



**2022
Community
Bond
Referendum**

Wantagh

Union Free School District

Board of Education

Anthony Greco, Board President

Laura Reich, Vice President

Tara Cassidy, Trustee

Adam Fisher, Trustee

Kera McLaughlin, Trustee

Administration

John McNamara, Superintendent of Schools

Anthony J. Cedrone, Assistant Superintendent for
Business

Tom Fucci, Director of Facilities

Architect

Mark Design Studios Architecture, PC

Construction Manager

Advanced Construction Group



Capital Projects

Bond Committee Observations Overview

Average age of school buildings is over 65 years old. Most systems met code at the time of installation, but **do not meet current code**, including ventilation and energy efficiency.

Aging infrastructure: Original Mechanical, Electrical, and Plumbing systems, deteriorating masonry, some roofing and interior ceilings/lighting. Existing HVAC systems were somewhat adequate pre-pandemic but do not address current concerns related to **health & wellness** (mechanical ventilation for fresh air to classrooms) and **safety & security**. Buildings are well maintained but key systems are beyond their useful life and in need of being corrected and improved.

General needs include site and stormwater drainage improvements, traffic safety, parking and paving.

Each school could also improve educational programs and opportunities with improvements to key spaces to better serve the curriculum and benefit the students.



Mandalay Elementary School

&

Forest Lake Elementary School

Existing exterior wall panel system is deteriorated, inefficient and cannot support hurricane rated windows.



Asphalt is extensively cracked and failing with multiple areas of settlement.

Capital Project Committee – Key Projects



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MDS MARK
DESIGN
STUDIOS

04.26.2022

**Mandalay
Elementary
School**

**&
Forest Lake
Elementary
School**



**Deteriorated steel lintels, brick ties & mortar joints
with brick displacement and cracking**



Erosion at east fence line at Mandalay

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**Mandalay
Elementary
School**

&

**Forest Lake
Elementary
School**



Deteriorated exterior doors



**Deteriorated exposed steel
columns & beams**

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**Mandalay
Elementary
School**

**& Forest Lake
Elementary
School**

Existing interior windows provided limited daylight and minimal fresh air.



Many windows have failed and condensation is forming within the glazing

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**Mandalay
Elementary
School**

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**Forest Lake
Elementary
School**

Interior ceilings and lighting in need of replacement



Original unit ventilators do not provide adequate ventilation or air filtration



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Wantagh Elementary School

Slate roofing is decayed and in need of replacement

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Wantagh Elementary School

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Brick cracking from water infiltration and steel expansion

Steel lintels above grilles must be replaced and masonry restored



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Wantagh Elementary School

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**Electrical service is undersized and
switchgear cabinet is decayed and rusting**

**Main entrance wood columns and pediment
require restoration**



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Wantagh Elementary School



Original wood windows in need of restoration or replacement



Aluminum windows and transom panels are failing and no longer efficient

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Wantagh Elementary School

Original unit ventilators do not provide adequate ventilation or air filtration

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Interior ceilings and lighting in need of replacement



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Wantagh Middle School

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Curtainwall system is decaying and failing along with operable windows within the system



Additional view of curtainwall with missing fascia, deteriorated brick control joint, rusting panels



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Wantagh Middle School

Failing and deteriorated windows in window wall system



Masonry in need of restoration, including control joint, brick cracking and sealing to stop water infiltration

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Original unit ventilators do not provide adequate ventilation or air filtration

Corridor ceilings are in need of replacement along with replacement of lighting to LED



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Wantagh High School

Brick cracking from water infiltration and steel expansion with outward displacement

Failing windows with deteriorated flashing and deflected lintel in need of replacement

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Wantagh High School

Close view of failed lintel that no longer supports masonry above the opening



Deteriorated & spalled masonry brick due to water infiltration to be replaced



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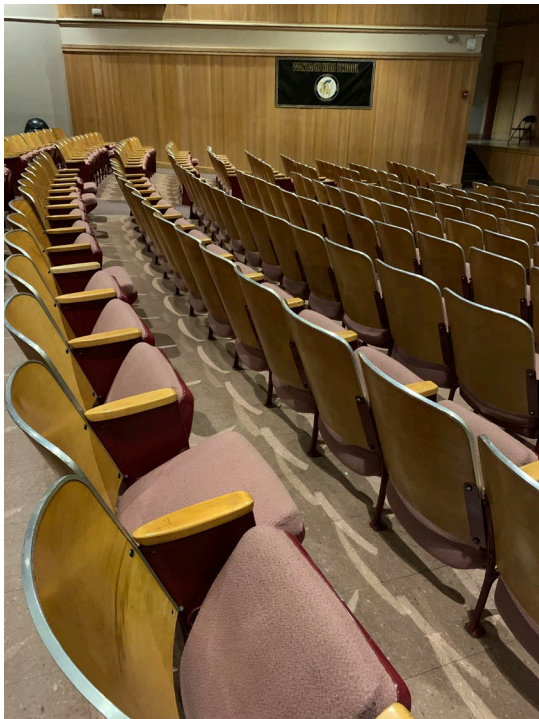
Wantagh High School

Deterioration from water infiltration into masonry wall at courtyard

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District auditorium in need of renovation, including replacement of original seats, flooring, lighting & sound systems and acoustic treatments



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Wantagh High School

Serving Line and Cafeterias in need of improvement for ADA compliance and efficiency

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Corridor ceilings are in need of replacement along with replacement of lighting to LED



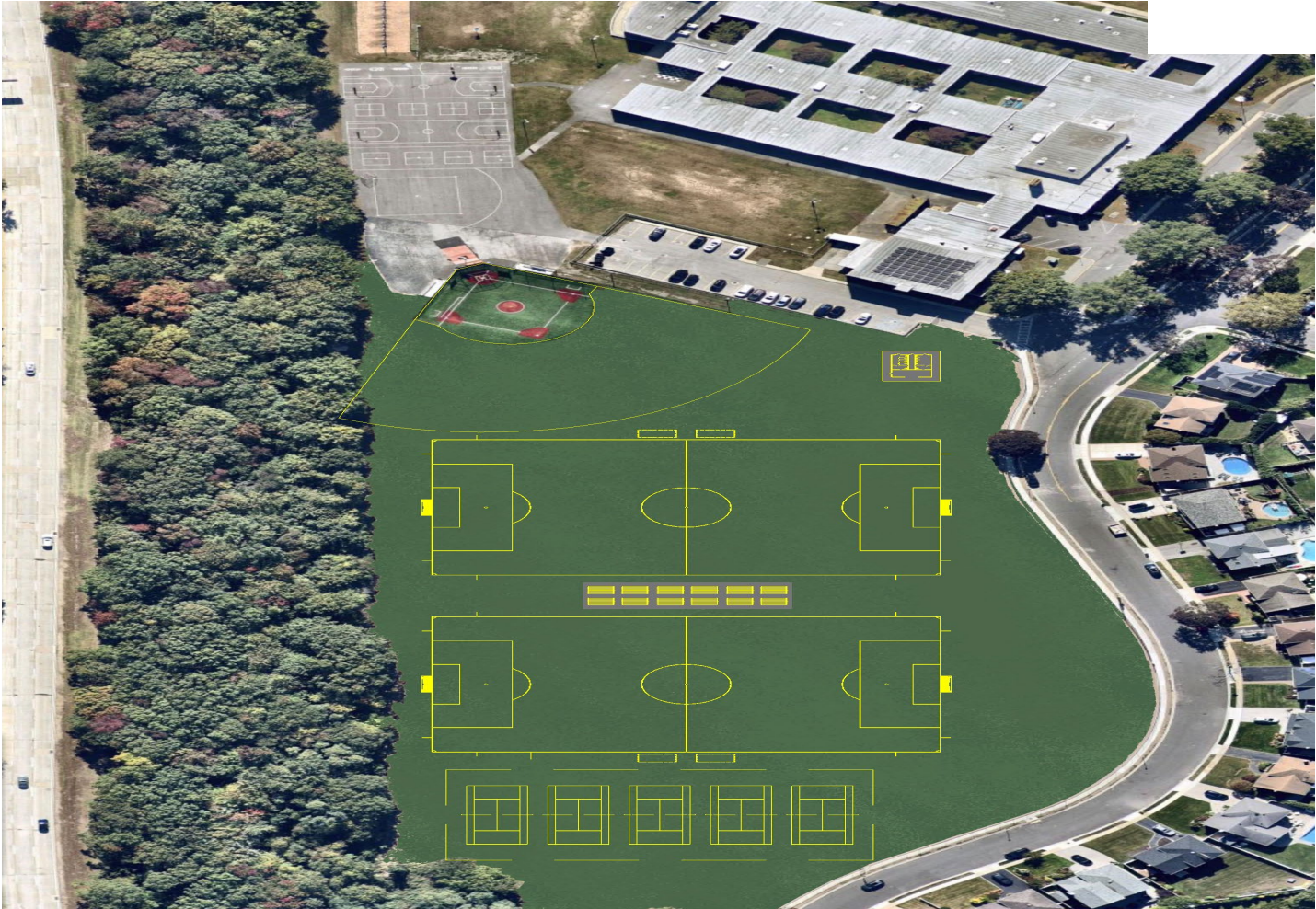
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Forest Lake Elementary School



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Possible Athletic Field improvements at Forest Lake Elementary School
2 Soccer Fields * Tennis Courts * Little League * Toilets



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