



Agency 072 ELEMENTARY AND SECONDARY EDUCATION

Project ID/Name: WARCT1 Warwick Career & Tech. Projects

Project Description:

The Board of Education requests \$3,135,040 to replace the roofing system and other high priority projects at the Warwick Career and Technical Center. A feasibility study was conducted in FY 2014 and determined the current needs of the Center. In FY 2015, Warwick Public Schools accepted the transfer of the Career and Technical Center. This year's budget has divided the funding over three years spanning FY 2015 to FY 2017, with a payment of \$950,000 made in FY 2015, \$1,800,000 budgeted for FY 2016, and \$350,000 for FY 2017. Similar to the Chariho, Newport, Cranston and East Providence transfer agreement process, this amount will allow the district to take ownership of the facility.

This request will partially cover the shortfall from a \$15 million bond issued in November 2004 needed to address "high priority" renovations and repairs at the career and technical centers. Voters had approved the \$15 million bond to make long-overdue repairs and improvements to the state's career and technical centers. The \$15 million figure was determined by adding preliminary estimates provided by the individual schools. There was considerable variation in the quality of these estimates and the \$15 million only covered the most urgent facilities' needs, as prioritized by the architects that developed a scope of work of the highest needs for each school. The feasibility study conducted in FY 2014 identified a scope of work that included storm water drainage to prevent groundwater infiltration in the basement, exterior envelope repairs, hazardous materials abatement, ADA improvements, replacement of defunct and inefficient mechanical systems, and other systems improvements.

Project Justification:

The existing membrane roofing system at Warwick Career and Tech is over 20 years old and is in need of replacement. The numerous leaks are repaired as they occur, but they cause substantial damage to the facility, including water damage that promotes the growth of mold and mildew, significantly affects indoor air quality, and compromises the structural integrity of the roof framing system.

This high priority repair is necessary for the safety of students and staff in these buildings, to protect investments the State has already made with the \$15 million bond proceeds, and to address the final issues to ensure all of the State-owned centers are in compliance with RI's fire and life safety codes. The State has proposed that the State-owned career and technical centers be transferred back to the districts that house them, which would result in State savings on insurance and emergency repairs. The State has committed significant funds to renovate these facilities, including the \$15 million bond referenced above, as well as RICAP funds to cover life safety issues in an attempt to get districts to take ownership of these facilities. Warwick was unwilling to take the building back in its current condition. This request seeks to address the abovementioned repairs so that Warwick will accept the transfer of the facility.

Project Status:

On March 3, 2015, the State Properties Committee approved the final transfer of the facility. Pursuant to the transfer agreement, the first payment of \$950,000 was made in FY 15.

Strategic Criteria

Safety Concerns

Safety Narrative

Leaking roofs can result in a "sick building", possibly causing illness in the students, and may damage furniture, equipment, ceilings, and flooring. As they now stand, the current facilities are not equipped to offer the state-of-the-art training needed in order to

Major



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successfully enter careers in growth industries.

Code Violations Major
Code Narrative

Funding will only cover critical building code violations, including roof, needed to meet building codes and the new fire code standards

Energy Impact Major Positive
Energy Narrative

The roof insulation has been compromised due to water damage, which has resulted in significant increases in operational expenses due to increasing heating and cooling costs. The existing windows are uninsulated and the seals are loose, so window replacement will also improve the building's energy performance.

Customer Service Major
Customer Narrative

Students and teachers expect and deserve a safe learning environment. Prospective students and their parents touring the school would find buildings in need of critical repair. Since these are State-owned schools, the State is responsible for every individual in these buildings.

Geographic Significance Regional
Geographic Narrative

The career and technical center draws students from multiple communities, not just Warwick. Students from East Greenwich and West Warwick are also eligible to attend this center.

Agency Mission High
Agency Narrative

The mission of schools is to educate the students in a safe and healthy learning environment and provide a safe work environment for all staff. Appropriate measures must be implemented by the state so that students are able to learn and staff is able to teach the skills needed to prosper in a chosen trade.

User Financing 0
User Narrative

Asset Management Asset Protection
Asset Narrative

These funds will support needed repair and/or renovation projects at the state-owned career and technical center.

Operating Minor
Operating Narrative

If the buildings are brought up to code, the State will be able to transfer the career and technical centers to the districts. Districts are unwilling to accept the buildings in their current condition. When the buildings are transferred back to the districts, RIDE will save funds related to emergency repairs at and insurance costs for the facilities.

Historic Preservation No
Historic Narrative

Budgeted Yes
Budget Narrative



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Critical Criteria

Critical Life Safety	Yes
Critical Life Safety Narrative	
The deteriorating roofing system's potential failure is a critical life safety emergency issue.	
Critical Legal Liability	Yes
Critical Legal Liability Narrative	
Since this is a state-owned school, the state would be liable for any injuries resulting from an out-of-code building.	
Prior Binding Commitment	No
Prior Binding Commitment Narrative	
Return on Investment	High
Return on Investment Narrative	
Currently this building is state-owned, which means that the state is 100% responsible for all major repairs and renovations. Upon transfer back to the district, the state will only be responsible for a share of the costs as determined by the School Housing Aid program.	

Agency 072 ELEMENTARY AND SECONDARY EDUCATION
Project ID/Name: WOONCT Woonsocket Career & Tech. Projects

Project Description:

The Board of Education requests \$3,192,661 to replace the roofing system, meet building code requirements, and replace aging, failing systems at the Woonsocket Career and Technical Center. Woonsocket Public Schools will not accept transfer of the Career and Technical Center in its current condition. This figure was derived from a new feasibility report on the Career and Technical Center that indicated the roof and mechanical systems were past their useful lives. This year's budget has divided the work over two years FY 2016 to FY 2017, with a request of \$1,200,000 for FY 2016 and \$1,950,000 for FY 2017.

Similar to the Chariho, Newport, Cranston and East Providence transfer agreement process, this amount will allow the district to consider taking ownership of the facility. This is the only career and technical center that is still under state-control and that does not have a transfer agreement in place.

This request will partially cover the shortfall from a \$15 million bond issued in November of 2004 needed to address "high priority" renovations and repairs at the career and technical centers. Voters had approved the \$15 million bond to make long-overdue repairs and improvements to the state's career and technical centers. In addition, the facility requires two ADA compliance upgrades, which must occur in FY 2014.

The \$15 million figure was determined by adding preliminary estimates provided by the individual schools. There was considerable variation in the quality of these estimates and concerns that the \$15 million might not cover even the most urgent facilities' needs. Architects were engaged to prioritize needed work and to develop a scope of work of the highest needs for each school, including building, fire, energy, security codes, life safety requirements, and ADA compliance. The work was prioritized into the following categories: 1 - immediately; 2 - within one to five years; or 3 - within five to ten years.

Project Justification:

The roof and HVAC are original to the Woonsocket Career and Technical Center. They are each over 40 years old and well past their useful lives. These Priority 1 repairs are necessary for the safety of students and staff in these buildings, to protect investments the State has already made with the \$15 million bond proceeds and to address the final issues to ensure all of the State-owned centers are in compliance with RI's fire and life safety codes. The State has proposed that the State-owned career and technical centers be transferred back to the districts that house them, which would result in State savings on insurance and emergency repairs. The State has committed significant funds to renovate these facilities, including the \$15 million bond referenced above, as well as RICAP funds to cover life safety issues in an attempt to get districts to take ownership of these facilities. Woonsocket was unwilling to take the building back in its current condition. This request seeks to address the abovementioned repairs so that Woonsocket will accept the transfer of the facility.

Project Status:

A tentative agreement has been reached and approved by the Woonsocket City Council. Approvals are still needed from the School Committee and the State Properties Commission. Until all parties have ratified the agreement no work will be performed. The Woonsocket City Council is expected to vote on the agreement at the beginning of FY 2016.

Strategic Criteria



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Project ID/Name: **WOONCT Woonsocket Career & Tech. Projects**

<p>Safety Concerns</p> <p>Safety Narrative</p> <p>Leaking roofs can result in a "sick building", possibly causing an unhealthy environment for the students and the potential for damage to furniture, equipment, ceilings, and flooring. As they now stand, the current facilities are not equipped to offer the state-of-the-art training needed in order to successfully enter careers in growth industries.</p>	<p>Major</p>
<p>Code Violations</p> <p>Code Narrative</p> <p>The replacement of the roofing system will address a critical building code violation needed to meet building codes and the new fire code standards.</p>	<p>Major</p>
<p>Energy Impact</p> <p>Energy Narrative</p> <p>Roof repairs are expected to have a major positive impact on the energy efficiency of these facilities.</p>	<p>Major Positive</p>
<p>Customer Service</p> <p>Customer Narrative</p> <p>Students and teachers expect and deserve a safe learning environment. Prospective students and their parents touring the school would find buildings in need of critical repair. Since these are State-owned schools, the state is responsible for every individual in these buildings.</p>	<p>Major</p>
<p>Geographic Significance</p> <p>Geographic Narrative</p> <p>The career and technical center draws students from multiple communities, not just Woonsocket. Students from Burrillville, Cumberland, and North Smithfield are also eligible to attend this center.</p>	<p>Regional</p>
<p>Agency Mission</p> <p>Agency Narrative</p> <p>The mission of schools is to educate the students in a safe and healthy learning environment and provide a safe work environment for all staff. Appropriate measures must be implemented by the state so that students are able to learn and staff is able to teach the skills needed to prosper in a chosen trade.</p>	<p>High</p>
<p>User Financing</p> <p>User Narrative</p>	<p>0</p>
<p>Asset Management</p> <p>Asset Narrative</p> <p>These funds will replace the roofing system.</p>	<p>Asset Protection</p>
<p>Operating</p> <p>Operating Narrative</p> <p>If the buildings are brought up to code, the State will be able to transfer the career and technical centers to the districts. Districts are unwilling to accept the buildings in their current condition. When the buildings are transferred back to the districts, RIDE will save funds related to emergency repairs at and insurance costs for the facilities.</p>	<p>Minor</p>
<p>Historic Preservation</p> <p>Historic Narrative</p>	<p>No</p>



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Budgeted Yes
Budget Narrative

Critical Criteria

Critical Life Safety Yes
Critical Life Safety Narrative

The potential deterioration of structure as a result of the roofing system failure is a critical life safety emergency issue.

Critical Legal Liability Yes
Critical Legal Liability Narrative

Since this is a state-owned school, the state would be liable for any injuries resulting from an out-of-code building.

Prior Binding Commitment No
Prior Binding Commitment Narrative

Return on Investment High
Return on Investment Narrative

Currently this building is state-owned, which means that the state is 100% responsible for all major repairs and renovations. Upon transfer back to the district, the state will only be responsible for a share of the costs as determined by the School Housing Aid program.

Agency 072 ELEMENTARY AND SECONDARY EDUCATION

Project ID/Name: TECH1 LEA Technology Infrastructure

Project Description:

The Rhode Island Department of Elementary and Secondary Education, has embarked on several bold and aggressive educational reform initiatives as outlined in the Department's Strategic Plan. These initiatives, occurring both nationally and within the state, will require funding and resources. As a recipient of the Race to the Top grant the State received \$75 million to support five systems of reform; Standards and Curriculum; Instructional Improvement Systems; Educator Effectiveness; Human Capital; and School Transformation and Innovation. The Department is building four data platforms to manage the information that will be needed to track student, teacher, and school performance. As the Department and its education partners design and develop these data systems additional funding will be required to increase technology capacity in Rhode Island districts and schools by making improvements to schools infrastructures. Currently, Rhode Island public schools buildings have a varying degree of technical capacity. Upgrading many of these school's classrooms into classrooms ready for the 21st century is the only way to exceed standards and raise test scores. To help achieve this \$19,800,000 in COPS funding was approved by the 2012 General Assembly to assure that all LEAs are able to access the comprehensive data systems being developed.

Project Justification:

This funding will address the inequitable states of readiness of LEAs to meet the new requirements, focusing on student/teacher information systems, virtual learning, and technology in the classroom. The proceeds from the COPS will primarily be used to extend the wireless access in our classrooms across the state. By drilling down to each classroom RIDE can be sure that each and every student will have the same access to the tools of the 21st century. This will require that every district be evaluated using a site survey by a certified vendor. The vendor would evaluate items like electrical capacity in a classroom, signal integrity, interference, security and power sources. The results of this survey would specifically map out a plan on how to ready each school's infrastructure for wireless access.

Project Status:

In the Fall of 2012, RIDE created a Wireless Classroom Initiative (WCI) Advisory Committee whose members included District IT Managers, RI's Chief Digital Officer and RIDE Staff. In February of 2013, a Master Price Agreement of 12 qualified vendors was created whose primary first task was to perform the necessary free school site surveys for every school when contacted by an LEA. The site surveys were performed by these qualified vendors during the 2013 Summer, Fall and Winter months. These site surveys of every public, state and charter school, resulted in over 1,200 proposals (a minimum of three proposals per site) being submitted to RIDE for technical review to ensure RIDE's baseline wireless network requirements were proposed. In order to expedite this review and to perform an in depth analysis of submitted proposal, RIDE hired three (3) technical analysts. By January 2014, this team of analysts had concluded its work. During this phase, as analyses were being completed, the WCI team met with districts to assist in the selection of a vendor. As of May 2014, approximately 95% of the submitted proposals had been reviewed with LEAs and 75% of those openings resulted in a vendor selection. And, 65% of this population had received Grant Award letters, encumbering approximately \$12 million of the bond.

RIDE continues to work with LEAs to be sure that all State purchasing and procurement rules are followed. RIDE has also developed an in-house accounting tracking process to accurately reflect the stages LEAs will report to obtain reimbursement.

In addition to the original proposals, there were 433 revised proposals reviewed, as well as hundreds of additional proposals and heat maps, as additional schools in some districts and new schools were added to the scope of work. With Phase I work nearing completion, in the Fall of FY15 we opened Phase II which covered those additional spaces



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Project ID/Name: **TECH1 LEA Technology Infrastructure**

in the schools used for small or large group instruction and/or testing. Proposal documents and change requests are currently being submitted for Phase II work with work underway in some districts.

To date, 90% of all LEAs have received grant awards. Had the scope of work and number of schools not increased, we would be at a 98% award rate. To date \$14.9M has been awarded, the bulk of which is for Phase I work. We have also processed reimbursement requests received to date in the amount of \$7.2M.

With few exceptions, the wireless infrastructure was in place in our schools to support the March administration of the PARCC test. We anticipate that all work under the project will be completed and reimbursement by December of 2015.

Strategic Criteria

<p>Safety Concerns</p> <p>Safety Narrative</p>	None
<p>Code Violations</p> <p>Code Narrative</p>	None
<p>Energy Impact</p> <p>Energy Narrative</p> <p>More modern technology for the LEAs will also likely be more energy efficient.</p>	Minor Positive
<p>Customer Service</p> <p>Customer Narrative</p>	None
<p>Geographic Significance</p> <p>Geographic Narrative</p> <p>This initiative will help needier LEAs throughout the state to access the technology and systems needed to improve student achievement.</p>	Statewide
<p>Agency Mission</p> <p>Agency Narrative</p> <p>Having all LEAs access the new statewide systems, not just the wealthy communities that can afford it, is crucial to RIDE's mission to improve student learning throughout the state and especially for the student groups with the largest achievement gaps. This initiative will also deliver instructional opportunities to the classroom allowing all RI students to be globally connected.</p>	High
<p>User Financing</p> <p>User Narrative</p> <p>RIDE has required all eligible districts/schools to apply for funding discounts under the FCC E-rate program.</p>	0
<p>Asset Management</p> <p>Asset Narrative</p>	Infrastructure
<p>Operating</p> <p>Operating Narrative</p>	None
<p>Historic Preservation</p> <p>Historic Narrative</p>	No



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Project ID/Name: **TECH1 LEA Technology Infrastructure**

Budgeted Yes
Budget Narrative

Critical Criteria

Critical Life Safety No
Critical Life Safety Narrative

Critical Legal Liability No
Critical Legal Liability Narrative

Prior Binding Commitment No
Prior Binding Commitment Narrative

Return on Investment High
Return on Investment Narrative
 This funding will address the inequitable states of readiness of LEAs to meet the new requirements, focusing on student/teacher information systems, virtual learning, and technology in the classroom.

Agency 072 ELEMENTARY AND SECONDARY EDUCATION

Project ID/Name: CEIS ITI - Comprehensive Education Information System

Project Description:

CEIS is an information data enterprise system that integrates state and local school information to comply with the mandates of No Child Left Behind and to assess how well Rhode Island schools are meeting their mandates for student achievement. The global design of the system is to provide transparency, accountability, performance management, recognize successful practices, and encourage data collection and reporting innovation among the Districts and State.

CEIS, now dubbed “RIDEMAP”, is a web based portal (<http://ridemap.rhode.ri.gov>) that consists of a suite of education application software components that operate within a web-based Enterprise Portal Gateway Website infrastructure. This project has provided funding for a nationally acclaimed automatic data transfer system (ADT) which automatically transfers timely data from the local education agencies (LEAs), validates, and stores in our operational data store (ODS/Data warehouse), reducing the manual burden, while increasing the accuracy of data. The CEIS project has allowed for the building of a state of the art data enterprise, licensing and support of the data warehouse, revisions to the design and development of the uniform chart of accounts, and enhancements to eRIDE to make its data more user friendly and more stream-lined to access with the new Single Sign On (SSO) portal.

This request is to continue the effort for development, implementation, upgrades, and maintenance of the new single sign on system, ridemap.rhode.ri.gov portal, and supporting systems. This new portal is the ‘one stop shopping’ data system which will now incorporate the entire CEIS data enterprise allowing access with one logon. With a tremendous increase in capacity and end users, in FY13 we revamped our outdated backup/disaster-recovery hardware. Because of higher than expected costs of the backup hardware, the wireless network system was delayed by one year and was placed in service in FY14. With this we have addressed accessibility for our internal users, and training sessions via a new managed wireless network system. In FY15 we addressed additional backup needs and replaced legacy network switches and desktops. Finally, in the remaining years, we will provide for replacement of remaining legacy infrastructure systems and database systems purchased prior to the availability of the bond that are reaching end of life.

Project Justification:

Educators and policymakers recognize the value of better information as an essential tool for improving schools. They understand that when states collect the most relevant data and are able to match individual student records over time, they can answer the questions that are at the core of educational effectiveness.

Longitudinal data (data gathered on the same student from year to year) make it possible to: follow students’ academic progress as they move from grade to grade; determine the value-added and efficiencies of specific schools and programs; identify consistently high-performing schools so that educators and the public can learn from best practices; evaluate the effect of teacher preparation and training programs on student achievement; and focus school systems on preparing a higher percentage of students to succeed in rigorous high school courses, college and challenging jobs.

Rhode Island policymakers and educators need longitudinal data systems capable of providing timely, valid and relevant data. Access to these data gives teachers the information they need to tailor instruction to help each student improve, gives administrators the resources and information to effectively and efficiently manage, and enables policymakers to evaluate which policy initiatives show the best evidence of increasing student achievement. Through the efforts of the CEIS and the Race to the Top initiative, all stakeholders will have unprecedented access to timely education data.

Project Status:



Agency **072 ELEMENTARY AND SECONDARY EDUCATION**

Project ID/Name: **CEIS ITI - Comprehensive Education Information System**

To continue the implementation of the Comprehensive Education Information System (CEIS) innovative schools initiative, the Board of Education requests the remaining \$441,880 of the COPS funds under the Innovative Technology project. Because of RIDE's ability to leverage Race to the Top funding, rather than drawing down on the COPS, we have been able to extend the timeline for the COPS longer than originally anticipated. This year's budget has divided the work over two years FY 2016 to FY 2017, with a request of \$220,940 in both years.

The CEIS project build out is on target for completion and stability by FY17. We have been able to increase our capacity needed for the roll out of the new CEIS portal, dubbed RIDEMAP, from a few hundred users, to an anticipated 10-14 thousand users. The goal of providing a comprehensive education enterprise data system that is convenient, current, and user friendly is coming to fruition. The new Single Sign On (SSO) portal, <http://ridemap.ride.ri.gov> launched in September of 2013. The new Instructional Support System, (ISS), went online in June of 2014.

Strategic Criteria

Safety Concerns None
Safety Narrative

Code Violations None
Code Narrative

Energy Impact None
Energy Narrative

Customer Service Major
Customer Narrative
 This project will provide the public school systems with its' single most powerful tool for school improvement - accurate, up-to-date information about individual student learning, cross referenced to technical assistance, successful practices, and contacts for support networks and professional development. Additional users such as parents and students will also benefit from this project.

Geographic Significance Statewide
Geographic Narrative
 The web based deliverables of this project will significantly impact users internally and statewide.

Agency Mission High
Agency Narrative
 CEIS is a crucial part of supporting schools, teachers, and agency staff with user-friendly data systems. Such data systems are one of 5 main tasks in RIDE's strategic plan.

User Financing 0
User Narrative
 \$4.6 of Federal Funds from the Race to the Top grant were spent on IT associated with this project.

Asset Management Infrastructure
Asset Narrative

Operating None
Operating Narrative



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Project ID/Name: **CEIS ITI - Comprehensive Education Information System**

Historic Preservation No
Historic Narrative

Budgeted Yes
Budget Narrative

Critical Criteria

Critical Life Safety No
Critical Life Safety Narrative

Critical Legal Liability Yes
Critical Legal Liability Narrative
 In as much as the state's responsibility to comply with the federal mandates created by the No Child Left Behind (NCLB) Act.

Prior Binding Commitment No
Prior Binding Commitment Narrative

Return on Investment High
Return on Investment Narrative
 The State invests substantial amounts of general revenue funds in K-12 education every year. These systems will help track what results are being achieved statewide.



Agency 072 ELEMENTARY AND SECONDARY EDUCATION

Project ID/Name: DAV2 Davies Career and Tech. School HVAC

Project Description:

The Board of Education requests \$5,102,452 to complete the replacement and repair of the HVAC infrastructure system at the Davies Career and Technical Center. The HVAC renovations were supposed to take place during the summer of 2015. Because of procurement and contract delays that lasted a year, the original award was cancelled as the vendor could not honor original bid prices. The project will be retooled and bid during FY 16. This will allow for this phase of HVAC renovations to be completed during the summer of 2016.

This project involves the replacement of the units in rooms 219 through 229, the Guidance Office areas, and the upgrade of the entire domestic water supply systems for both the north and south portions of the facility. It is important to note that the scope of the work being addressed in FY 16 has been expanded to include the replacement/upgrade of numerous plumbing related fixtures (water fountains, urinals, toilets, sinks, as well as emergency safety showers and wash basins in the technical shop areas) as required by the School Construction Regulations. Such plumbing fixtures had to be upgraded because they are all tied into the domestic water supply that is being replaced.

Upon completion of a Master Plan, the Phase II and Phase III projects of this request (scheduled for FY 17 and FY 18) will move forward. Davies will await the findings of the Master Plan before addressing the HVAC in those areas of the building. This will ensure that work is not performed on areas of the school that will need to be renovated.

Project Justification:

The replacement of the HVAC units in the areas described above is a necessary update for the heating and cooling units located throughout the noted areas of the facility. The existing equipment is over 30 years old and is currently contributing to issues with heating, cooling and more importantly, air quality in a number of areas in the building. During the winter months, portable space heaters have been necessary in some of the classrooms noted. Otherwise, class space would be unacceptable for student and faculty use. Past fire inspections indicated that space heaters in the classrooms were deemed unsafe.

Project Status:

Due to the total estimated project costs, funding is requested to complete this project in phases through FY 2018 in order to address the areas most in need of repair or replacement. Bids for this project will occur in FY 16 allowing construction to occur the summer of 2016 while the building is unoccupied.

Strategic Criteria

Safety Concerns

Major

Safety Narrative

The heating units in the portion of the facility being requested above are approximately 30 years old. As such, the units present issues relating to classroom air quality, ventilation, and proper temperature.

Code Violations

Major

Code Narrative

During the winter months, portable space heaters have been necessary in some of the classrooms noted above. Otherwise, the classroom space would be unacceptable for student and faculty use. A fire inspection indicated that space heaters in the classrooms were deemed to be unsafe.



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Project ID/Name: **DAV2 Davies Career and Tech. School HVAC**

Energy Impact Major Positive

Energy Narrative

As noted above, the age and condition of the heating units pose air quality issues. The unit efficiency is also low, requiring more energy in an attempt to bring the heating or cooling temperature of the classrooms to the desired level. Replacing the systems will greatly improve the efficiency of the building, being that the school is changing from an electric heating and cooling solution to a hydronic heating and split cooling system.

Customer Service Major

Customer Narrative

Students and staff expect that school sessions will be held in adequate facilities. Inappropriate climate control reduces the effectiveness of the education environment.

Geographic Significance Regional

Geographic Narrative

This project will only affect the Davies Career and Technical Center. However Davies draws students from many communities including Central Falls, Lincoln, North Providence, Pawtucket, Providence, and Smithfield.

Agency Mission High

Agency Narrative

The mission of schools is to educate students in a safe and healthy learning environment and provide a safe work environment for all staff. Appropriate measures must be implemented so that students are able to learn the skills needed to prosper in their chosen trade.

User Financing 0

User Narrative

Asset Management Mixed

Asset Narrative

This project involves replacing the HVAC systems at Davies Career and Technical Center. The repairs support only this facility.

Operating None

Operating Narrative

Historic Preservation No

Historic Narrative

Budgeted Yes

Budget Narrative

Critical Criteria

Critical Life Safety No

Critical Life Safety Narrative

Critical Legal Liability No

Critical Legal Liability Narrative

Prior Binding Commitment No

Prior Binding Commitment Narrative



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Project ID/Name: **DAV2 Davies Career and Tech. School HVAC**

Return on Investment

High

Return on Investment Narrative

An upgraded HVAC system will lower operating costs compared to an older, more inefficient system.

Agency 072 ELEMENTARY AND SECONDARY EDUCATION

Project ID/Name: MC4 Metropolitan Career and Tech HVAC

Project Description:

The Board of Education requests \$6,386,370 to replace and repair the HVAC system for five buildings at the Metropolitan Regional Career and Technical Center's (MET Center) Peace Street and Public Street campuses. Construction was completed at two of the five building last summer, June 2014 – September 2014. The FY 2016 budget request has been increased by \$3,886,370 to make HVAC renovations/improvements to the three remaining buildings. The remaining buildings will be addressed in the summer of 2016.

Project Justification:

The HVAC equipment at the Public Street campus was installed and commissioned in 2000-2001. Over the years, due to the “value engineering” of the system’s original design and balancing, many of the controls and systems are unable to work together efficiently. The mechanical system’s useful life which, is typically twenty-five years, has been greatly reduced due to these control issues; in fact some units run 24/7 regardless of the controls. Over the years, measures have been taken to re-commission and to correct these issues and many lower cost repairs have been completed, which resulted in some improvement to the systems, however heating, cooling, and more importantly, air quality issues still exist. Despite these actions, the current mechanical systems have above average operating costs as well as rising repair costs and more frequent equipment failures. In the last year, the MET Center has spent over \$65K in HVAC repairs and has operated a total of seven days cumulatively throughout the year with no heating/cooling in one or more buildings. During the winter months, portable space heaters have been necessary in some of the classrooms and administrative spaces. Otherwise, class space would be unacceptable for student and faculty use. Per the Rhode Island Fire Code, use of space heaters in the classrooms is deemed to be unsafe.

The goal of the Met Center is to execute a project that will:

1. Replace outdated, inefficient, and dysfunctional HVAC equipment, controls, and related energy components and systems.
2. Prolong the useful life of the existing HVAC system.
3. Based upon anticipated energy/utility cost savings from repairing and replacing existing equipment with more efficient equipment, gain additional operational savings that can be invested back into core educational programs and functions.
4. Implement and install a state-of-the-art green energy equipment and systems to create a more comfortable, healthy and safe environment for students, staff, and visitors.

Project Status:

RISE Engineering in conjunction with the State of Rhode Island Office of Energy Resources conducted a preliminary audit of the Met HVAC systems in 2009. The audit confirmed that the systems were not efficient and that units were operating 24/7 with no ability to control them. In fiscal year 2011, the MET entered into a contract with LINC Service, an innovative HVAC solutions engineering firm, to conduct a detailed investment grade audit of the MET’s HVAC systems. The investment grade audit identified \$4,167,365 in necessary repairs and replacements to the HVAC systems that if implemented would reduce utility costs by over 59%. The MET then sought the assistance of the Rhode Island Department of Education (RIDE) to bring the project to fruition. Since then, RIDE has issued a contract to Building Engineering Resources, Inc. (BER) to design a full system upgrade/replacement. In April 2014, construction bids were



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Project ID/Name: **MC4 Metropolitan Career and Tech HVAC**

received by State Purchasing for two of the five buildings which were addressed last summer as Phase I of this HVAC project. The \$2,500,000 already allocated to this project has been expended.

This request is a revision to the original \$2.5 million to afford an additional \$3,886,370 in HVAC renovations/improvements to the remaining three buildings. This amount takes into account the construction estimate calculated by BER and reflects the recent bids that were received.

Strategic Criteria

Safety Concerns Major
Safety Narrative
 The HVAC units present issues relating to classroom air quality, ventilation, and proper temperature.

Code Violations Major
Code Narrative
 During the winter months, portable space heaters have been necessary in some of the classrooms and administrative spaces. Otherwise, class space would be unacceptable for student and faculty use. Per the Rhode Island Fire Code, use of space heaters in the classrooms is deemed to be unsafe.

Energy Impact Major Positive
Energy Narrative
 The replacement of HVAC units with newer, more efficient equipment in addition to the repair and replacement of controls that will correct units that currently operate 24/7 will significantly reduce energy usage.

Customer Service Major
Customer Narrative
 Students and staff expect that school sessions will be held in adequate facilities. Inappropriate climate control reduces the effectiveness of the education environment.

Geographic Significance Local
Geographic Narrative
 This project is local to the Met School Public Street and Peace Street campuses.

Agency Mission High
Agency Narrative
 The mission of schools is to educate students in a safe and healthy learning environment and to provide a safe work environment for all staff. With increased accountability requirements, the State needs to ensure students have fewer distractions so that they can achieve full proficiency in the core subjects.

User Financing 0
User Narrative

Asset Management Asset Protection
Asset Narrative
 This project involves replacing the HVAC systems at the MET Center, a State asset.

Operating None
Operating Narrative



Agency **072 ELEMENTARY AND SECONDARY EDUCATION**

Project ID/Name: **MC4 Metropolitan Career and Tech HVAC**

Historic Preservation No
Historic Narrative

Budgeted Yes
Budget Narrative

Critical Criteria

Critical Life Safety No
Critical Life Safety Narrative

Critical Legal Liability No
Critical Legal Liability Narrative

Prior Binding Commitment No
Prior Binding Commitment Narrative

Return on Investment High
Return on Investment Narrative
 An upgraded HVAC system will lower operating costs compared to an older, more inefficient system.



Agency **072 ELEMENTARY AND SECONDARY EDUCATION**

Project ID/Name: **SHEPAQ Shepard's Building Air Quality**

Project Description:

The Board of Education requests \$190,000 to replace ductwork in the HVAC system for the sixth floor office area of the RI Department of Education at the Shepard Building. Poor air quality on the sixth floor has been a longstanding issue. The FY 2010 budget addressed the HVAC at RIDE and included ductwork replacement as a construction alternate, but this scope of work was not completed for budget reasons.

The rooftop ductwork carries the supply air to the occupied office space below. It is never the best scenario to have ductwork on the roof due to thermal issues, exposure to elements, and potential for water infiltration. Due to these issues, the existing internal duct lining may be deteriorating and causing air flow and indoor air quality issues. The FY 2010 HVAC project originally would have replaced the existing ductwork with new ductwork, but was removed from the final project, due to the budget.

Recent indoor air quality testing at the Shepard Building suggests that mold may be present in this ductwork and should be replaced.

Project Justification:

Adequate air quality is necessary to create a healthy and productive working environment. This has been a longstanding health and safety issue in this area of the building. In the past, numerous employees had complained about headaches and discomfort in this area of the building. This was partially resolved with an FY 2010 Capital Budget request that included the installation of a supplemental air condition system for the sixth floor.

However, recent indoor air quality testing on the 6th floor suggested that the rooftop ductwork could contain mold spores. The ductwork that supplies the conditioned air to the 6th floor has a high probability of containing mold as it is located outside on the roof top, is subject to the elements, and has a duct lining that is most likely deteriorating. If mold is present, the ventilation system to the 6th floor will have to be shut down. Replacement of the ductwork will allow the current system to run and ensure the health and safety of employees and visitors on the 6th floor.

Project Status:

This is the first request for this final phase of the project. The University of Rhode Island has funded indoor air quality tests to determine the presence of mold and preliminary costs estimates have been obtained. Additional testing may be required to understand the full scope of work.

Strategic Criteria

Safety Concerns Safety Narrative Possible mold and poor indoor air quality.	Minor
Code Violations Code Narrative	None
Energy Impact Energy Narrative If the ductwork is moved from the roof top to inside the building envelope, there would be an energy benefit.	Minor Positive



Agency **072 ELEMENTARY AND SECONDARY EDUCATION**

Project ID/Name: SHEPAQ Shepard's Building Air Quality

Customer Service	Minor
Customer Narrative Will provide employees a safe and healthy learning environment.	
Geographic Significance	Local
Geographic Narrative This project is located at the Shepard Building in Providence.	
Agency Mission	Low
Agency Narrative This project will address indoor air quality and maintain a safe working environment.	
User Financing	0
User Narrative	
Asset Management	Asset Protection
Asset Narrative These projects will extend the useful life and add value to the facility, while mitigating any mold.	
Operating	None
Operating Narrative	
Historic Preservation	No
Historic Narrative	
Budgeted	No
Budget Narrative	
 <u>Critical Criteria</u>	
Critical Life Safety	No
Critical Life Safety Narrative	
Critical Legal Liability	Yes
Critical Legal Liability Narrative If mold is confirmed, the State will need to replace the ductwork. Otherwise it is knowingly allowing state workers to be exposed to mold.	
Prior Binding Commitment	No
Prior Binding Commitment Narrative	
Return on Investment	Low
Return on Investment Narrative Efficiency gains should lead to some operational savings.	

Agency 072 ELEMENTARY AND SECONDARY EDUCATION

Project ID/Name: DAV5 Davies Career and Tech. School Asset Protection

Project Description:

The Board of Education requests \$2,984,137 for Asset Protection at the Davies Career and Technical Center for years FY 2016 through 2021. This total includes several specific projects as well as more general funding to be used for the most pressing needs from year to year. Included in the total is FY 2016 funding in the amount of \$655,137, including \$355,137 for the lot and driveway paving project, which has an awarded purchase order. It must be noted that the funds for the paving project are being carried over from FY 2015 because the project will begin in June and will not be completed – nor will payments occur – until after July 1st (FY 2016). The project is ready to begin as of the last day of school in June 2015.

Additionally within the FY 2016 total is \$150,000 for engineering studies that are being performed as part of an overall Facility Master Plan as required by the RI Department of Education's Basic Education Plan. The studies must be performed by professional engineering firms, and involve the following three components: (a) Current Conditions Assessment, (b) Educational Facility Needs Assessment, and (c) Facility Master Plan Development. The other \$150,000 in the FY 2016 request is the ongoing annual Asset Protection appropriation that allows the school to address all facility repair matters that arise throughout the course of the year.

A major portion of the FY 2016 recommended budget for Davies Asset Protection is being deferred into years FY 2017 and FY 2018 (\$290,000 and \$289,000, respectively) as part of this Capital Budget request. The deferral is because the school needs to complete the engineering studies previously described so that Asset Protection funds will be best directed towards the most needed repairs (this information will come from the process of performing a Current Conditions Assessment). Therefore an apportioning of FY 2016 funds has been done between fiscal years 2017 and 2018 in this request. Also, \$1 million has been added to FY 2017 for upgrades needed to the Advanced Manufacturing program that will be done in conjunction with Electric Boat.

Lastly, included within all years 2016–2021 is \$150,000 each year for general facility Asset Protection. The State Budget Office in FY 2008 first recommended Davies' Asset Protection plan as a means of having a funding mechanism to address various facility repairs and upgrades as needed. Previously, Davies had submitted various capital project requests as individual capital plan requests. The asset protection is an appropriation for Davies to prioritize and address facility capital projects on an ongoing basis.

Paving Project Summary:

This request includes \$355,137 in RICAP in FY 2016 for the re-paving of the access drive and the parking lots at the Davies Career and Technical High School. The purchase order contract was issued in FY 15, however the contractor could not begin the construction until the school years ends. Therefore FY 15 funds are being carried over into FY 16 so that the project can commence on June 25th and construction can be done while there are no students and faculty at the facility.

Project Justification:

General Asset Protection Projects:

A schedule of asset protection upkeep and repairs will be determined so that funding is utilized to fullest extent in maintaining the overall condition of the school.

Paving Project:

The facility was built in 1972 and the access road and parking lots have been seal-coated and repaired as needed. However, the areas are in dire need of re-paving.



Agency **072 ELEMENTARY AND SECONDARY EDUCATION**

Project ID/Name: **DAV5 Davies Career and Tech. School Asset Protection**

Project Status:

General Asset Protection Projects:

RICAP funding has been consistently appropriated annually since the FY 2008 inception of the project. Davies is requesting continued funding at a minimum level of \$150,000 annually.

Paving Project:

A purchase order was awarded on January 14, 2015. Consequently the contractor could not begin paving during the winter season. As a result, the project will commence on the day after classes end in June 2015 in an effort to avoid the need to relocate bus traffic and to eliminate faculty parking concerns.

Strategic Criteria

<p>Safety Concerns</p> <p>Safety Narrative</p> <p>Some patched areas of asphalt have sunk, increasing the potential for tripping and falling.</p>	<p>Minor</p>
<p>Code Violations</p> <p>Code Narrative</p> <p>Elements such as railings provide appropriate fall protection, safety and support.</p>	<p>Minor</p>
<p>Energy Impact</p> <p>Energy Narrative</p>	<p>None</p>
<p>Customer Service</p> <p>Customer Narrative</p> <p>Student and staff expect that school sessions will be held in adequate facilities. Students and staff expect the grounds to be kept up to safety standards.</p>	<p>Major</p>
<p>Geographic Significance</p> <p>Geographic Narrative</p> <p>This project will only affect the Davies Career and Technical Center. However Davies draws students from many communities including Central Falls, Lincoln, North Providence, Pawtucket, Providence, and Smithfield.</p>	<p>Regional</p>
<p>Agency Mission</p> <p>Agency Narrative</p> <p>The mission of schools is to educate students in a safe and healthy learning environment and to provide a safe work environment for all staff. With increased accountability requirements, the state needs to ensure students have fewer distractions so that they can achieve full proficiency in the core subjects.</p>	<p>Medium</p>
<p>User Financing</p> <p>User Narrative</p>	<p>0</p>
<p>Asset Management</p> <p>Asset Narrative</p> <p>These projects will extend the useful life and add value to the facility.</p>	<p>Asset Protection</p>



Agency **072 ELEMENTARY AND SECONDARY EDUCATION**

Project ID/Name: **DAV5 Davies Career and Tech. School Asset Protection**

Operating None
Operating Narrative

Historic Preservation No
Historic Narrative

Budgeted Yes
Budget Narrative

Critical Criteria

Critical Life Safety No
Critical Life Safety Narrative

Critical Legal Liability Yes
Critical Legal Liability Narrative
 Since this is a state-owned school, the state would be liable for any injuries resulting from inability to make repairs to the building.

Prior Binding Commitment No
Prior Binding Commitment Narrative

Return on Investment High
Return on Investment Narrative
 Asset protection spending will preserve valuable state-owned buildings.



Agency 072 ELEMENTARY AND SECONDARY EDUCATION

Project ID/Name: MC3 Met School Asset Protection

Project Description:

The Board of Education requests \$1,350,000 for Asset Protection at the Metropolitan Regional Career and Technical Center (MET Center) for fiscal years 2016 through 2021 to address various facility repairs and upgrades. The MET Center consists of three campuses, East Bay, Peace Street, and Public Street, with a total of eight buildings and one garage storage facility totaling over 100,000 square feet. The East Bay campus was recently acquired from the Newport Housing Authority and includes the new Paul Crowley East Bay Met School and the existing Gallagher wing of the Florence Gray Community Center. Because the students and staff will use both the Gallagher wing and the new building, this project will address various capital improvement necessary to make the existing Gallagher wing safe, code compliant, accessible, and energy efficient. The improvements will address school safety improvements, as well as provide code required fire upgrades.

The Peace Street campus was constructed in 1998 and the Public Street campus was constructed in 2002. The asset protection funding is an appropriation request on behalf of the MET Center to prioritize and address facility capital projects to state property on an ongoing basis.

Project Justification:

The buildings located at the Peace Street and Public Street campuses are approaching seventeen years and fifteen years old respectively. The Gallagher Building is over fifty years old. Asset protection funding is desperately needed for all the facilities for the purpose of addressing trip hazards, parking lot repairs, building repairs, walkway repairs, worn and broken equipment.

In 2011, the state purchased the site in Newport and constructed the Paul Crowley East Bay Met Center. The site included an existing Gallagher wing, which requires improvements to adequately function as a school facility. The campus must be safe and secure and therefore this request will implement safety upgrades recommended by a school safety consultant that surveyed the existing facility including campus lockdown access control system and new door hardware, as well code improvements that will ensure student safety.

Project Status:

Historically, the MET has funded asset protection projects out of their base operating budget. Because of budget restrictions, reductions and other funding requirements asset protection projects have been delayed, creating an accumulating backlog of maintenance items that need to be addressed. This request includes asset protection to the East Bay Campus, as it is now in the care and control of the State. The Gallagher Wing is in need of immediate facility improvements. Asset protection funds would be utilized to maintain a safe and secure school environment, such as the repair of cracks and frost heaves in walkways and on the basketball court, increasing the potential for tripping and falling and to the replacement of doors, door hardware, and other building repairs and equipment. Beginning in FY 17, the annual requests increase to reflect square footage for the Newport campus (Paul Crowley East Bay Met Center and Gallagher building).

Strategic Criteria

Safety Concerns
Safety Narrative

None



Agency **072 ELEMENTARY AND SECONDARY EDUCATION**

Project ID/Name: **MC3 Met School Asset Protection**

Code Violations None
Code Narrative

Energy Impact Major Positive
Energy Narrative
 Modifications to the HVAC systems and installation of lighting control systems will provide significant costs savings to the institution.

Customer Service Minor
Customer Narrative
 Asset maintenance will provide students with a better learning environment.

Geographic Significance Local
Geographic Narrative
 This project is located at the Met School Public Street and Peace Street campuses in Providence and the East Bay campus in Newport.

Agency Mission High
Agency Narrative
 This project will address the routine issues that arise with aging building and grounds in order to maintain a high-quality learning environment.

User Financing 0
User Narrative

Asset Management Asset Protection
Asset Narrative
 These projects will extend the useful life and add value to the facility.

Operating None
Operating Narrative

Historic Preservation No
Historic Narrative

Budgeted Yes
Budget Narrative

Critical Criteria

Critical Life Safety No
Critical Life Safety Narrative

Critical Legal Liability No
Critical Legal Liability Narrative

Prior Binding Commitment No
Prior Binding Commitment Narrative



Agency 072 ELEMENTARY AND SECONDARY EDUCATION

Project ID/Name: MC3 Met School Asset Protection

Return on Investment

High

Return on Investment Narrative

Asset protection spending will preserve valuable state-owned buildings.