparency we strive to maintain as your most trusted partner.



PROXi Virtual CIO

Navigating IT successfully is a challenge for any organization. That's why we include a PROXi Virtual CIO to come alongside your business leaders in guiding the IT function at your organization.

Your PROXi vCIO has the experience, skill set, and certifications to wisely advise in the following key areas:

- **General IT Leadership**
Your virtual CIO will run in parallel with you and your C-suite to help make the best strategic decisions for your organization.
- **Business Continuity / Disaster Recovery**
Resilience for **your** business is a top priority for **our** business! Your vCIO knows the ins and outs of BC/DR best practices.
- **Information Security**
We'll be your trusted partner in assessing and recommending a suite of security solutions that will help you be as secure as possible.



OUTSIDE OF SCOPE

Our mutual success depends upon setting expectations for the scope of services under this agreement. For this reason, we want to take a minute and comment on some common out-of-scope items.

- On-site support requiring dispatch of technicians
- Project work in addition to typical everyday support
- Parts, equipment, or software not covered by manufacturer/vendor warranty or support
- Costs of any parts, equipment, software, licensing, renewal or upgrade fees, or shipping/handling related to remediation efforts
- Costs of any 3rd party vendor or manufacturer support or incident fees of any kind
- Any service or repair made necessary by the alteration, installation or modification of equipment, software, services, settings, policies, etc., made by the client's employees or anyone other than TTx
- Training services other than those instructions and/or assistance provided by TTx in the normal course of support and remediation
- Failure due to acts of God, construction, building modifications, power failures or other adverse environmental conditions or factors
- Security services or software including antivirus, email filtering, spam filtering, formal security reviews, penetration testing, incident response, compliance, business continuity planning, or disaster recovery services
- Security services including NGAV, formal security reviews/penetration testing, compliance programs, managed response, business continuity planning, disaster recovery services. All of these are available as additional options.

- Standard Hourly Rates
 - Standard business hours: \$150/hr
 - After hours & weekends: \$225/hr
 - Holidays: \$350/hr

SERVICE LEVEL AGREEMENTS

PROXi | TTx Managed IT Services

At TTx, we are committed to the highest levels of responsiveness at the point of deepest need. As such, we provide these Service Level Agreements (SLAs). SLAs apply to TTx response times during normal business hours (8AM-5PM Eastern) and do not include remediation time.

Severity	Response Time	Description
Emergency Calls	Immediate Live Response (8-5, M-F)	Emergency outage
1 – Critical	1 Hour	Business Degradation / Service Interruption
2 – Medium	4 Hours	Important Issues / Configuration
3 – Low	8 Hours	Minor Impact Issues / Programming

Keep in mind that the above chart is our *maximum* response-time commitment and is based on the severity of the situation. Even so, we regularly exceed these maximums by a huge margin with an average response time that is measured in minutes, not hours. Our help desk answers live calls during standard business hours 8am-5pm, Monday through Friday, Eastern Time. After hours calls are monitored and responded to by our dedicated on-call engineers.

About Response Time

When we say “response time,” we mean that a real person is actively assigned and engaged in remediation efforts to bring your issue to resolution. We train our team to own the outcome from start to finish when a client is in need. This is more than acknowledging that a ticket has come in. This is eyes on the problem and engineers working on resolution.



IT Managed Services

CONTRACT APPROVAL

PROXi | TTx Managed IT Services

All MSP agreements are month-to-month. We strive to earn your trust every day, and we believe this sets us apart in the market. As such, a 1-month onboarding cost (non-recurring) and 60-day written cancellation notice are required in order to procure and/or terminate this contract.

Scope of Work

- Servers – 2 Host, 8 Virtual \$200 per server per month
- Wireless Systems – N/A
- Network Devices – 4 Firewalls, 19 Ethernet Switches \$80 per device per month
- Endpoints –N/A
- One-time Onboarding – N/A

Cost & Terms

- | | |
|---|--------------------|
| • One-time onboarding project | \$0.00 |
| • Monthly Recurring costs | \$3840.00 |
| • 12 Months Paid Up Front | \$46,080.00 |
| • TTx Discounted Price 12 Months Paid Up Front | \$43,776.00 |
| • Invoiced upon acceptance with payment due upon receipt. | |

Ben Farina
02/03/2023
TTx

Bruce Hobson
02/03/2023
City of Garfield Heights





IT Managed Services

BRAND VISION

PROXi | TTx Managed IT Services

Words Into Action

*"We strive to be the most trusted partner
you've ever worked with, period."*

Those words are much more than marketing fodder for our website and sales literature. Rather, they represent the heart not only of how we envision the TTx brand going forward but also of how we operationally strive to deliver our products and services.

As a core-value driven company working to put people first in everything we do, we are committed to the highest levels of responsiveness at the point of deepest need. As such, the SLAs we provide and the metrics by which we demonstrate our value to our partners are right out in the open.

We are applying our brand vision in the most practical ways we can to demonstrate the fact that our values drive our actions:

- We are accountable to real-time results displayed publicly on our website. Using Smileback customer satisfaction tools, we're actively opening the conversation on our own performance in full view of our partners.
- Scorecarding ourselves proactively, we deliver quarterly reports based on our published SLAs. This puts our performance directly in front of the decision-makers that hired us to do the work we said we'd do. When we miss an SLA (which happens less than 98% of the time), we own that miss and course-correct in the spirit of continuous improvement.
- Leveraging our BrightGauge platform, we're able to provide service-performance dashboards that feature drill-down metrics on all critical service components. What we monitor, you can monitor... and we proactively engage with you in this context!

Suffice it to say that we're putting our vision into action, not just coming up with clever phrases that make us look like we know what we're doing. Our growing leadership team is laser-focused on delivering this brand vision now and in the future. We're excited for you to join us!



eff 2-13-2023
adopted 2-13-2023
P. 7-0

ORDINANCE NO.: 16-2023

SPONSORED BY: MAYOR MATTHEW A. BURKE

AN EMERGENCY ORDINANCE AUTHORIZING AND DIRECTING THE MAYOR OR HIS DESIGNEE TO ENTER INTO AN AGREEMENT WITH TELETRONICS, INC. FOR THE PURCHASE AND INSTALLATION OF SWITCHES TO POWER/OPERATE SECURITY CAMERAS

WHEREAS, In Ordinance 12-2023, this Council approved the Mayor entering into an agreement for the purchase and installation of security cameras throughout all municipal buildings, and

WHEREAS, in order to install said cameras, the City must enter into an agreement with Teletronics, Inc. for the purchase and installation of switches (hardware used to provide internet / power to the cameras), and

WHEREAS, the total cost of the equipment will not exceed \$13,000.00 and shall be paid entirely from collected ARPA grant funding.

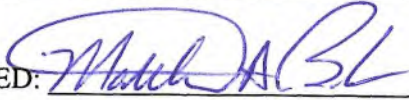
NOW, THEREFORE, BE IT ORDAINED by the Council of the City of Garfield Heights, Ohio, that:

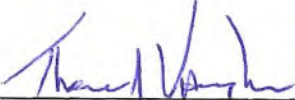
SECTION 1. The Mayor or his designee is hereby authorized and directed to enter into an agreement with Teletronics, Inc. in a total amount not to exceed \$13,000.00 (quotation attached hereto as Exhibit A and incorporated as if fully written within) for the aforementioned purposes.

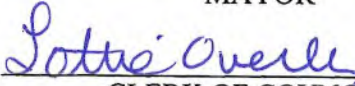
SECTION 2. The Finance Director is hereby authorized and directed to issue her vouchers of the City for the purpose set forth in Section 1 hereof, said amount to be charged to the appropriate Fund.

SECTION 3. Council declares this Ordinance to be an emergency measure necessary for the preservation of the public health, safety and welfare; therefore, this Ordinance shall be in full force and effect immediately upon the adoption by Council and approval by the Mayor; otherwise from and after the earliest period allowed by law.

PASSED: 2-13-2023

APPROVED: 
MAYOR


PRESIDENT OF COUNCIL

ATTEST: 
CLERK OF COUNCIL

EFFECTIVE DATE: 2-13-2023

**Network Project - Ruckus
Ethernet Switches 2023**

Quote #8F1003759 v1



TECHNICALLY, PEOPLE MATTER.

Prepared for
Garfield Hts Justice Center



TECHNICALLY. PEOPLE MATTER.

Items

Description		Price	Qty	Ext. Price
ICX7150-48P-2X10G	ICX 7150 Switch, 48x 10/100/1000 PoE+ po	\$3,176.00	3	\$9,528.00
ICX7150-24P-2X10G	ICX7150 24 Port POE+ 10/100/1000	\$2,250.00	1	\$2,250.00
10G-SFPP-TWX-0101	Brocade DIRECT ATTACHED SFPP ACTIVE COPPER,1M,1-PACK	\$105.00	3	\$315.00
Subtotal:				\$12,093.00

TTX Svcs

Product Description	Ext. Price	
Professional Services 2	\$900.00	
Subtotal:		\$900.00

Quote ID: BF1003759

22550 Ascoa Ct | Strongsville, OH 44149 | P: 216.778.6500 | F: 216.778.6511 | W: www.ttx-inc.com

TECHNICALLY. PEOPLE MATTER.

December 16, 2022

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TECHNICALLY, PEOPLE MATTER.

Network Project - Ruckus Ethernet Switches 2023

Quote Information:

Quote #: BF1003759

Version: 1

Delivery Date: 12/16/2022

Expiration Date: 01/15/2023

Prepared for:

Garfield Hts Justice Center

5407 Turney Rd.

Garfield Heights, OH 44125

Bruce Hobson

(216) 475-5549

bhobson@garfieldhts.org

Prepared by:

TTX Inc

BFarina

216.739.2820

Fax 216.778.6511

Bfarina@ttx-inc.com



Quote Summary

Description	Monthly Services	One Time Fees
Items	\$0.00	\$12,093.00
TTX Svcs	\$0.00	\$900.00
Total:	\$0.00	\$12,993.00

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors.

TTX Inc

Garfield Hts Justice Center

Signature: _____

Name: Ben Farina

Title: Account Manager

Date: 12/16/2022

Signature: _____

Name: Bruce Hobson

Date: _____

Quote ID: BF1003759

22550 Ascoa Ct | Strongsville, OH 44149 | P: 216.778.6500 | F: 216.778.6511 | W: www.ttx-inc.com

TECHNICALLY, PEOPLE MATTER.

December 16, 2022

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eff. 3-15-2023
adopted 2-13-2023
P. 7-0

RESOLUTION NO: 04-2023

SPONSORED BY: COUNCILMAN JASON SEITHER

CO SPONSOR

Vaughn, Johnson, Kelley, Collier, Donahue, Tonsing
A RESOLUTION HONORING AND COMMENDING OFFICER MIKE
MALAK AND OFFICER YOUSSEF IHIRI FOR THE HEROIC RESCUE
OF A WOMAN FROM A BURNING HOUSE

WHEREAS, Garfield Heights Patrolmen, Mike Malak and Youssef Ihiri demonstrated great courage in the line of duty when they rescued a woman from a burning home on February 7, 2023; and

WHEREAS, Officer Mike Malak was patrolling the area when he spotted a significant amount of heavy smoke rising from Garfield Boulevard/Warner Road; he immediately called into dispatch; and

WHEREAS, Officer Youssef Ihiri was patrolling nearby and immediately responded finding the location of the burning house at 4789 E. 84th Street; and

WHEREAS, Officer Malak opened the common door to alert both the up and down units and both officers Malak and Ihiri attempted to make contact and call out to whoever might be inside the residence as the house was engulfed in flames; and

WHEREAS, a woman emerged from the front door of the lower unit of the home after hearing the officers' voices; and

WHEREAS, Once the other units arrived on the scene neighboring homes were successfully evacuated; and

WHEREAS, the fire was eventually extinguished thanks to the effort of several Garfield Heights Firefighters; and

WHEREAS, Officers Malak and Ihiri put themselves in harm's way in order to save the lives of others and the City of Garfield Heights would like to commend their heroism as they have proven to be exemplary members of the law enforcement profession.

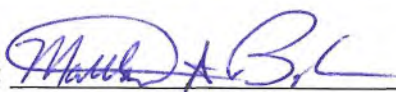
NOW, THEREFORE BE IT RESOLVED by the Council of the City of Garfield Heights, Ohio, that:

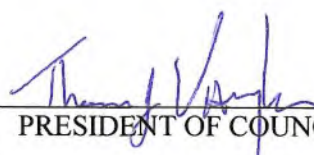
SECTION 1. The Mayor and Council, on behalf of the residents of the City of Garfield Heights, hereby honor and commend Officer Mike Malak and Officer Youssef Ihiri for the heroic rescue of a woman from a burning house.

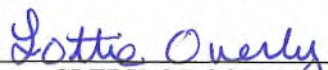
SECTION 2. The Clerk of Council is hereby authorized and directed to transmit a copy of this Resolution to the local news media.

SECTION 3. This Resolution shall be in full force and effect from and after the earliest period allowed by law.

PASSED: 2-13-2023

APPROVED: 
MAYOR


PRESIDENT OF COUNCIL

ATTEST: 
CLERK OF COUNCIL

EFFECTIVE DATE: 3-15-2023

adopted 2-13-2023
ess 2-13-2023
P.7-0

RESOLUTION NO: 05-2023

SPONSORED BY: MAYOR MATTHEW A. BURKE

Cosponsored

All of Council

AN EMERGENCY RESOLUTION AUTHORIZING THE MAYOR, OR HIS DESIGNEE, TO APPLY FOR AND ACCEPT THE 2022 ASSISTANCE TO FIREFIGHTER GRANT THROUGH THE DEPARTMENT OF HOMELAND SECURITY

WHEREAS, The Department of Homeland Security is now accepting applications for grant funding assistance for local fire departments through the 2022 Assistance to Firefighter Grant ("AFG"), and

WHEREAS, the purpose of the AFG Program is to enhance the safety of the public and firefighters with respect to emergency medical services and fire-related hazards by providing direct financial assistance to eligible fire departments, and

WHEREAS, the City would like to use the grant funding to purchase water / ice rescue equipment (including, but not limited to, flotation devices, life jackets, ice-rescue suits, exposure suits, etc.) in anticipation of providing safety support for the new recreational pond being built by the Cleveland Metroparks in Garfield Heights, and

WHEREAS, through the AFG Program, the City can be awarded up to ninety percent (90%) of the total cost of the above-stated equipment; the total cost of the equipment is approximately \$11,000.00 with the City's out-of-pocket costs not to exceed \$1200.00.

NOW, THEREFORE BE IT RESOLVED by the Council of the City of Garfield Heights, Ohio, that:

SECTION 1. The Mayor is hereby authorized and directed to apply for and accept the above-mentioned grant as deemed appropriate for the City of Garfield Heights.

SECTION 2. This Resolution is hereby declared to be an emergency measure necessary for the peace, health, safety, and welfare of the citizens of the City of Garfield Heights, Ohio, and for the daily operation of the Municipal Department and shall be in full force and after passage and approval by the Mayor, otherwise from and after the earliest period allowed by law.

PASSED: 2-13-2023

APPROVED: *Matthew A. Burke*

MAYOR

Theresa Vaughn
PRESIDENT OF COUNCIL

ATTEST: *Lottie Overly*
CLERK OF COUNCIL

EFFECTIVE DATE: 2-13-2023

adopted 2-13-2023
eff. 2-13-2023
P. 7-0

RESOLUTION NO.: 06-2023

SPONSORED BY: MAYOR MATTHEW A. BURKE

CO SPONSOR

All of council

AN EMERGENCY RESOLUTION AUTHORIZING THE MAYOR OR HIS DESIGNEE TO ACCEPT GRANT FUNDING FROM THE OHIO OFFICE OF CRIMINAL JUSTICE SERVICES AS PART OF THE 2023 BODY-WORN CAMERA GRANT PROGRAM

WHEREAS, The City of Garfield Heights has received a grant totaling \$74,357.00 from the Ohio Office of Criminal Justice Services for the purpose of purchasing body-worn cameras for police officers, and

WHEREAS, at this time, the City is putting forth a resolution to accept said funds.

NOW, THEREFORE, BE IT RESOLVED by the Council of Garfield Heights, Cuyahoga County, State of Ohio, that:

SECTION 1. The Mayor, or his designee, is hereby authorized and directed to accept the aforementioned grant funds.

SECTION 2. Council declares this Resolution to be an emergency measure necessary for the preservation of the public health, safety and welfare, and shall be in full force and effect immediately upon its adoption by this Council and approval by the Mayor, otherwise from and after the earliest period allowed by law.

PASSED: 2-13-2023

APPROVED: Matthew A. Burke
MAYOR

Thomas Vaughan
PRESIDENT OF COUNCIL

ATTEST: Lottie Overly
CLERK OF COUNCIL

EFFECTIVE DATE: 2-13-2023