

FACILITIES EVALUATION

FEBRUARY 24, 2014

Mike Barr – Director of Facility Construction & Development

Bill Baumann – Director of Operations

Pat Dacy – Asst. Director of Facility Construction & Development

LIST DEVELOPMENT

- Surveys and Tours Were Conducted at Each Building
- Met with Administrators and Building Engineers at Each School
- Consulted with Engineers, Architects and Contractors
- Compiled a List of Major Needs and Concerns

DISTRICT WIDE NEEDS

Building - Operations Facility

- Add Storage Building and Salt Storage Cradle

Chiller / Boiler

- Fox Chase Elementary - Replace Trane Absorption Chiller
- The Wheatlands Elementary - Replace Trane Absorption Chiller and Boiler

Fire Alarm Panel

- Thompson Jr High - Replace Fire Alarm Control Panel / Update Field Devices

Flooring

- Churchill Elementary - Replace Kitchen Epoxy Floor
- Bednarcik Jr High - Replace Failing Floors in 4 Computer Pods

Generator - Emergency Back-up

- Churchill Elementary
- Grande Park Elementary
- Prairie Point Elementary
- Wolf's Crossing Elementary

DISTRICT WIDE NEEDS

Pavement Improvements

- Bednarcik Jr High - Parking Lot Pavement / Sidewalk Replacement
- Brokaw ELC – Partial Parking Lot Replacement
- District Wide - Asphalt Sealcoating/ Crack Filling / Patching/ Restriping
- District Wide - Concrete Dumpster Pads and Enclosure
- Thompson Jr High – Parking Lot Reconfiguration

Roof Replacement

- Oswego High School - Partial Roof Replacement

Surveillance Cameras

- Oswego East and Oswego High Schools
- District Wide - Elementary, Junior High, Operations and Transportation Buildings

Swimming Pool

- Oswego East High School – Swimming Pool and Deck Restoration

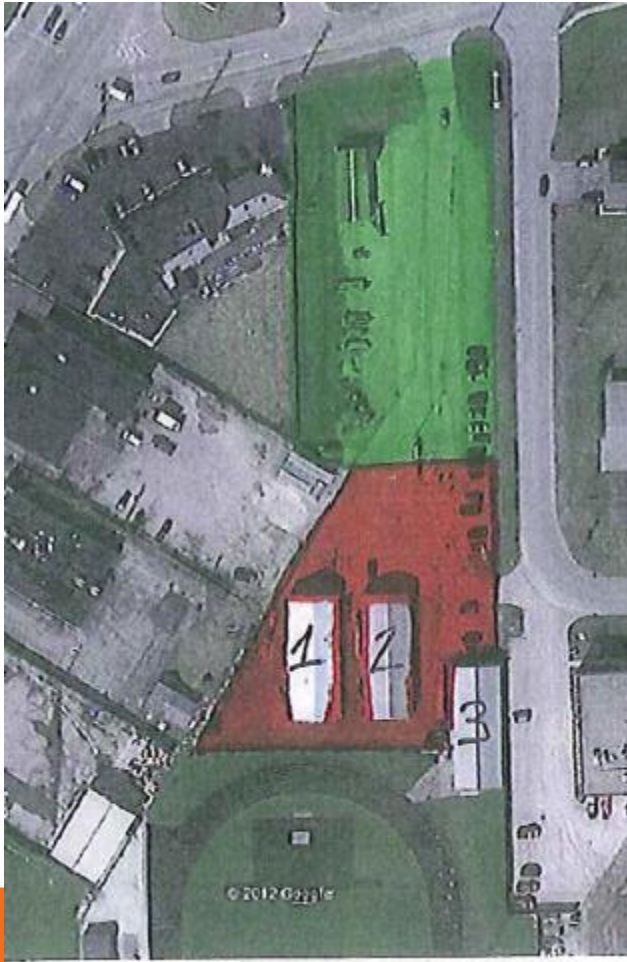
Tennis Courts

- Oswego High School - Restoration of 6 Tennis Courts

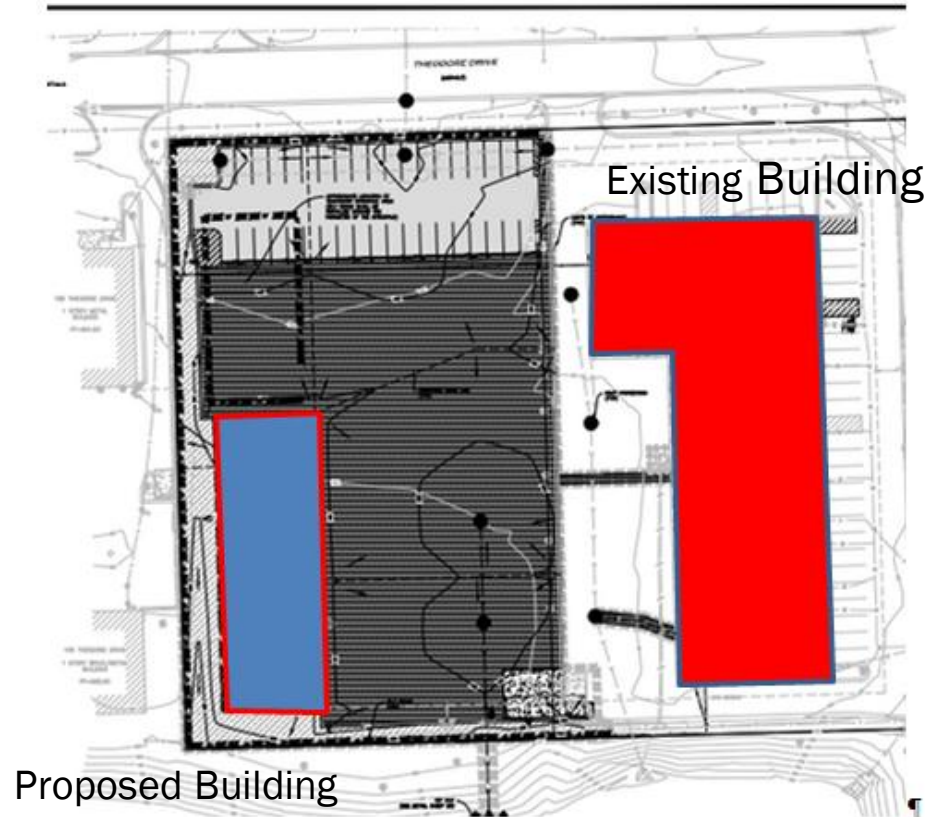
Track

- Oswego High School - Track Replacement
- Oswego East High School – Track Resurfacing

COMPLETE OPERATIONS FACILITY BUILD OUT



Wolf's Crossing Road Site



71 Stonehill Road Site
- Proposed metal storage building
and salt cradle

OPERATIONS FACILITY – OLD TRANSPORTATION RTE 71 SITE STORAGE BUILDING AND SALT STORAGE



Existing Buildings Beyond Useful Life -
Not Cost Effective to Rehab as
Determined by 2 Different Architectural
Firms

Reason for Need

- Consolidation of District Wide Furniture, Fixtures, Equipment, etc. Relieving Storage Issues at Each School
- Additional Space to Relocate Grounds Department to New Operations Facility
- Existing Salt Storage In Need of Replacement
- All Maintenance Operations at Single Location
- Provides Greater Accessibility / Efficiencies

COMPLETE OPERATIONS FACILITY METAL STORAGE BUILDING AND SALT CRADLE

- Tenants Lease Expires April 2014
- Complete Interior Renovation

Estimated Cost: \$300,000

Project Duration: 12 Weeks

CHILLER

FOX CHASE ELEMENTARY



Trane Absorption Chiller

- Footprint: 20' x 10' x 10'
- Provides Chilled Water to the HVAC Systems Throughout the Building
- Unit is Unreliable

Boiler Replaced in 2009 with Two High Efficiency Condensing Boiler

Identical Chiller Failures / Replacement

- Boulder Hill (2009) East View (2010)
- Homestead (2011) Oswego High (2012)

CHILLER

FOX CHASE ELEMENTARY

Propose:

Replace Absorption Chiller with High Efficiency Oil-Free Centrifugal Chiller

Estimated Replacement Cost:

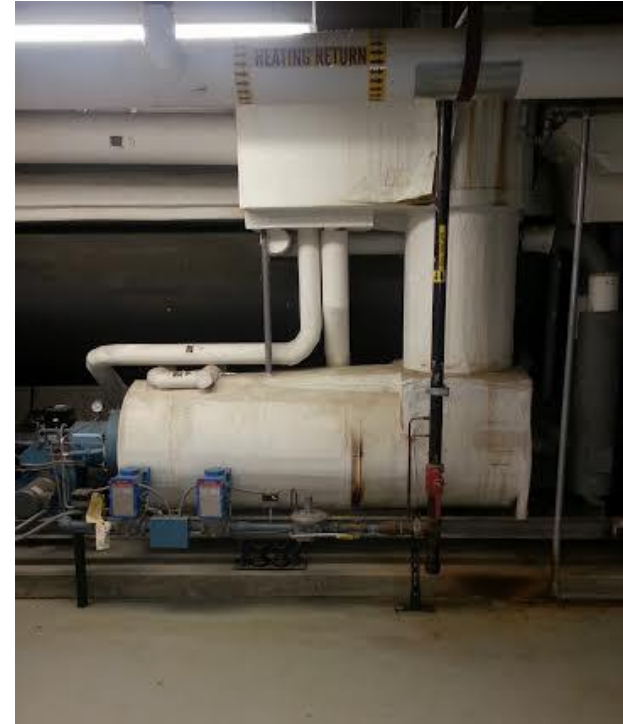
\$450,000

Project Duration:

10 Weeks

CHILLER

THE WHEATLANDS ELEMENTARY



Trane Absorption Chiller

- Footprint: 20' x 10' x 10'
- Provides Chilled Water to the HVAC Systems Throughout the Building
- Provides Backup to Existing Boiler
- Unit is Unreliable

BOILER

THE WHEATLANDS ELEMENTARY



A.O. Smith Genesis Boiler

Maintenance History:

- Numerous Internal Component Failures / Unit Unreliable
- Replaced Identical Unit at Fox Chase in 2009

CHILLER AND BOILER REPLACEMENT

THE WHEATLANDS ELEMENTARY

Propose:

- Replace Boiler with Two High Efficiency Condensing Boilers
- Replace Absorption Chiller with High Efficiency Oil-Free Centrifugal Chiller

Estimated Replacement Cost

\$625,000

Project Duration:

10 Weeks

FIRE ALARM PANEL

THOMPSON JUNIOR HIGH



Fire Alarm Control Panel Replacement

Installed in 1997

FACP Obsolete

- Programming Software Not Available
- Replacement Parts Not Available

Estimated Cost: \$20,000

Project Duration: 4 Weeks

FLOORING

CHURCHILL ELEMENTARY



Replace Kitchen Epoxy Floor

- Cited by Health Dept.

Age: 9 years

Reason for Failure: Poor Floor Preparation

Estimated Cost: \$24,000

Project Duration: 2 Weeks

FLOORING

BEDNARCIK JR HIGH

Replace Failing Floors in
4 Computer Pods

Estimated Cost: \$400,000

Project Duration: 11 Weeks



GENERATORS

EMERGENCY BACK-UP GENERATORS

4 Schools with No Emergency Generator

- Grande Park Elementary
- Churchill Elementary
- Prairie Point Elementary
- Wolf's Crossing Elementary

Estimated Cost: \$700,000

Project Duration: 10 Weeks



PAVEMENT IMPROVEMENTS

BEDNARCIK JR. HIGH / WOLF'S CROSSING



Parking Lot Pavement / Sidewalk Replacement

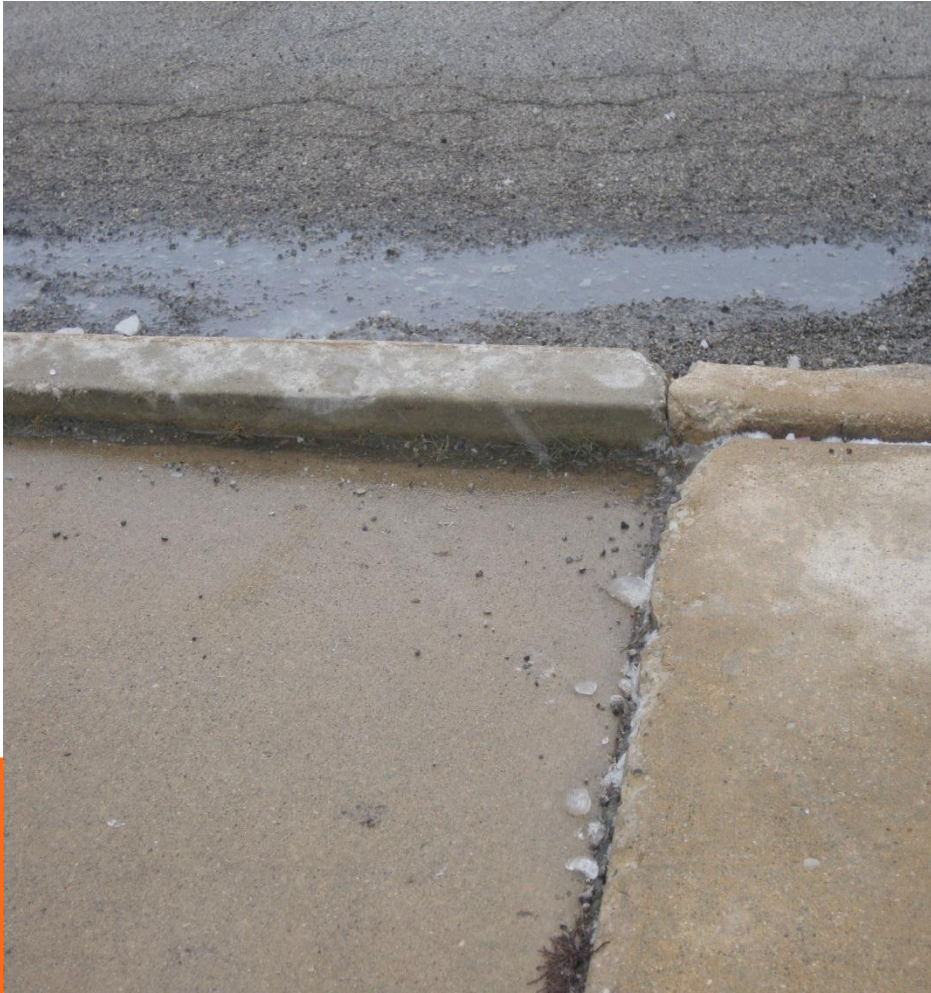
Age: 12 years

Reason for Failure:

- Subgrade Failure
- No Sealcoating and Crack Filling
- Ground Water

PAVEMENT IMPROVEMENTS

BEDNARCIK JR HIGH / WOLF'S CROSSING



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BEDNARCIK JR. HIGH / WOLF'S CROSSING



Parking Lot Pavement / Sidewalk Replacement

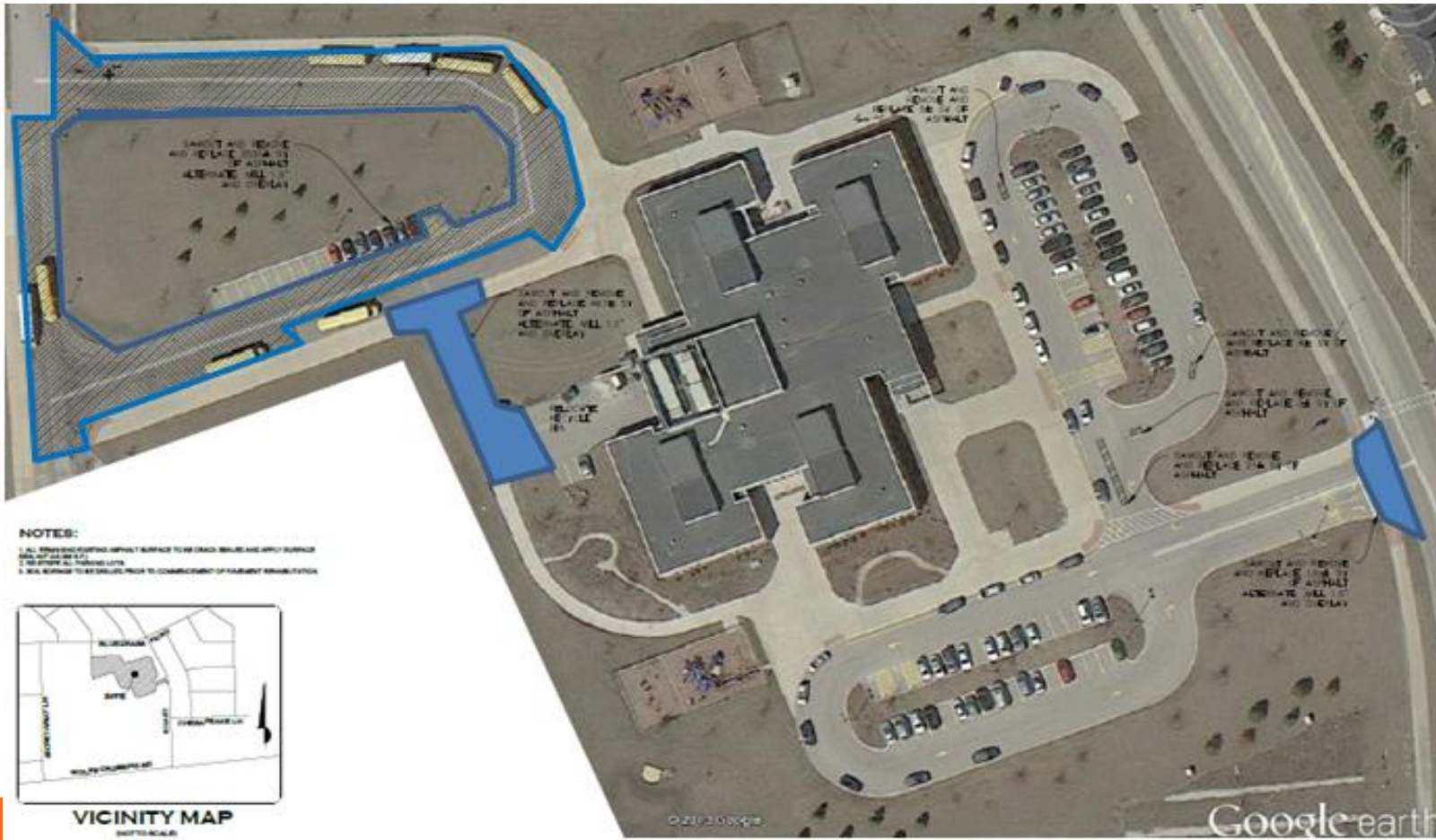
Propose:

- Install Additional Drainage
- Full Asphalt Removal / Replacement
- Mill and Overlay
- Patching
- Sidewalk and Curb Removal / Replacement

Estimated Cost:
\$500,000

Project Duration: 11 Weeks

PAVEMENT IMPROVEMENTS BROKAW EARLY LEARNING CENTER



Partial Parking Lot Replacement

Age: 7 Years

Reason for Failure: Subgrade Failure / Ground Water

PAVEMENT IMPROVEMENTS

BROKAW EARLY LEARNING CENTER



PAVEMENT IMPROVEMENTS

BROKAW EARLY LEARNING CENTER

Partial Parking Lot Replacement

Propose:

- Install Additional Drainage
- Full Asphalt Removal / Replacement
- Patching

Estimated Cost: \$140,000

Project Duration: 6 Weeks

PAVEMENT IMPROVEMENTS

DISTRICT WIDE

ASPHALT SEALCOATING / CRACK FILLING / PATCHING / RESTRIPIING

• Sealcoating – 2 Coats	*2,862,459 sq.ft. @ \$0.11 sq.ft.	\$314,871
• Hot Rubber Crack Fill	238,538 L.F @ \$0.75 L.F.	\$178,904
• Patching		\$ 50,000
• Lot Painting		\$ 48,000
Estimated Total		\$591,775

**Total parking lot square footage is 4,235,471*

PAVEMENT IMPROVEMENTS

DISTRICT WIDE

CONCRETE DUMPSTER PADS AND ENCLOSURES

Estimated Cost: \$525,000

21 Locations

Project Duration: 11 Weeks

PAVEMENT IMPROVEMENTS

THOMPSON JUNIOR HIGH



Reconfigure Parking Lot

Worked with the Principal and Director of Transportation

Estimated Cost: \$45,000

Project Duration: 11 Weeks

ROOF REPLACEMENT

OSWEGO HIGH SCHOOL

Partial Roof Replacement

EPDM (*ethylene propylene diene monomer*) Roof Adhesion Has Failed

Age: 24 years

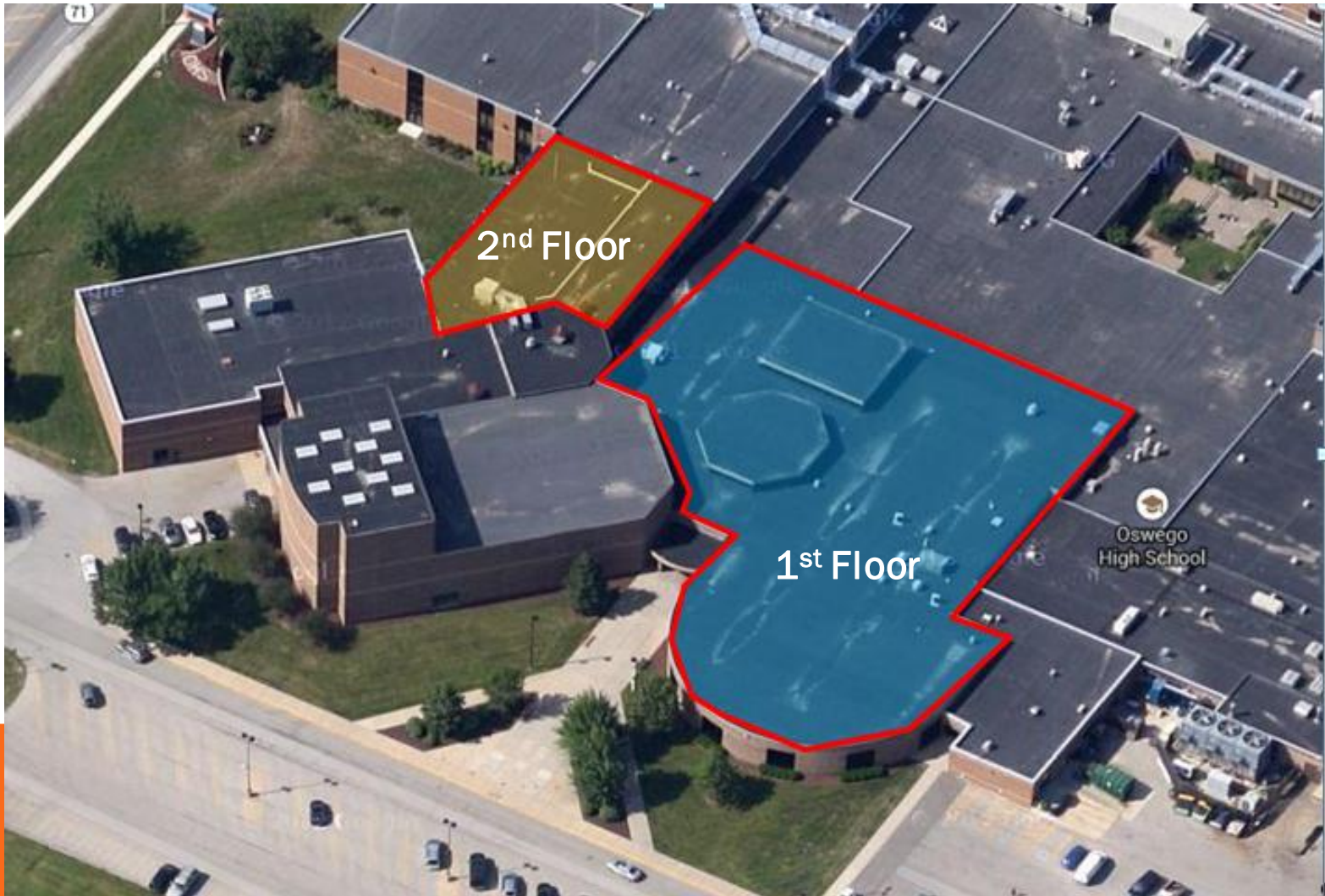
Life Expectancy: 20 Years

Estimated Cost: \$300,000

Project Duration: 8 Weeks

Roof Replacement

Oswego High School



SURVEILLANCE CAMERAS

OSWEGO EAST AND OSWEGO HIGH

Cameras At All Building Entry Points

Cameras At All Interior Common Areas

- Stairwells, Corridors, Main Office, etc.

Cameras on Exterior of Building

- Parking Lots, Driveways, etc.

Current System Provides Inadequate Coverage

SURVEILLANCE CAMERAS

OSWEGO EAST AND OSWEGO HIGH

Estimated Cost: \$750,000

Project Duration: 11 Weeks

SURVEILLANCE CAMERAS

DISTRICT WIDE

(Elementary, Junior High, Transportation Facility, Operations Facility)

Cameras At All Building Entry Points

Cameras At All Interior Common Areas

- Stairwells, Corridors, Main Office, etc.

Cameras on Exterior of Building

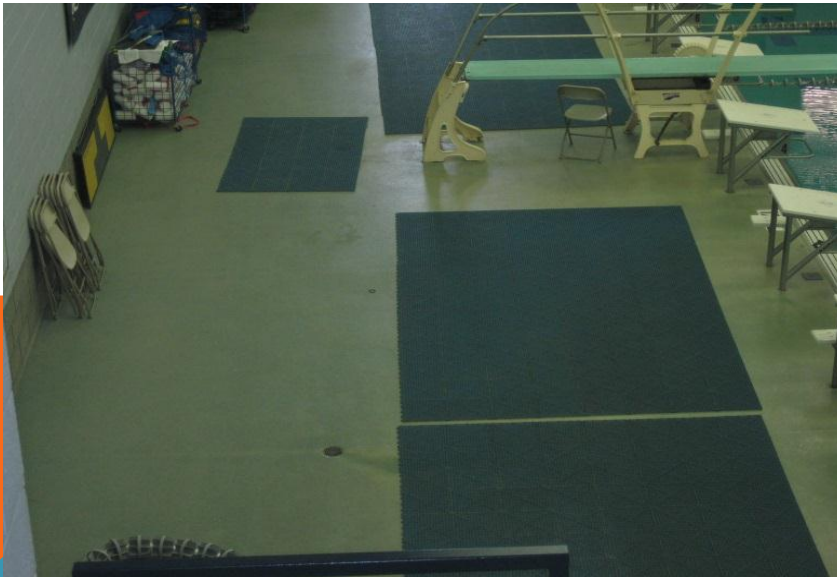
- Parking Lots, Driveways, etc.

Estimated Cost: \$1,500,000

Project Duration: 11 Weeks

SWIMMING POOL

OSWEGO EAST HIGH



Swimming Pool / Deck Restoration

- Remove and Replace Aggregate Plaster Finish Over Entire Interior Pool Surface
- Resurface Existing Epoxy Pool Deck
- Areas of Failed Plaster Exposing Concrete

Age: 10 years

Life Expectancy: 8 -12 years

Estimated Cost: \$210,000

Project Duration: 6 - 8 Weeks

TENNIS COURTS

OSWEGO HIGH SCHOOL



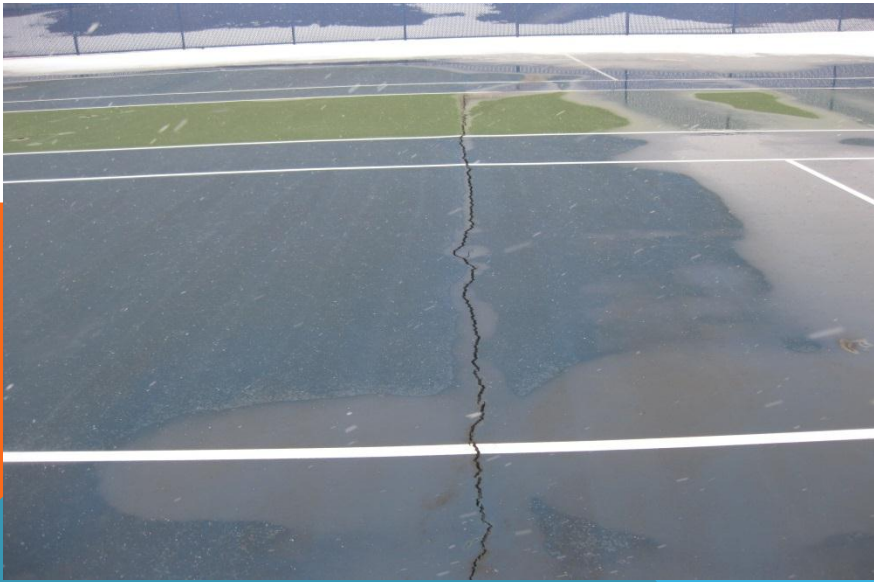
Restoration of 6 Tennis Courts

Age: 6 Years

Reason for Failure: Subgrade Failure Due to Ground Water

Estimated Cost: \$200,000

Project Duration: 11 Weeks



TRACK

OSWEGO HIGH SCHOOL



Track Replacement

Age: 27 years

Life Expectancy: 20-25 years

Estimated Cost: \$500,000

Project Duration: 10 Weeks



TRACK

OSWEGO EAST HIGH SCHOOL



Track Resurfacing

Age: 10 years

Life Expectancy: 10 years

Estimated Cost: \$65,000

Project Duration: 4 Weeks

SUMMARY

Project	Location	Project Description	Estimated Cost	Estimated Timeframe
Additional Building	Operations Facility	Storage Building and Salt Storage	\$ 300,000.00	12 Weeks
Chiller	Fox Chase Elementary	Replace Trane Absorption Chiller	\$ 450,000.00	10 weeks
Chiller / Boiler	The Wheatlands Elementary	Replace Trane Absorption Chiller and Boiler	\$ 625,000.00	10 weeks
Fire Alarm Panel	Thompson Jr High	Replace Fire Alarm Control Panel / Update Field Device	\$ 20,000.00	4 weeks
Flooring	Churchill Elementary	Replace Kitchen Epoxy Floor	\$ 24,000.00	2 weeks
Flooring	Bednarcik Jr High	Replace Failing Floors in 4 Computer Pods	\$ 400,000.00	11 weeks
Generator	CH, GP, PT, WC	Emergency Back-Up Generator Needed	\$ 700,000.00	10 weeks
Pavement Improvements	Bednarcik / WC	Parking Lot Pavement Replacement	\$ 500,000.00	11 weeks
Pavement Improvements	Brokaw Early Learning	Partial Parking Lot Replacement	\$ 140,000.00	6 weeks
Pavement Improvements	District Wide	Asphalt Sealcoating / Crack Filling/ Patching / Restriping	\$ 591,775.00	11 weeks
Pavement Improvements	District Wide	Concrete Dumpster Pads & Enclosures	\$ 575,000.00	11 weeks
Pavement Improvements	Thompson Jr High	Reconfigure Parking Lots	\$ 45,000.00	11 weeks
Roof	Oswego High	Partial Roof Replacement	\$ 250,000.00	8 weeks
Surveillance Cameras	OEH & OHS	Add Surveillance Cameras	\$ 750,000.00	11 weeks
Surveillance Cameras	District Wide	Add Surveillance Cameras (Elem, JH, TRNS, MNT)	\$ 1,500,000.00	11 weeks
Swimming Pool	Oswego East	Swimming Pool and Deck Restoration	\$ 210,000.00	6-8 weeks
Tennis Courts	Oswego High	Restoration of 6 Tennis Courts	\$ 200,000.00	11 weeks
Track	Oswego High	Track Replacement	\$ 500,000.00	10 weeks
Track	Oswego East	Track Resurface	\$ 65,000.00	4 weeks
			Estimated Total	\$ 7,845,775.00

REMAINING CONSTRUCTION FUNDS

\$7.2 MILLION

- Funds From Construction Projects '07-'13 Under Budget
- Remaining Funds From Bond Sales of The High School Additions