Flushing Community School District Bus Camera RFP

Bids are due and will be opened on Thursday, December 8, 2022 at 3:30 PM

Please send/ drop off completed/ sealed Bids to:

Matt Shanafelt
Superintendent
Flushing Community Schools
522 N. McKinley
Flushing, MI, 48433

Flushing Community Schools is requesting bids to install new/ upgraded camera system on our fleet of 30 school buses.

You may bid on any or all sections of this RFP. Please update Attachment B with any pricing information. Any provided pricing must be good through March 17, 2023.

Project Requirements

1. Current bus fleet information.
    a. The district has 30 buses.
    b. All International buses.
2. The district has the following requirements for a new/ upgraded bus camera system:
   One of two Options (New or upgrade):
   FIRST OPTION: New
    a. Individual DVR on each bus.
        i. Hard Drives on DVR should be SSD or Flash Memory.
            1. If there's a cost difference between these, please provide line item pricing for both.
        ii. HDD drives will be considered as an optional line item cost.
    b. Each camera will be wired and powered by the DVR/bus.
    c. System may have an "Event button" to mark video for easy review.
        i. Prefer ability to mark events when yellow and red bus lights come on.
    d. Camera quality must be at least 1080p.
        i. Need the ability to adjust camera / video quality down to save space if needed.
    e. It is preferred that Stop Arm Cameras should only record when red lights are active.

      i.   Preference is for stop arm cameras to catch license plates of vehicles that run stop signal.

f.   Prefer system alerts on camera outages.

g.   Include optional add-on ability for the bus system to communicate wirelessly and prefer video be automatically synced to the storage server.

      i.   If the system cannot do wireless sync, please provide the process for retrieving video and include any necessary adapters to hook to a standard windows PC.

      ii.   Preference is that DVR have 802.11n or better wireless card.

SECOND OPTION:

a.   Upgraded Software/ Hardware to achieve comparable results integrating our current bus recording system. For current bus recording system details, please contact Flushing Community Schools Transportation Supervisor Chris Atkinson at 810-591-2786.

3.   Please provide quotes for the following bus camera system:

    a.   30 (72-90 Passengers)

      i.   DVR as described in item 2. (Optional, depending on setup)

      ii.   1x Stop Arm Camera (front and rear facing)

      iii.   1x Dash Camera (facing the road)

      iv.   1x Driver seat and 1st 2 rows or comparable

      v.   2-3x Cameras to cover passengers with birds eye view

      vi.   Include line item costs per camera.

      vii. Include optional per bus installation costs

    b.   The camera counts above may be adjusted on a case by case basis dependent on the bus seat configuration.

    c.   Include line item pricing for each model camera included in the proposal.

4.   Central Video Server

    a.   The district will consider an onsite video storage server that can be run in an existing VMware Virtual Server Environment.

      i.   Please provide server specifications and recommended storage.

      ii.   Provide optional cloud hosted server and storage costs.

          1. Include any year one costs and estimated year 2 annual cost.

    b.   Ability to access the video server from Windows based workstations.

      i.   Prefer ability to blur video from video server software.

      ii.   Prefer ability to access DVR and Video Server from mobile devices.

    c.   Ability to link/associate cameras with the buses they are installed on.

    d.   System must retain 30 days of footage for each camera.

      i.   Footage can be retained on the bus or uploaded to the central server.

      ii.   Footage must be accessible remotely over the same wide area network.

    e.   Prefer system alerts when a camera is not functioning.

    f.   All video footage must be recorded.

g. Prefer ability for server to integrate with Active Directory for user login/authentication.

h. Provide video export formats available on the system.

5. Garage Wireless (If necessary for system)

   a. Our garage currently has an existing wireless network.

   b. FCS will provide and install additional Access Points as needed.

6. Provide any annual subscription and maintenance costs

7. Warranty

   a. Please provide standard warranty information on DVR and Cameras.

      i. Describe the warranty process. Onsite, Mail In, Advanced Replacement, etc.

   b. Please provide line item pricing for any extended warranty options.

8. Installation Training

   a. In the event that the district wants to install the cameras, please provide the cost to have a vendor install technician onsite for 1 day to help answer questions that the bus install team may have.

9. End User Training

   a. Please provide 2x half day training opportunities for staff if necessary

   b. Provide costs for adding additional training.

10. Alternate Bids to accomplish upgrade of all 30 busses

    a. Will be considered.

11. Existing Equipment on Buses

    a. There is currently an existing video system in each of the busses. Awarded vendor will need to integrate this equipment or remove in order to install new camera system.

12. Demo Equipment

    a. During the review process of the bid responses, Flushing Community Schools may request a demo unit to be tested on a bus. Vendor must be willing to provide a demo unit for at least 14 days.

FCS Bus Camera RFP 2022

Vendor:	
Vendor Contact:	
Contact's Email:	

Large Bus:	**$0.00**
Onsite Server Costs:	**$0.00**
Cloud Server Costs:	**$0.00**
Onsite Install Training:	**$0.00**
End User Training:	**$0.00**
Total Project Cost:	**$0.00**
Alternate Bid:	**$0.00**

DVR Unit Costs

Item / Description	Model	Quantity	Cost	Subtotal
Base Unit (Describe)				$0.00
Warranty (Describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00
			Total	**$0.00**

DVR Base Unit Specifications	
Storage Capacity	
Storage Type (HDD, SSD, Flash, etc)	
Max Camera Capacity	
Event Marker Button (Yes/No)	
GPS Connection (Yes/No)	
Wireless Connection (Yes/No)	

DVR Upgrade Costs				Line Item Cost
Additional storage capacity				$0.00
GPS Connection				$0.00
Wireless Adapter				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00

Large Size Bus (72-90 Passengers) Costs

Item / Description	Model	Quantity	Cost	Subtotal
Base DVR Cost		120		$0.00
Stop Arm Camera				$0.00
Dash Camera				$0.00
Internal Camera				$0.00
Warranty (Describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00
			Subtotal	**$0.00**
Optional Install per bus (describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00
Optional Install per bus (describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00

FCS Bus Camera RFP 2022

Vendor:	
Vendor Contact:	
Contact's Email:	

Line Item Pricing

Item / Description	Model	Quantity	Cost	Subtotal
Stop Arm Camera				$0.00
Dash Camera				$0.00
Internal Camera				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00

Onsite Video Server If Applicable

Item / Description	Model	Quantity	Cost	Subtotal
Onsite Server (Describe)				$0.00
Licensing Costs (Describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00
			Total	$0.00

Server Specifications (VMware Environment)	
Operating Systems Supported	
Recommended CPU	
Required RAM	
Estimated Storage Needed for 155 buses	
Authentication Integrate with Active Directory (Yes/No)	
Other (Describe)	
Other (Describe)	

Cloud Video Server - If Applicable

Item / Description	Model	Quantity	Cost	Subtotal
Licensing Costs (Describe)				$0.00
Storage Costs (Describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00
			Total	$0.00

Onsite Install Training (1 day)

Item / Description	Model	Quantity	Cost	Subtotal
Other (Describe)				$0.00

FCS Bus Camera RFP 2022				
Vendor:				
Vendor Contact:				
Contact's Email:				
Other (Describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00
			Total	**$0.00**

End User Training				
Item / Description	**Model**	**Quantity**	**Cost**	**Subtotal**
1/2 Day Trainings (Describe)		2		$0.00
Other (Describe)				$0.00
			Total	**$0.00**
Cost for additional trainings (Describe)				$0.00

FCS Bus Camera RFP 2022 (Alternate Bid)

Vendor:	
Vendor Contact:	
Contact's Email:	

Large Bus:	**$0.00**
Onsite Server Costs:	**$0.00**
Cloud Server Costs:	**$0.00**
Onsite Install Training:	**$0.00**
End User Training:	**$0.00**
Total Alternate Bid Cost:	**$0.00**

DVR Unit Costs

Item / Description	Model	Quantity	Cost	Subtotal
Base Unit (Describe)				$0.00
Warranty (Describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00
			Total	**$0.00**

DVR Base Unit Specifications	
Storage Capacity	
Storage Type (HDD, SSD, Flash, etc)	
Max Camera Capacity	
Event Marker Button (Yes/No)	
GPS Connection (Yes/No)	
Wireless Connection (Yes/No)	

DVR Upgrade Costs				Line Item Cost
Additional storage capacity				$0.00
GPS Connection				$0.00
Wireless Adapter				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00

Large Size Bus (72-90 Passengers) Costs

Item / Description	Model	Quantity	Cost	Subtotal
Base DVR Cost		30		$0.00
Stop Arm Camera				$0.00
Dash Camera				$0.00
Internal Camera				$0.00
Warranty (Describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00
			Subtotal	**$0.00**
Optional Install per bus (describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00

Line Item Pricing

Item / Description	Model	Quantity	Cost	Subtotal
Stop Arm Camera		120		$0.00
Dash Camera				$0.00
Internal Camera				$0.00
Other (Describe)				$0.00

FCS Bus Camera RFP 2022 (Alternate Bid)

Vendor:				
Vendor Contact:				
Contact's Email:				
Other (Describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00

Onsite Video Server

Item / Description	Model	Quantity	Cost	Subtotal
Onsite Server (Describe)				$0.00
Licensing Costs (Describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00
			Total	**$0.00**

Server Specifications (VMware Environment)	
Operating Systems Supported	
Recommended CPU	
Required RAM	
Estimated Storage Needed for 155 buses	
Authentication Integrate with Active Directory (Yes/No)	
Other (Describe)	
Other (Describe)	

Cloud Video Server

Item / Description	Model	Quantity	Cost	Subtotal
Licensing Costs (Describe)				$0.00
Storage Costs (Describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00
			Total	**$0.00**

Onsite Install Training (1 Day)

Item / Description	Model	Quantity	Cost	Subtotal
Other (Describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00
Other (Describe)				$0.00
			Total	**$0.00**

FCS Bus Camera RFP 2022 (Alternate Bid)

Vendor:	
Vendor Contact:	
Contact's Email:	

End User Training

Item / Description	Model	Quantity	Cost	Subtotal
1/2 Day Trainings (Describe)		2		$0.00
Other (Describe)				$0.00
			Total	**$0.00**
Cost for additional trainings (Describe)				$0.00