

Board of Education Capital Plan FY17-FY21

PROJECT TITLE: Replacement of Oil Monitoring System at Birch Grove Primary School

DATE SUBMITTED: 10/5/2015

DEPARTMENT PROJECT INFORMATION

Department: **Facilities**

Department Contact: **Peter Sztaba**

Fiscal Year(s)

Requested: **FY12017** **FY2018** **FY2019** **FY2020** **FY2021**

Department

Priority: **Critical** **High** **Medium** **Low**

Type of Project:

Vehicle **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Replacement of current INCOM oil tank monitoring system at Birch Grove Primary School with a newer INCON or Pneumercator system. Newer system allow for more real-time monitoring and usage as well as IP based communication to remote locations for enhanced energy tracking. Initial estimate was given by Hugh's Mechanical Service for \$8,900 for a Pneumercator system but this system does not contain IP transmitting capabilities.

Cost-\$9,000-\$11,000

PROJECT NEED

Impact on Department if Recommended or Not Recommended: remote energy consumption tracking, improved oil usage monitoring

Cost to Maintain: Preventative maintenance

Describe all Benefits and/or Savings: remote energy consumption tracking, improved oil usage monitoring, real-time data

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact

Project Cost Elements	FY 2017	FY 2018	FY 2019	FY2020	FY2021	TOTAL
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Feasibility Study						
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Design - Engineering						
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Site Acquisition						
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Site Improvements	\$9,000-\$11,000					
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Construction:						
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Inspection Services						
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Equipment & Furnishings						
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Vehicle Purchase						
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Other						
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Contingency						
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TOTALS-\$9,000-\$11,000						
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Financing Sources

Lease-Purchase						
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Water Enterprise Funds						
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Sewer Enterprise Funds						
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Solid Waste Enterprise Funds						
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Storm Water Enterprise Funds						
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State / Federal Grants						
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Sale of Surplus Property						
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CPA						
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Other (specify)						
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City Appropriation						
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TOTALS-\$9,000-\$11,000						
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**Birch Grove Elementary School
Tank Repair
Proposal**

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Scope of work

Replace Existing INCON Monitoring system with new Pneumercator TMS2000 fuel tank monitoring system. Remove all existing monitoring equipment from underground fuel tank.

Open all explosion proof junction boxes in piping sump manholes/level probe manholes and remove all cables to old system. Open and replace if necessary all explosion proof junction boxes and EY's, clean packing material from all rigid conduits to enable new specified belden cable to be pulled to new Pneumercator system.

New equipment comes with standard factory warranty, (12 months).

Scope of Materials

Pneumercator

- 1 TMS 2000 Level and Leak Alarm Monitoring Console
W/ Report Printer #900438-1
- 1 10' Magnetostrictive Level Transmitter#MP450S-XXX-25
#2 Oil
- 1 4" Dia. BUNA Float Kit for #2 Oil #B4K2
- 2 Leak sensors Electro Optic Sump, Double Wall
- 1 PK4 Mounting Kits
- 1 SK2 Mounting
- 1 Remote High Level Alarm
- * All Belden Cable Specifies
- * Programming and Start-up and Training

Note: Must use existing conduit from building to tank piping sump.

Total Proposal \$8,900.00 (Tax not included)

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Sincerely,
Owner
Hugh