

**RE01**  
**Maryland School for the Deaf**

***Capital Budget Summary***

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**State-owned *Capital Improvement Program***  
**(\$ in Millions)**

<i>Projects</i>	<i>Prior Auth.</i>	<i>2015 Request</i>	<i>2016 Est.</i>	<i>2017 Est.</i>	<i>2018 Est.</i>	<i>2019 Est.</i>	<i>Beyond CIP</i>
New Fire Alarm and Emergency Notification System – Frederick Campus	\$1.182	\$1.705	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000
Water Main Replacement – Frederick Campus	0.000	0.300	3.200	0.000	0.000	0.000	0.000
Veditz Building Renovation – Frederick Campus	0.000	0.000	0.000	0.000	0.000	0.100	1.250
<b>Total</b>	<b>\$1.182</b>	<b>\$2.005</b>	<b>\$3.200</b>	<b>\$0.000</b>	<b>\$0.000</b>	<b>\$0.100</b>	<b>\$1.250</b>

<i>Fund Source</i>	<i>Prior Auth.</i>	<i>2015 Request</i>	<i>2016 Est.</i>	<i>2017 Est.</i>	<i>2018 Est.</i>	<i>2019 Est.</i>	<i>Beyond CIP</i>
GO Bonds	\$1.182	\$2.005	\$3.200	\$0.000	\$0.000	\$0.100	\$1.250
<b>Total</b>	<b>\$1.182</b>	<b>\$2.005</b>	<b>\$3.200</b>	<b>\$0.000</b>	<b>\$0.000</b>	<b>\$0.100</b>	<b>\$1.250</b>

CIP: *Capital Improvement Program*

## ***Summary of Recommended Bond Actions***

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1. New Fire Alarm and Emergency Notification System – Frederick Campus

Approve the \$1,705,000 general obligation bond authorization to complete construction of the New Fire Alarm and Emergency Notification System – Frederick Campus project.

2. Water Main Replacement Project – Frederick Campus

Approve the \$300,000 general obligation bond authorization to begin the design of the Water Main Replacement – Frederick Campus project.

## ***Budget Overview***

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### **New Fire Alarm and Emergency Notification System – Frederick Campus**

The project will update and replace the existing fire alarm system in 10 buildings on the Frederick campus of the Maryland School for the Deaf (MSD) and will institute a mass notification system among these buildings and 3 others. The 10 buildings to receive full updates were constructed between 1953 and 1984 and have not had any significant updates to the original fire alarm systems. The project will bring the fire alarm systems up to code and will install strobe light alarm systems that will alert students and staff to emergency events. The strobe lights will be color coded to indicate the nature of the emergency.

Existing alarm systems rely on aural cues, which is inappropriate as all students and many staff have hearing impairments. As the systems age, it becomes more difficult to find replacement parts, and the parts are expensive. During emergencies or lockdown drills, school officials must contact each building separately because there is no central communication system. Furthermore, modern building codes require that fire alarms be monitored offsite. Only the school's newer buildings have offsite monitoring, and these are not linked in a single monitoring system. This project will allow the school to centralize control of the alarm system and maintain one monitoring contract.

Several residence hall buildings that will receive the new alarm system will eventually be demolished as part of the school's overall capital plan. However, the new alarm system has life safety implications, so all buildings should be upgraded with the new system. Furthermore, the new residence halls will not be constructed for at least five years because the projects are not currently in the State's five-year *Capital Improvement Program* (CIP).

### *RE01 – Maryland School for the Deaf*

Funds were provided in fiscal 2012 to support project design. However, due to delays, project design did not begin until May 2013 and is expected to be completed in June 2014 with the completion of the construction document phase. Project construction is not expected to begin until October 2014 and will conclude in October 2015. Due to an increase in escalation costs, the total project cost has increased by \$5,000 in fiscal 2015, to \$1,705,000.

### **Water Main Replacement – Frederick Campus**

The project will replace the existing water supply system, including the water main supply line, valves, and fire hydrants on the main campus, the Veditz building, and the Benson Gymnasium. The current water main supply line is deteriorating, and the breaks, which lower water pressure, result in costly repairs. In addition, the current water main does not meet fire code because it does not provide adequate water pressure for fire sprinkler systems, as required in residence halls. The project will construct a replacement system that will have sufficient water pressure to meet fire codes and future demand.

Funds are provided in the fiscal 2015 recommendation to accelerate the project in order to provide important fire safety improvements to MSD. The improvements were originally scheduled to start in fiscal 2016. The total cost of the project has increased, from \$2.8 to \$3.5 million, based on an updated cost estimate from the Department of General Services. Design is scheduled to start July 2014, and construction is estimated to start November 2015 and end March 2017.

### **Summary of Other Projects in the Capital Improvement Program**

Funds were added to the five-year CIP to support the Veditz Building Renovation on the Frederick campus, beginning in fiscal 2019. The project will renovate the upper level of the Veditz Building to provide space for the Middle School and Career and Technology Education (CTE) program. The configuration, lighting, and acoustics of the existing space are not compatible with the requirements of the instructional programs. The renovation will redesign this space into middle school classrooms and computer labs for the CTE program. The estimated cost of this project totals \$1.4 million.

## ***GO Bond Recommended Actions***

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1. Approve the \$1,705,000 general obligation bond authorization to complete construction of the New Fire Alarm and Emergency Notification System – Frederick Campus project.
2. Approve the \$300,000 general obligation bond authorization to begin the design of the Water Main Replacement – Frederick Campus project.