



Welcome to the

2017 Proposed Capital Project Board of Education Update

January 17, 2017

7:00 pm High School Media Center



Preserving & Enhancing & Securing





Agenda

- Introductions
- Long Term Plan Development
- Campus Construction Management
- Capital Project Scope
- Schedule
- Questions & Answers



Project Team

- Young + Wright Architectural
 - Shawn Wright – Partner
 - Jim Hickey – Project Manager
 - Jill Burnett – Project Architect
- Campus Construction Management
 - John Ticco
 - Tom Caruso
 - Nick Humphrey
- Capital Market Advisors
 - Roy McMaster





Long Term Plan Development

December 2015

**NYSED Building
Condition Survey
Completed**

District Goal: Develop a long term plan to address District needs over time using various project types and funding options.

March 2017

**Board
Resolution of
Capital
Project**

2015 July/August Sept Nov Dec Jan Feb March April May June July August Sept Oct Nov Dec Jan Feb **March** April May 2017

September 2015 – December 2016

- Committee Review of BCS Data
- District Buildings Tour with Key Staff
- District Questionnaire to All Buildings and Public for Input
- Committee review of all data available



May
16th

Public Vote



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The Long Term Plan

2015 2016 2017 2018 2019 2020 2021 2022



2015 BCS

Smart Schools Bond Act

Capital Project



2020 BCS

Project 2020

Solar Array Project

Capital Outlay (\$100K)

Capital Outlay (\$100K)

Capital Outlay (\$100K)

Capital Outlay (\$100K)

Capital Outlay (\$100K)

Capital Outlay (\$100K)

Hoag Storm Sewer Replaceme
Maintenance

Maintenance
Maintenance

Maintenance
Maintenance

Maintenance
Maintenance

Maintenance
Maintenance

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Corporate Focus – K-12 Construction Management

- K-12 CM Services since 1989
 - **275 K-12 projects of all sizes ... \$1M to \$120M**
 - **BCS/5 Year Plans**
 - **Pre-referendum Phase**
 - **Pre-construction Phase**
 - **Construction Phase**
- Philosophy:
 - **To be our client's advocate throughout the entire project lifespan**
 - **Control the process on behalf of the District**
 - **Represent the District in all aspects of the project**
- Repeat clients
- Staff of over 70 employee-owners
- Dedicated to K-12 CM exclusively



Campus Construction Management

K-12 Construction Management Projects

- \$4.2 billion in project value
- 275 projects
- 123 districts
- All sizes ... \$1M to 120M

ALBANY

Bethlehem CSD
• Add/Reno \$29.2M

ALLEGANY

Andover CSD
• Add/Reno \$8.5M

Filmore CSD
• Add/Reno \$6.7M
• Bus Garage \$1.6M

Genesee Valley CSD
• New ES \$29.5M

Wellsville CSD
• Add/Reno \$25.9M

CATTARAUGUS

Allegheny-Limestone CSD
• Capital Expansion \$25.5M
• Phase III \$11.4M
• Reno \$11.0M

Ellicottville CSD
• Add/Reno \$9.8M

Olean City SD
• Add/Reno \$27.4M
• Add/Reno \$16.2M

Randolph CSD
• Add/Reno Ph. III \$16.9M
• Phase III \$9.8M
• Phase IV \$3.5M
• Reno EXCEL \$5.1M
• Add/Reno \$7.1M

Pavilion CSD
• Add/Reno \$23.1M
• Renovations \$400K

West Valley CSD
• Add/Reno \$1.4M

CAYUGA

Port Byron CSD
• Add/Reno \$5.8M
• Renovations \$800K

CHAUTAUQUA

Fredonia CSD
• Reno \$3.4M

Southwestern CSD
• New Elementary School \$31.5M
• Renovations \$10.0M

SUNY Fredonia
• Rockefeller Arts Center \$26.1M

CHEMUNG

Horseheads CSD
• Add/Reno \$19.0M

CHEMANGO

Otisco Valley CSD
• Add/Reno \$17M
• Renovations \$1.2M

COLUMBIA

Chatham CSD
• Renovations \$13.4M

CORTLAND

McGraw CSD
• Add/Reno \$11.0M

ERIE

Akron CSD
• Add/Reno \$9.8M

Eden CSD
• Add/Reno \$22.2M

Grand Island CSD
• Add/Reno \$51.4M
• Bus Garage \$6.4M

Iroquois CSD
• Add/Reno \$17.0M

Kenmore-Tonawanda UFSD
• Renovations \$58.6M
• Renovations \$51.5M

Lackawanna City SD
• Add/Reno \$8.7M
• Add/Reno \$27.9M

Tonawanda City SD
• Add/Reno \$30M

Williamsville CSD
• Renovations \$29.5M
• Renovations \$16.8M
• Add/Reno \$50.0M

FRANKLIN

Tupper Lake CSD
• Add/Reno \$13.0M

GENESEE

Batavia City SD
• Add/Reno \$20M

Le Roy CSD
• Add/Reno \$12.7M

Oakfield - Alabama CSD
• Add/Reno \$17.8M

Pavilion CSD
• Add/Reno \$23.1M
• Renovations \$400K

Pembroke CSD
• Add/Reno \$24.8M

GREENE

Catskill CSD
• Capital Expansion \$23.6M

Greenville CSD
• Addition \$600K
• Transportation Fac. \$900K

HERKIMER

Central Valley CSD
• Add/Reno \$73.6M

LIVINGSTON

Avon CSD
• Pool Restoration \$1M
• Add/Reno \$14.0M
• Add/Reno \$9.9M
• EXCEL Renovations \$1.5M
• NYSEDA \$600K
• Renovations \$625K
• Renovations \$600K
• Add/Renos \$11M

Caledonia - Mumford CSD
• Renovations \$2.7M
• Reno/Network \$5.5M
• Add/Reno \$3.0M
• Add/Reno \$7.3M

Dansville CSD
• Add/Reno Ph. I \$23.0M
• Add/Reno Ph. I \$30M
• Renovations \$2.2M

Keshequa (Dalton-Nunda) CSD
• Add/Reno \$26.9M

Livonia CSD
• Add/Reno \$28.6M

ML Morris CSD
• Add/Reno \$4M

York CSD
• Add/Reno \$10.9M

MADISON

Cazenovia CSD
• Add/Reno \$12.5M
• Add/Reno \$7.4M

MONROE

Brighton CSD
• Add/Reno \$14M
• Addition \$1.9M
• Add/Reno \$6.5M
• Add/Reno/Pool \$9M

Brockport CSD
• Add/Reno \$19.4M
• Capital Project \$17.5M

Churchville-Chili CSD
• Add/Reno \$31M
• EXCEL Renovations \$9.4M
• Capital Project Ph. II \$55.5M
• Capital Project Ph. III \$1.0M
• Capital Project Ph. IV \$8.9M
• Capital Project Ph. V \$22.7M

East Rochester UFSD
• Add/Reno \$6.1M

Fairport CSD
• Add/Reno \$9.4M
• Add/Reno \$29.2M
• Transportation Fac. \$11.2M

Greece CSD
• Add/Reno \$119.5M

Hilton CSD
• Add/Reno \$9.9M
• Add/Reno \$17.8M
• Add/Reno \$57.7M
• EXCEL Renos \$9.5M
• Bond Project \$800K
• Renovations \$2M
• Add/Reno \$19.5M

Honeoye Falls-Lima CSD
• Add/Reno \$8.5M
• Renovations \$9M
• Renovations \$19.5M
• Add/Reno Ph. I \$32.5M
• NYSEDA \$600K
• Add/Reno Ph. II \$29.9M

Monroe 2 - Orleans BOCES
• Add/Reno \$29.2M

Penfield CSD
• Add/Reno \$73.0M
• Renovations \$2.6M
• Add/Reno \$9M
• Add/Reno \$3.2M

Pittsford CSD
• New MS/Add/Reno \$112.2M
• Add/Reno Ph. I \$4.3M
• EXCEL Reno Ph. 2 \$3.1M
• Renovations \$2M
• Add/Reno/Athletics \$43.2M

Rochester City SD
• Charlotte HS \$19.2M
• Franklin HS \$3.2M
• Monroe HS Ph. 1B \$23M
• Monroe HS Ph. 2A \$18M

Sperceport CSD
• New ES/Add/Reno \$46.5M
• Add/Reno \$15M
• Reno/Soccer Field \$12.4M
• Renovations \$800K
• Capital Project \$2.4M
• Capital Project \$9.9M
• Renovations \$12.4M

Victor CSD
• Add/Reno \$9.9M
• Add/Reno \$29.9M
• Capstone \$12M
• Add/Reno \$28.7M
• Add/Reno \$20M

ORANGE

Middletown ECD
• New ES \$19.8M
• New MS \$22.9M

ORLEANS

Abion CSD
• Reconstruction \$5.8M
• Capital Project \$18.7M

Holley CSD
• Reno \$9.9M
• ES Add/Reno \$8.6M

Medina CSD
• Add/Reno \$20M

NIAGARA

Lewiston-Porter CSD
• Add/Reno \$26.1M

Lockport City SD

North Tonawanda City SD
• Add/Reno \$48M

ONONDAGA

Jordan - Elbridge CSD
• Add/Reno \$9.5M

OSWEGO

Oswego City SD
• Renovations \$4.5M
• Add/Reno \$7.5M
• Window Replacement \$2.2M
• HVAC Renos \$9.9M
• EXCEL Capital Project \$48M
• Add/Reno \$15M

Phoenix CSD
• Add/Reno \$41.0M
• EXCEL Renovations \$7.8M

Pulaski Academy & CSD
• Add/Reno \$7.5M

PUTNAM

Garrison UFSD
• Add/Reno \$6.3M

RENSSELAER

Hoosic Valley CSD
• Add/Reno \$6.2M

ST. LAWRENCE

Carlton CSD
• Add/Reno \$15M

Clifton-Fine CSD
• Add/Reno \$7.1M

STEBUEN

Addison CSD
• Add/Reno \$8.9M
• Add/Reno Ph. I \$28.4M
• Add/Reno Ph. II \$22.9M
• Add/Reno Ph. III \$20.0M

Aruport CSD
• Add/Reno \$10M

Avoca CSD
• Add/Reno \$13M
• EXCEL Renovations \$8.5M

Bath CSD
• Add/Reno Ph. I \$37.0M
• Add/Reno Ph. II \$7.8M

Bradford CSD
• Add/Reno \$7.0M

Canisteo-Greenwood CSD
• Renovations \$6.8M

Hammondsport CSD
• Add/Reno \$7.7M

Wayland-Cohocton CSD
• Add/Reno Ph. I \$4.9M
• New HS/Reno Ph. II-III \$22.1M
• Renovations Ph. IV \$2M
• EXCEL Renovations \$11M
• Renovations \$3.8M
• Add/Reno \$14.6M

SUFFOLK

Sag Harbor UFSD
• Add/Reno \$14M

Springs UFSD
• Add/Reno \$3M

TIOGA

Candor CSD
• Add/Reno \$4M
• Flood Remediation \$258K
• Capital Project \$21.5M

TOMPKINS

Dryden CSD
• Add/Reno \$12.8M
• Add/Reno \$17M
• Add/Reno \$17M

Ithaca City SD
• HS Renovations \$20M

Newfield CSD
• Add/Reno \$11.5M
• Capital Project \$4.5M

Trumansburg CSD
• Add/Reno \$19.6M

Seneca

Romulus CSD
• Add/Reno \$6.8M

South Seneca CSD
• Add/Reno \$14M

Waterloo CSD
• Reconstruction \$3M
• Capital Expansion \$11.3M
• Reconstruction 1996-\$3.8M
• Transportation Facility \$13M
• Capital Expansion \$56.4M
• EXCEL Renovations \$15.4M
• Capital Improvements \$21M

ULSTER

Rondout Valley CSD
• Add/Reno \$15M

WARREN

North Warren CSD
• New K-12 School \$15.8M

Queensbury UFSD
• New MS/Add/Reno \$14M

WASHINGTON

Cambridge CSD
• Add/Reno \$4.5M
• Add/Reno \$1.5M

Granville CSD
• EXCEL Renovations \$8.5M

WAYNE

Clyde-Savannah CSD
• Renovations \$17.9M

Gananda CSD
• Renovations \$235K
• Add/Reno \$2.5M

Marion CSD
• Add/Reno \$1.2M
• Renovations \$70

Newark CSD
• Add/Reno \$6.8M

North Rose-Wolcott CSD
• Add/Reno \$1.7M
• Add/Reno \$21M
• Renovations \$2.2M
• Renovations \$1.4M
• Renovations \$250K
• Renovations \$1.4M

Sodus CSD
• Add/Reno \$22.7M

WESTCHESTER

Briarcliff Manor UFSD
• Add/Reno \$36.8M

Yorktown CSD
• Add/Reno \$33.7M

WYOMING

Albion CSD
• Add/Reno \$29.9M

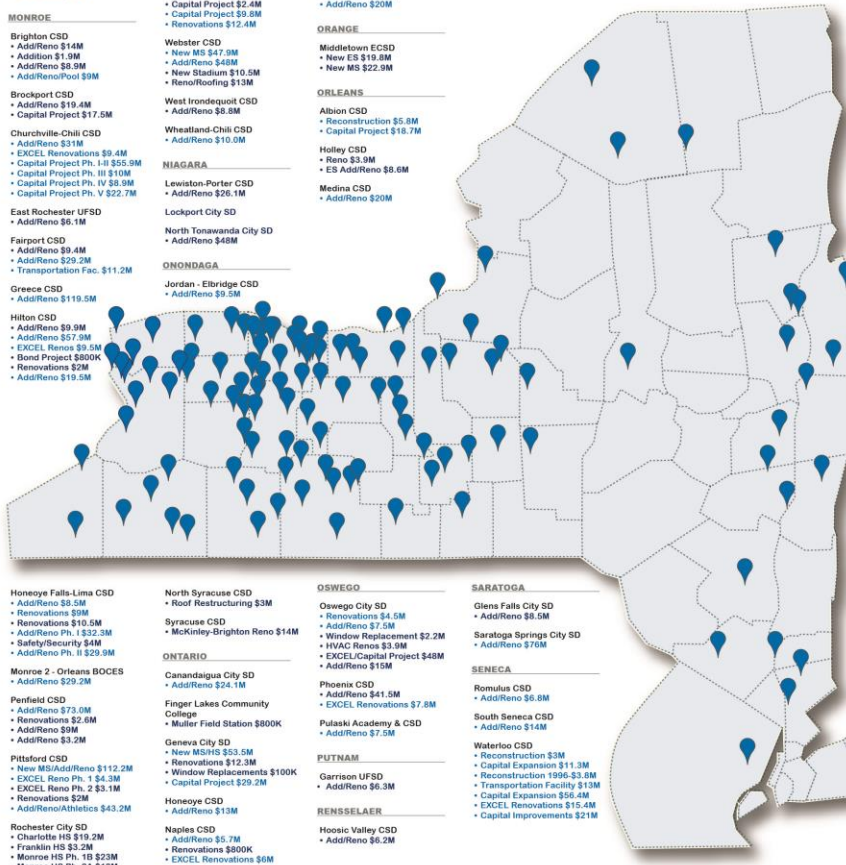
Letchworth CSD
• Add/Reno \$26.9M
• EXCEL Renovations \$3M
• Add/Reno \$5.6M

Perry CSD
• New ES/MS \$17.8M
• HS Add/Reno \$9.3M
• Renovations \$6.8M

Wyoming CSD
• Add/Reno \$3.9M

ESSEX (New Jersey)

East Orange SD
• Capital Expansion \$70M



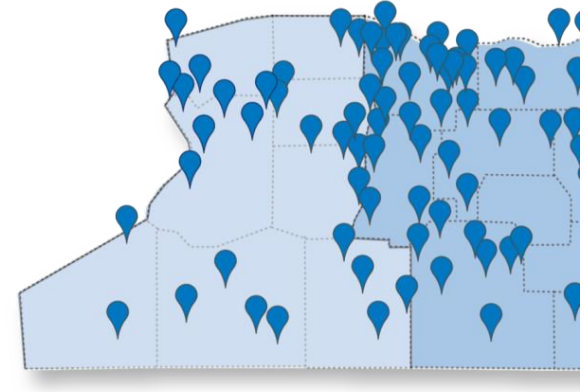
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Western NY Region

- \$1.1 billion in education CM
- 76 K-12 projects completed or in progress
- Clients include:



Current

Akron CSD

Batavia City SD

Eden CSD

Kenmore-Tonawanda UFSD

Lackawanna City SD

Le Roy CSD

Lewiston-Porter CSD

Lockport City SD

Medina CSD

Oakfield-Alabama CSD

Olean City SD

Randolph CSD

Springville-Griffith Inst. CSD

Tonawanda City SD

Warsaw CSD

Williamsville CSD

Recent

Allegany-Limestone CSD

Ellicottville CSD

Fillmore CSD

Fredonia CSD

Grand Island CSD

Iroquois CSD

Kenmore-Tonawanda UFSD

Lackawanna City SD

Letchworth CSD

Lockport City SD

North Tonawanda City SD

Olean City SD

Pembroke CSD

Perry CSD

Randolph CSD

SUNY Fredonia

Tapestry Charter School

Wellsville CSD

West Valley CSD

Williamsville CSD

Wyoming CSD



Lake Shore High School

- Reconfigure bus loop and parent drop off
- Replace outdoor track surface
- Provide Exterior Toilet Rooms for the public
- Provide a Secure Main Entrance
- Provide additional Toilet Rooms in Main Lobby
- Renovate Main Office, Guidance Office, and Nurse's Office
- Renovate Auditorium and reconfigure Music classrooms
- Renovation of/or addition for Tech Shops
- Upgrades in the Gym and Pool
- Renovation of Science and Art rooms
- Roof replacement
- HVAC upgrades



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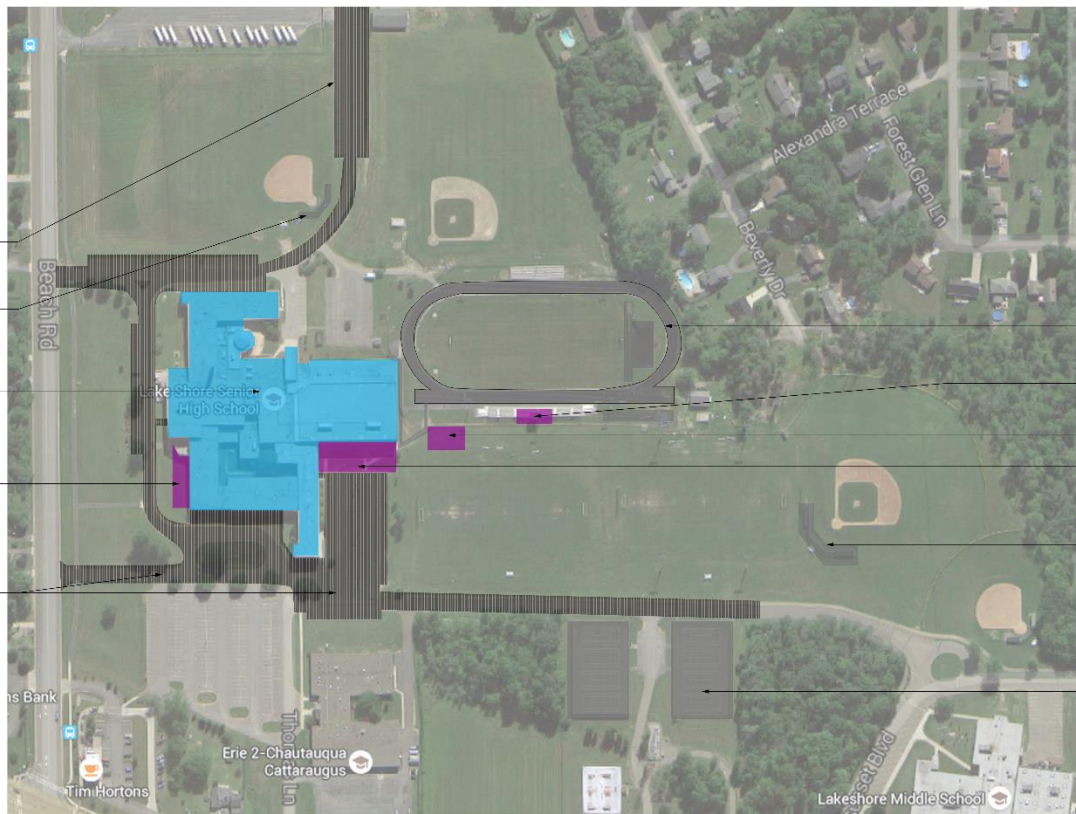
Lake Shore High School

DISCIPLINE COLOR KEY

- SITE WORK
- ARCHITECTURAL
- FLOORS
- CEILINGS
- FLOORS AND CEILINGS
- MECHANICAL
- PLUMBING
- ELECTRICAL
- FULL RENOVATION

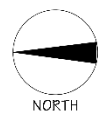
- ### GENERAL SCOPE NOTES
- 4001,4007 SITE SANITARY AND DRAINAGE UPGRADES
 - MECHANICAL UPGRADES
 - 4129,4130 GENERAL MASONRY REPAIR
 - UPGRADE PARKING LOT LIGHTING CONTROL SYSTEM

- PROVIDE NEW SIDEWALK OUT TO NORTH MAIN STREET
- REPLACE SOFTBALL BACKSTOP
- 4144,4146 ROOF REPLACEMENT
- MUSIC SUITE ADDITION
- 4019,4020,4021,4022,4024, PARKING LOT, DRIVEWAY, BUS LOOP, SIDEWALK, DRAINAGE IMPROVEMENTS



- 4026,4032,4039 TRACK/ JUMPING EVENTS SYNTHETIC SURFACE REPLACEMENT
- 4034 REPLACE PRESS BOX
- 4029 EXTERIOR ENTRANCE TO STADIUM AND CONCESSION BUILDING WITH TOILET ROOMS ADDITION
- ATHLETIC/ TECH SHOP ADDITION
- 4027 EXTEND BASEBALL DUGOUT FENCING
- 4036 RESURFACE TENNIS COURTS

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Lake Shore High School

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4061,4104,4059,4254,4117,4096
AUDITORIUM RENOVATION

4100,4248 REPURPOSE
ORCHESTRA ROOM

MUSIC SUITE ADDITION

RENOVATE GENERAL
CLASSROOMS INTO MUSIC
SPACES

4084 REPLACE DISTRIBUTION
PANEL

4260 PROVIDE SECURE ENTRANCE

RENOVATE TOILET ROOMS

4272 RENOVATE MAIN OFFICE

4273 RENOVATE GUIDANCE OFFICE

GENERAL SCOPE NOTES

- 4261,4262 REPLACE EXISTING MARKERBOARDS AND CHALKBOARDS
- 4046,4047, 4048 REPAIR INTERIOR WALLS AND CEILING
- 4089,4091 LIGHTING FIXTURE REPLACEMENT ALLOWANCE
- 4092 HVAC UPGRADES
- 4220,4221 UPGRADE FIRE/ CARBON MONOXIDE DETECTORS/ SMOKE DETECTION SYSTEMS
- 4150 PLUMBING UPGRADES
- PROVIDE AIR CONDITIONING IN WIRING CLOSETS
- 4125,4126, 4129,4130 REPLACE EXTERIOR MASONRY AND CHIMNEY

4244- RENOVATE ART ROOM

RENOVATE TECH SHOPS

ATHLETIC/ TECH SHOP ADDITION

4227 RENOVATE NURSE'S OFFICE

4060,4282,4283 RENOVATE POOL
LOCKER ROOMS

4284 REPLACE WOOD SPECTATOR
BENCHES AND PAINT FLOOR

4131 EXTERIOR ALUMINUM DOOR, FRAME
AND HARDWARE REPLACEMENT

4101,4116,4232 REFINISH WOOD GYM
FLOOR, REPLACE BLEACHERS AND
CURTAINS, RESURFACE INDOOR TRACK

4279 PROVIDE ADA BENCHES

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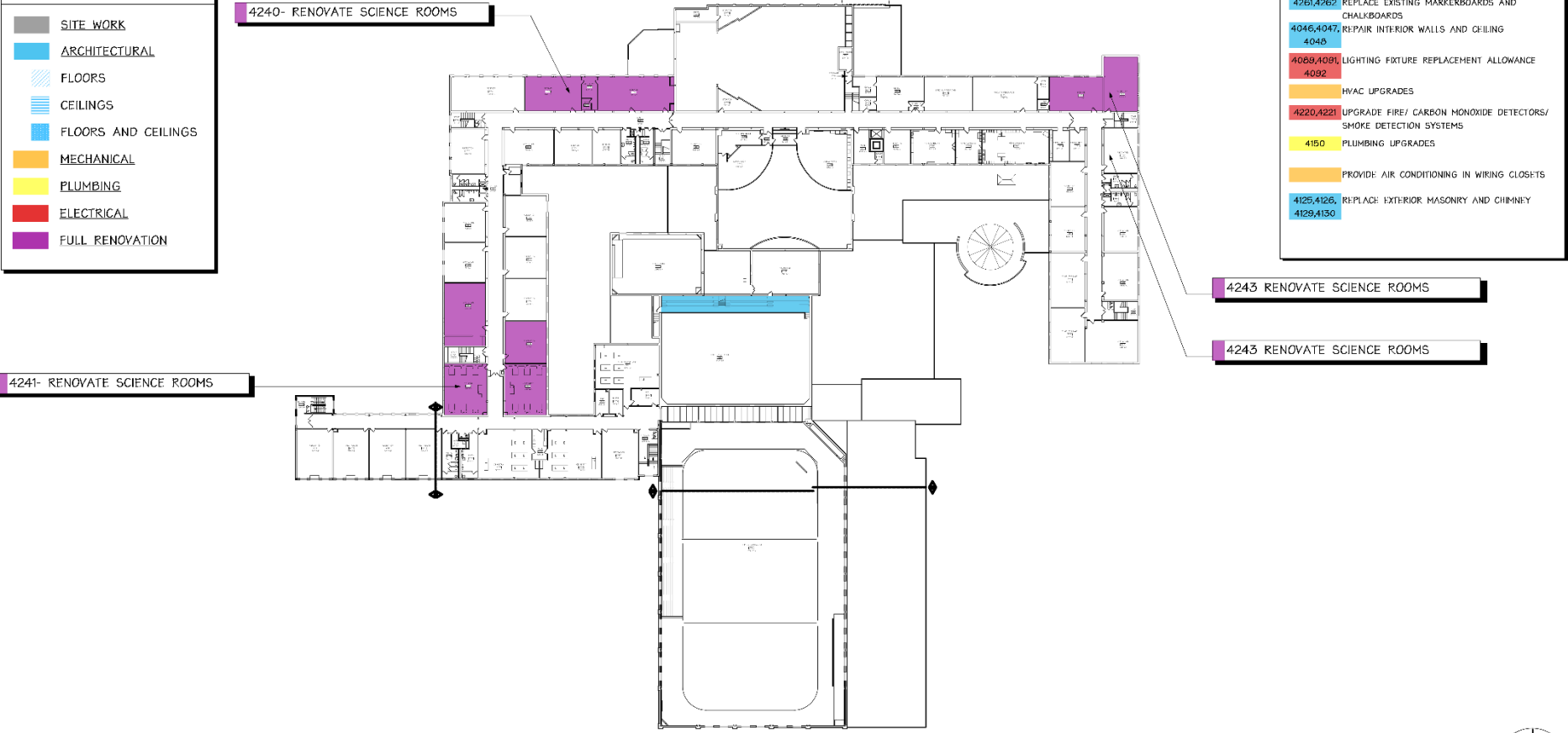
Lake Shore High School

DISCIPLINE COLOR KEY

- SITE WORK
- ARCHITECTURAL
- FLOORS
- CEILINGS
- FLOORS AND CEILINGS
- MECHANICAL
- PLUMBING
- ELECTRICAL
- FULL RENOVATION

GENERAL SCOPE NOTES

- 4261,4262 REPLACE EXISTING MARKERBOARDS AND CHALKBOARDS
- 4046,4047, 4048 REPAIR INTERIOR WALLS AND CEILING
- 4089,4091, 4092 LIGHTING FIXTURE REPLACEMENT ALLOWANCE
- HVAC UPGRADES
- 4220,4221 UPGRADE FIRE/ CARBON MONOXIDE DETECTORS/ SMOKE DETECTION SYSTEMS
- 4150 PLUMBING UPGRADES
- PROVIDE AIR CONDITIONING IN WIRING CLOSETS
- 4125,4126, 4129,4130 REPLACE EXTERIOR MASONRY AND CHIMNEY



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Lake Shore Middle School

- Reconfigure bus loop and parent drop off
- Provide exterior toilet rooms for the public
- Provide a Secure Main Entrance
- Provide additional Toilet Rooms in Main Lobby
- Reconfigure Main Office and Nurse's Office
- Renovate Auditorium and Music classrooms
- Replace bleachers, basketball backboards, and refinish floor in Gym
- HVAC upgrades



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Lake Shore Middle School

DISCIPLINE COLOR KEY

Grey	SITE WORK
Blue	ARCHITECTURAL
Orange	MECHANICAL
Yellow	PLUMBING
Red	ELECTRICAL
Purple	FULL RENOVATION

GENERAL SCOPE NOTES

6079,6080	GENERAL MASONRY REPAIR
	HVAC UPGRADES
	UPGRADE PARKING LOT LIGHTING CONTROL SYSTEM

PARKING LOT, DRIVEWAY, BUS LOOP, SIDEWALK, DRAINAGE UPGRADES

REPAIR DAMAGE POLE RISER CONDUIT

EXTERIOR UNISEX TOILET ROOMS

6094,6096 REPLACE SKYLIGHT

6085 POOL ROOF REPLACEMENT



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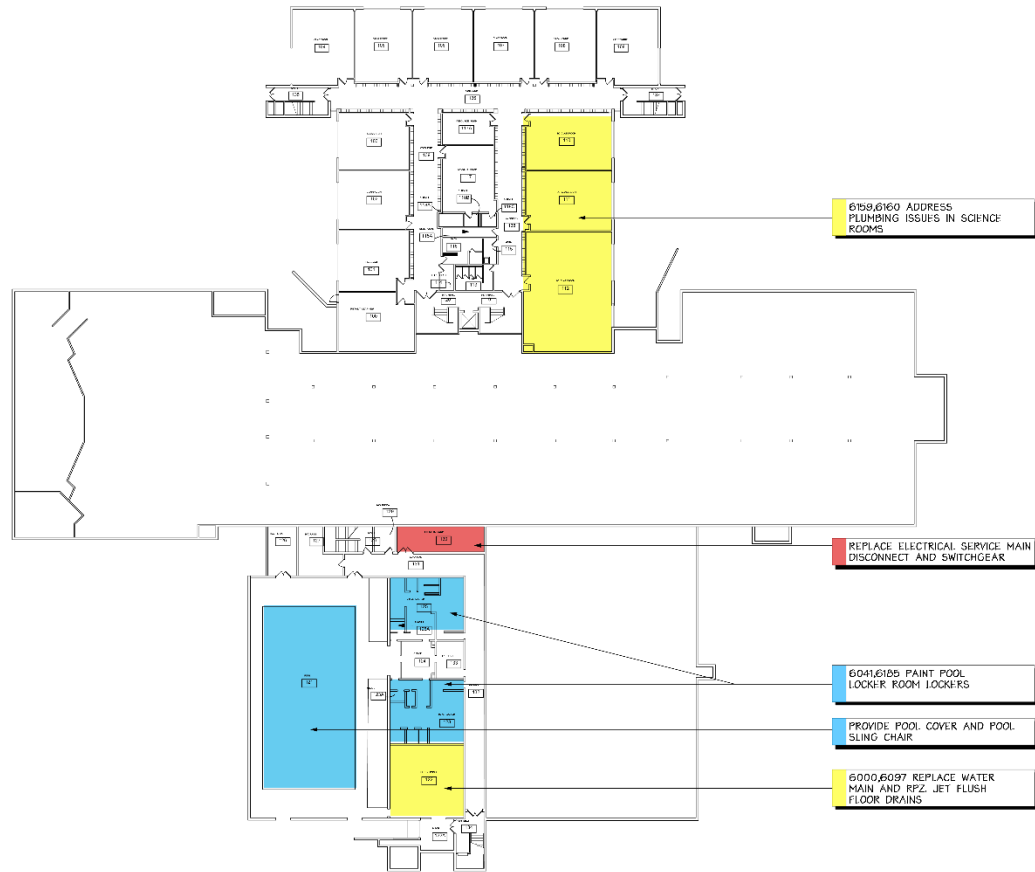
Lake Shore Middle School

DISCIPLINE COLOR KEY

- SITE WORK
- ARCHITECTURAL
- MECHANICAL
- PLUMBING
- ELECTRICAL
- FULL RENOVATION

GENERAL SCOPE NOTES

- 6079 GENERAL MASONRY REPAIR
- HVAC UPGRADES
- 6096 REPLACE ISOLATION VALVES
- 6143,6144 UPGRADE FIRE/ SMOKE/ CO DETECTION SYSTEM
- LIGHTING FIXTURE REPLACEMENT ALLOWANCE
- PROVIDE AIR CONDITIONING IN WIRING CLOSETS



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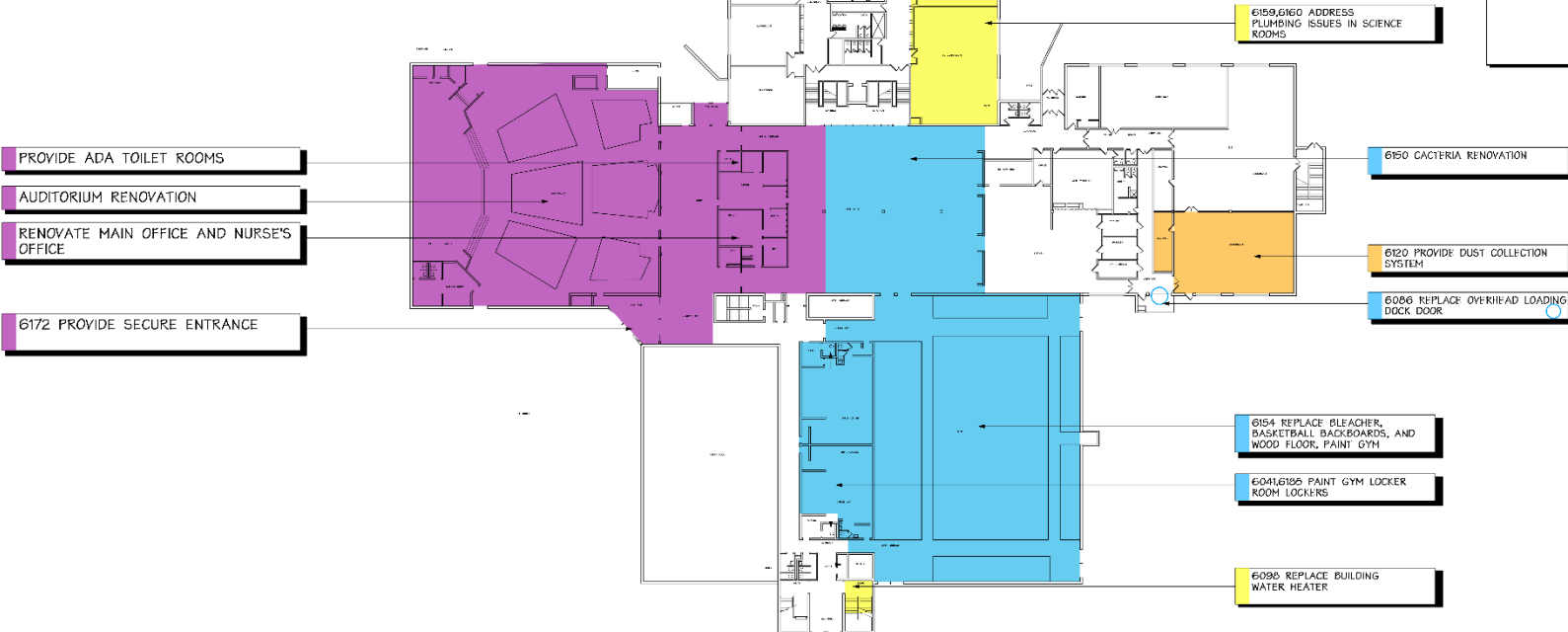
Lake Shore Middle School

DISCIPLINE COLOR KEY

- SITE WORK
- ARCHITECTURAL
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- ELECTRICAL
- FULL RENOVATION

GENERAL SCOPE NOTES

- 6079 GENERAL MASONRY REPAIR
- HVAC UPGRADES
- 6096 REPLACE ISOLATION VALVES
- 6143,6144 UPGRADE FIRE/ SMOKE/ CO DETECTION SYSTEM
- LIGHTING FIXTURE REPLACEMENT ALLOWANCE
- PROVIDE AIR CONDITIONING IN WIRING CLOSETS



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Lake Shore Middle School

DISCIPLINE COLOR KEY

Grey	SITE WORK
Light Blue	ARCHITECTURAL
Orange	MECHANICAL
Yellow	PLUMBING
Red	ELECTRICAL
Purple	FULL RENOVATION

GENERAL SCOPE NOTES

6079	GENERAL MASONRY REPAIR
	HVAC UPGRADES
6096	REPLACE ISOLATION VALVES
6143,6144	UPGRADE FIRE/ SMOKE/ CO DETECTION SYSTEM
	LIGHTING FIXTURE REPLACEMENT ALLOWANCE
	PROVIDE AIR CONDITIONING IN WIRING CLOSETS



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A. J. Schmidt Elementary

- Bus loop, parking lot, and sidewalk upgrades
- Provide a Secure Main Entrance
- Renovate Main Office and Nurse's Office
- Replace wall pads and basketball backboards in Gym
- Renovate Toilet Rooms to make ADA-compliant
- Renovate Library
- HVAC and plumbing upgrades



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A. J. Schmidt Elementary

DISCIPLINE COLOR KEY

Grey	SITE WORK
Blue	ARCHITECTURAL
Orange	MECHANICAL
Yellow	PLUMBING
Red	ELECTRICAL
Purple	FULL RENOVATION

GENERAL SCOPE NOTES

1071	GENERAL MASONRY AND FOUNDATION REPAIR.
1086	REPLACE ISOLATION VALVES.
1030	REPOINT, CUT CONTROL JOIN, PAINT INTERIOR MASONRY.

1009,1017,1018,1019,1022 PARKING LOT, DRIVEWAY, BUS LOOP, SIDEWALK, AND DRAINAGE IMPROVEMENTS.

1087 REMOVE 3 EXISTING SKYLIGHT AND INFILL



1070 REPAIR CRACKS AND HOLES PAINT EXTERIOR FINISH SYSTEM

1073,1084,1086 REPLACE EXTERIOR METAL TRIM AND REPAIR GUTTERS

1104,1105,1106,1108 REPLACE ROOFTOP EXHAUST FANS, PROVIDE NEW ATTIC EXHAUST FAN, REPLACE RELIEF HOODS

1009 REPLACE 7 CATCH BASINS

PROVIDE RAMP AT LOADING DOCK

1126 PROVIDE STANDBY EMERGENCY POWER BRANCH CIRCUITS TO KITCHEN.

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A. J. Schmidt Elementary

DISCIPLINE COLOR KEY

- SITE WORK
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- REFINISH WOOD STAGE FLOOR AND STAIRS
- 1031 REPLACE EXISTING CEILING TILES WITH NEW 2X2 ACT
- 1048 REPLACE PANELBOARDS, PROVIDE RECEPTACLES IN FACULTY BREAK ROOM
- 1124 REPLACE KITCHEN HOOD FIRE SUPPRESSION SYSTEM
- 1049 UPDATE ELECTRICAL SERVICE ENTRANCE EQUIPMENT AND UTILITY FEEDER FROM POLE MOUNTED TRANSFORMER
- 1080 REPLACE HOLLOW METAL DOOR AND FRAME
- 1000 REPLACE WATER MAIN AND PROVIDE RPZ
- 1117 REPLACE HOT WATER PUMPS
- 1099 REPLACE GAS FIRED BOILERS W/ HOT WATER NON-CONDENSING BOILERS NEW DUCTWORK, MODIFY PIPING

1055,1057,1058,1059,1060,1068,1069 FLOOR FINISH REPLACEMENTS:

1101 REPLACE DUCTLESS SPLIT UNITS IN MAIN OFFICE

1096,1128 RENOVATE NURSE'S OFFICE, PROVIDE ADA TOILET ROOM

1132 PAINT GYM WALLS, REPLACE WALL PADS AND BASKETBALL BACKBOARDS

RENOVATE FORMER LOCKERROOM INTO INSTRUCTIONAL SPACE

RENOVATE FACULTY TOILET ROOMS TO BE ADA COMPLIANT

1102 ADD DUCTLESS SPLIT UNIT TO IT CLOSET

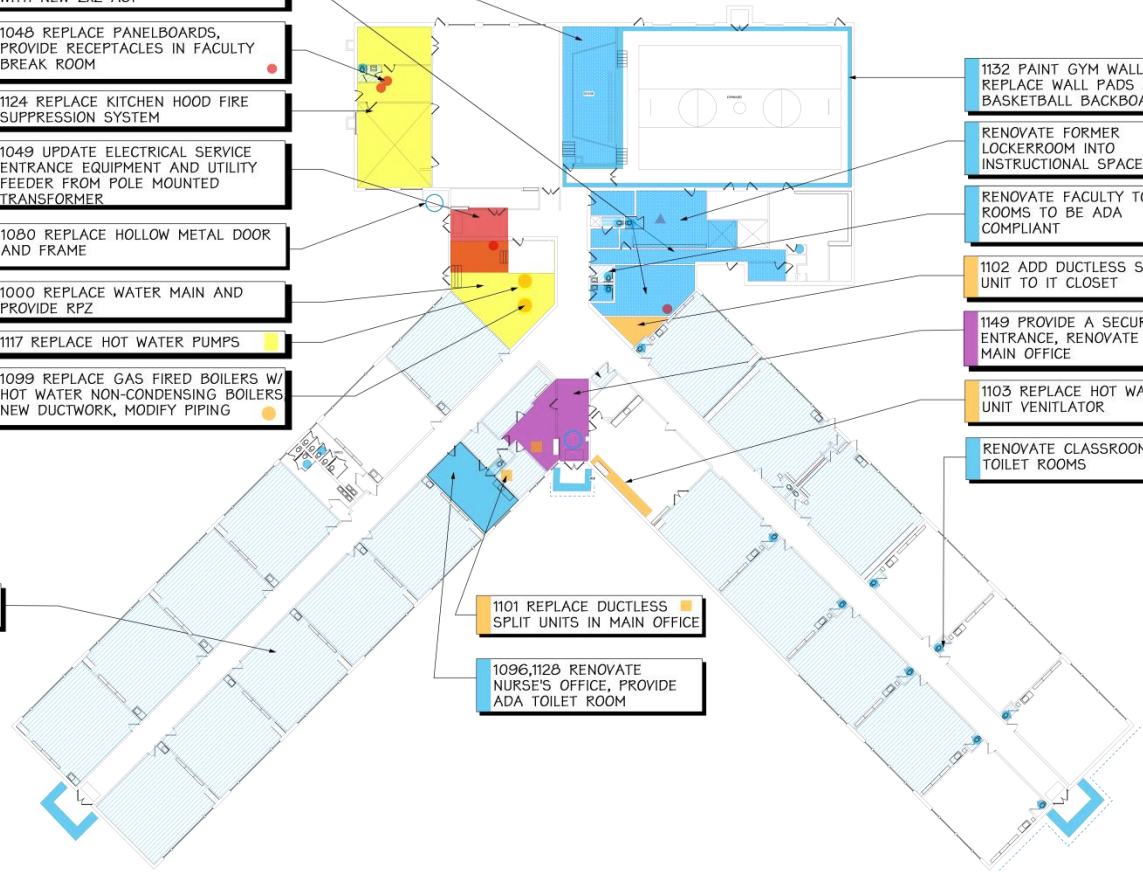
1149 PROVIDE A SECURE ENTRANCE, RENOVATE MAIN OFFICE

1103 REPLACE HOT WATER UNIT VENTILATOR

RENOVATE CLASSROOM TOILET ROOMS

GENERAL SCOPE NOTES

- 1068,1069 PROVIDE NEW EXPANSION JOINTS
- GENERAL MASONRY AND FOUNDATION REPAIRS.
- 1086 REPLACE ISOLATION VALVES
- 1030 REPOINT, CUT CONTROL JOIN, PAINT INTERIOR MASONRY
- RETROFIT WHITE BOARDS OVER CHALK BOARDS.
- FULL RENOVATION OF FACULTY TOILET ROOMS AND MAKE ADA ACCESSIBLE
- RENOVATE FORMER LOCKER ROOM INTO TEACHING STATION
- 1122,1125 UPGRADE FIRE/CO/SMOKE DETECTION SYSTEMS
- 1050 LIGHTING FIXTURE REPLACEMENT ALLOWANCE



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Highland Elementary

- Bus loop, parking lot, and sidewalk upgrades
- Provide a Secure Main Entrance
- Renovate Main Office and Nurse's Office
- Replace wall pads and basketball backboards, and refinish wood floor in Gym
- Renovate Toilet Rooms to make ADA-compliant
- Partial roof replacement
- HVAC and electrical upgrades



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Highland Elementary

DISCIPLINE COLOR KEY

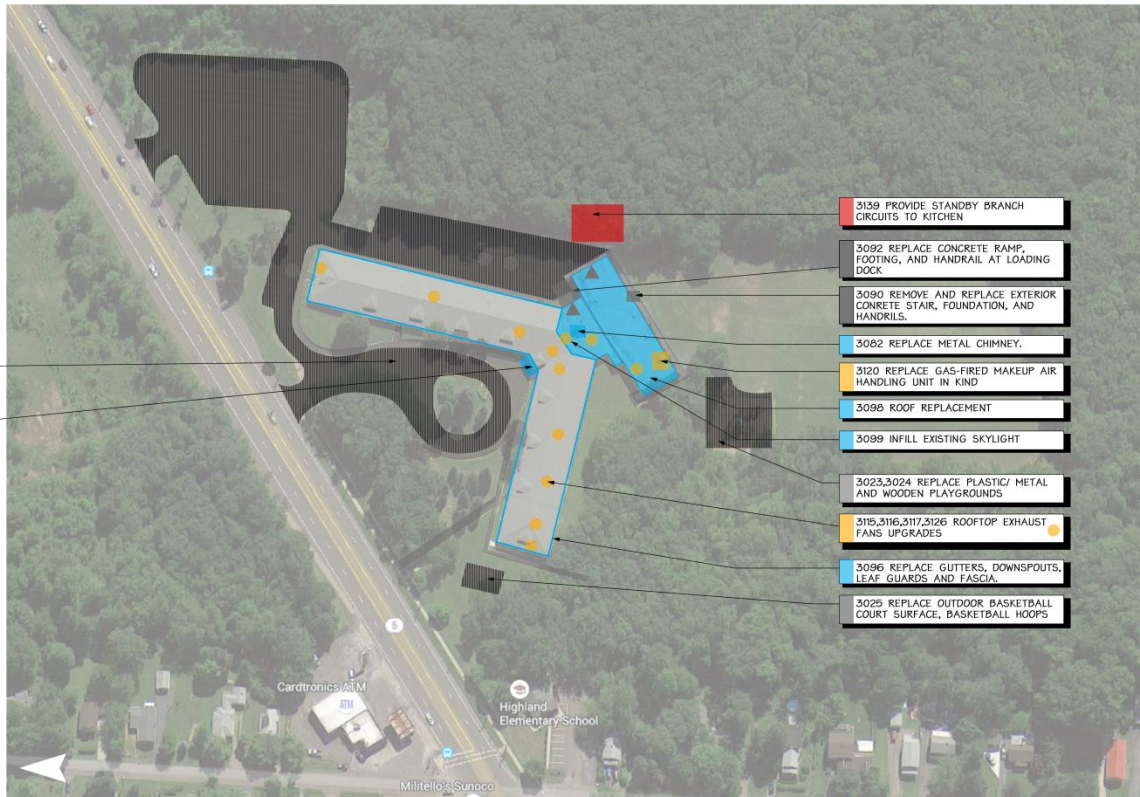
- SITE WORK
- ARCHITECTURAL
- MECHANICAL
- PLUMBING
- ELECTRICAL
- FULL RENOVATION

GENERAL SCOPE NOTES

- 3029
- 3076 GENERAL MASONRY AND FOUNDATION REPAIRS.
- 3079

3009,3010,3017,3018,3019,3020, 3021,3022,3091 PARKING LOT, DRIVEWAY, BUS LOOP, SIDEWALK AND DRAINAGE IMPROVEMENT.

3081 REGROUT EXTERIOR CANOPY COLUMNS AND REPAINT STEEL.



3139 PROVIDE STANDBY BRANCH CIRCUITS TO KITCHEN

3092 REPLACE CONCRETE RAMP, FOOTING, AND HANDRAIL AT LOADING DOCK

3090 REMOVE AND REPLACE EXTERIOR CONCRETE STAIR, FOUNDATION, AND HANDRLIS.

3082 REPLACE METAL CHIMNEY.

3120 REPLACE GAS-FIRED MAKEUP AIR HANDLING UNIT IN KIND

3098 ROOF REPLACEMENT

3099 INFILL EXISTING SKYLIGHT

3023,3024 REPLACE PLASTIC/ METAL AND WOODEN PLAYGROUNDS

3115,3116,3117,3126 ROOFTOP EXHAUST FANS UPGRADES

3096 REPLACE GUTTERS, DOWNSPOUTS, LEAF GUARDS AND FASCIA.

3025 REPLACE OUTDOOR BASKETBALL COURT SURFACE, BASKETBALL HOOPS

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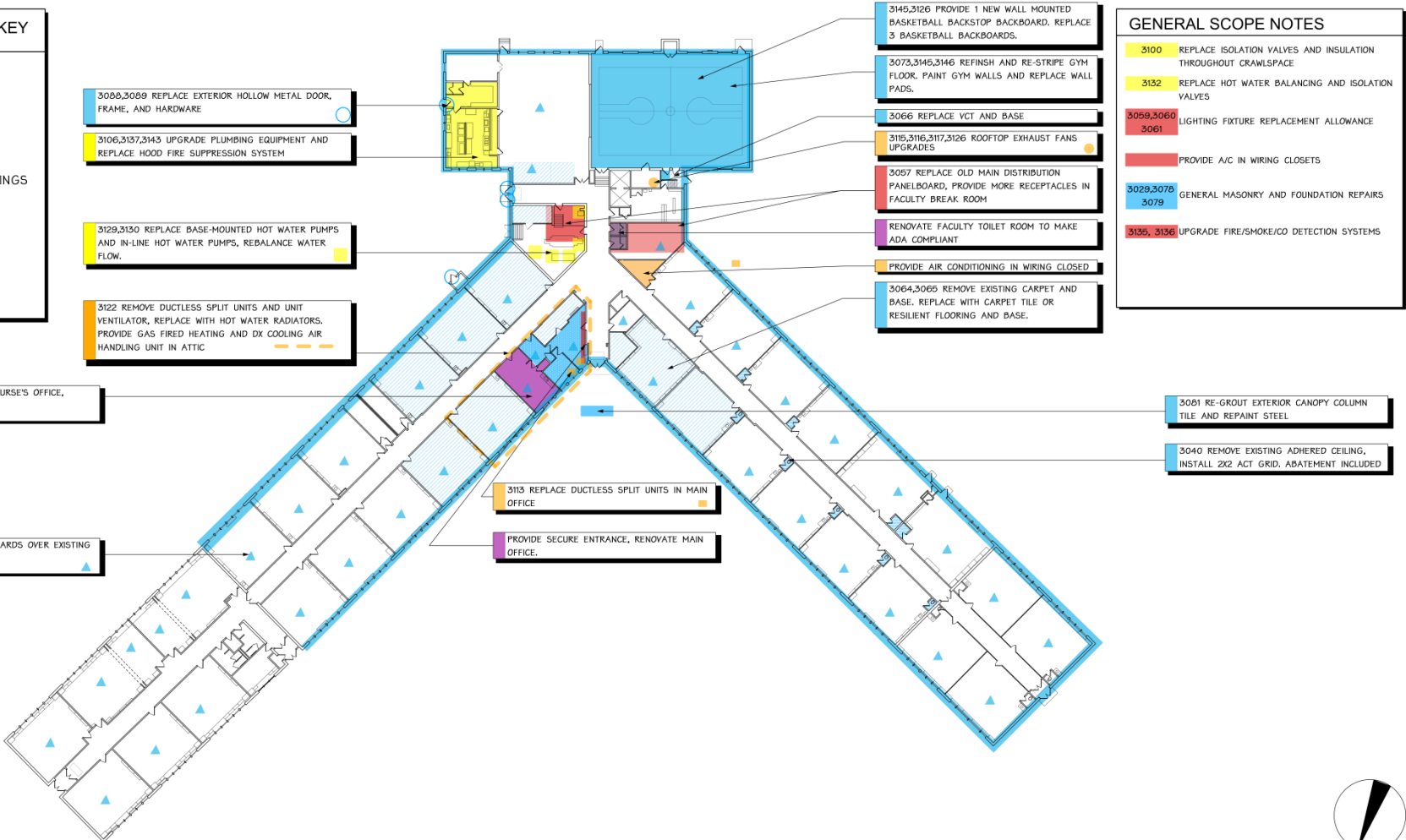




Highland Elementary

DISCIPLINE COLOR KEY

- SITE WORK
- ARCHITECTURAL
- FLOORS
- CEILINGS
- FLOORS AND CEILINGS
- MECHANICAL
- PLUMBING
- ELECTRICAL
- FULL RENOVATION



GENERAL SCOPE NOTES

- 3100** REPLACE ISOLATION VALVES AND INSULATION THROUGHOUT CRAWLSPACE
- 3132** REPLACE HOT WATER BALANCING AND ISOLATION VALVES
- 3059,3060, 3061** LIGHTING FIXTURE REPLACEMENT ALLOWANCE
- PROVIDE A/C IN WIRING CLOSETS
- 3029,3078, 3079** GENERAL MASONRY AND FOUNDATION REPAIRS
- 3125, 3136** UPGRADE FIRE/SMOKE/CO DETECTION SYSTEMS

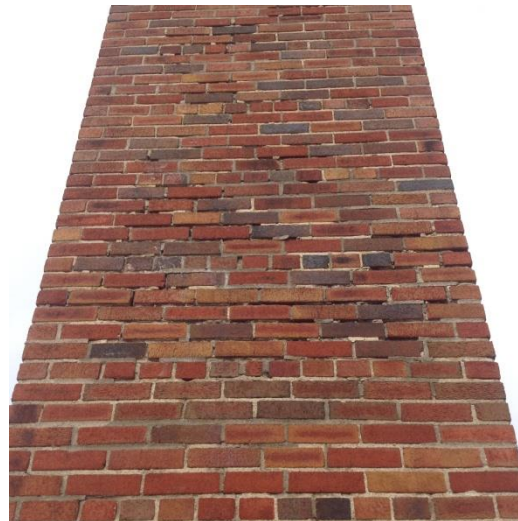
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John T. Waugh Elementary

- Bus loop, parking lot, and sidewalk upgrades
- Provide a Secure Main Entrance
- Renovate Main Office
- Replace wall pads and basketball backboards in Gym
- Provide air conditioning in 2nd floor classrooms
- Masonry restoration
- HVAC and electrical upgrades



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John T. Waugh Elementary

DISCIPLINE COLOR KEY

■	SITE WORK
■	ARCHITECTURAL
■	MECHANICAL
■	PLUMBING
■	ELECTRICAL
■	FULL RENOVATION

GENERAL SCOPE NOTES

5100 REPAIR AREAS OF EXISTING BUILT UP ROOFING, AS NECESSARY



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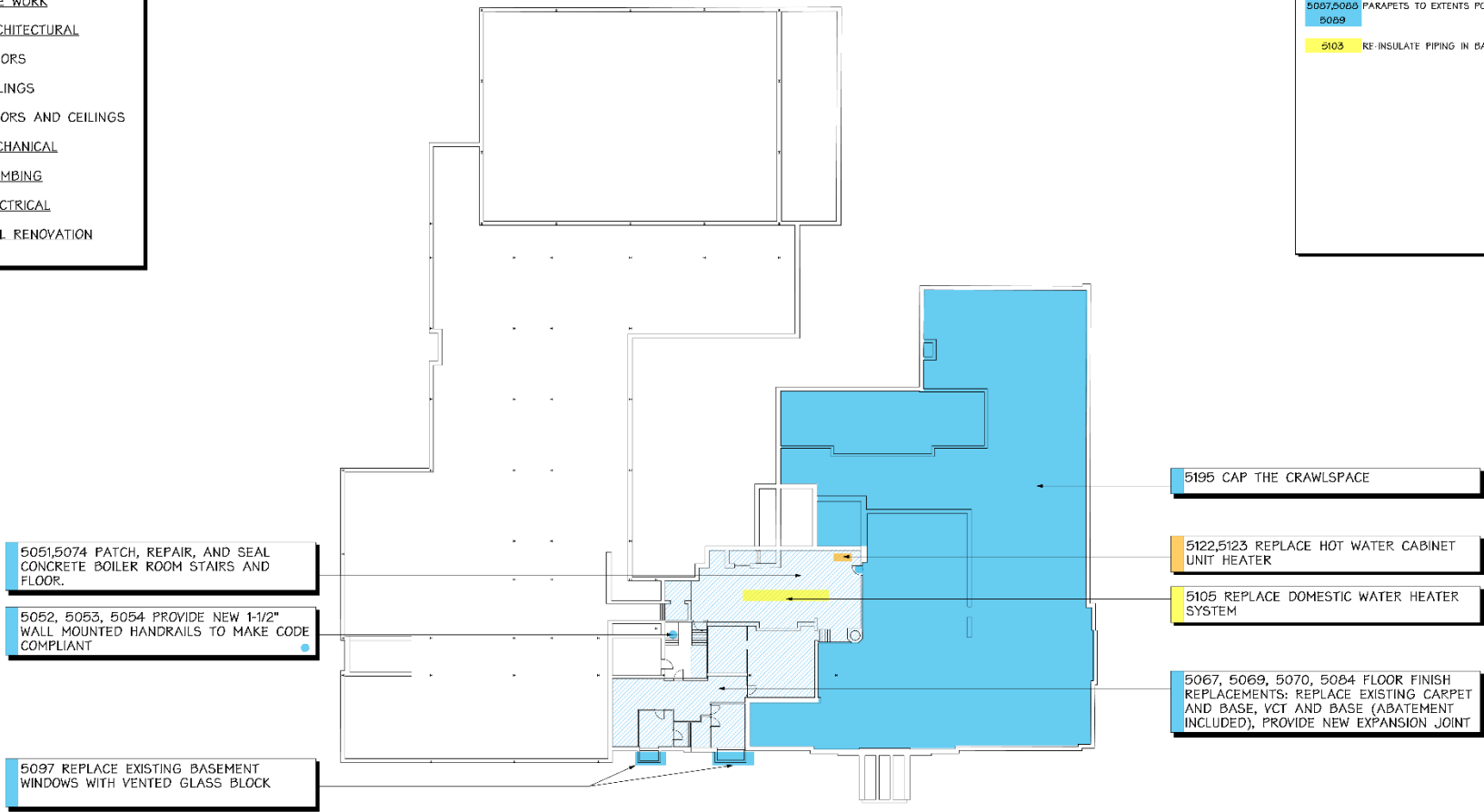
John T. Waugh Elementary

DISCIPLINE COLOR KEY

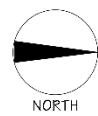
■	SITE WORK
■	ARCHITECTURAL
▨	FLOORS
▨	CEILINGS
■	FLOORS AND CEILINGS
■	MECHANICAL
■	PLUMBING
■	ELECTRICAL
■	FULL RENOVATION

GENERAL SCOPE NOTES

5050,5051	GENERAL MASONRY REPAIR, REPAIR EXPOSED
5055,5056	CONCRETE SURFACES, REPOINT CHIMNEY AND
5057,5058	PARAPETS TO EXTENTS POSSIBLE BY ALLOWANCE
5059	
5103	RE-INSULATE PIPING IN BASEMENT



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John T. Waugh Elementary

DISCIPLINE COLOR KEY

■	SITE WORK
■	ARCHITECTURAL
▨	FLOORS
▨	CEILINGS
▨	FLOORS AND CEILINGS
■	MECHANICAL
■	PLUMBING
■	ELECTRICAL
■	FULL RENOVATION

5163 REPLACE GYM WALL PADS, PAINT WALLS, REPLACE BASKETBALL BACKBOARDS, HOOPS, PROVIDE SAFETY STRAPS

5136, 5137 REPLACE ROOFTOP HOT WATER AIR HANDLING UNITS AND ASSOCIATED EQUIPMENT

5106 INSTALL 2 NEW SINKS

5122, 5123 REPLACE HOT WATER CABINET UNIT HEATER

5062, 5063 REPLACE EXISTING LIGHT FIXTURES WITH MORE EFFICIENT LED TYPE LIGHT FIXTURES WITH AUTOMATIC CONTROLS IN RENOVATED SPACES

5060 REPLACE EXISTING LIGHT FIXTURE WITH MORE EFFICIENT LED TYPE FIXTURES WITH AUTOMATIC CONTROLS (CORRIDORS)

5193, 5184 RENOVATION OF EXISTING MAIN OFFICE, HALLWAYS, AND MAIN ENTRANCE TO CREATE A SECURE ENTRANCE. PROVIDE PLASTIC LAMINATE BASE CABINETS IN FACULTY BREAK ROOM. MAINTAIN HISTORIC APPEARANCE

5094 REMOVE EXISTING CONCRETE STAIRS, FOUNDATIONS, FROST WALL AND LANDING. FORM, REINFORCE, POUR NEW PORTION OF FOUNDATION WALLS, INCLUDING EARTH WORK



5091, 5092 REPLACE 14 EXTERIOR FRP DOOR AND HOLLOW METAL DOORS, FRAME AND HARDWARE. TYP. 14

5140 REPLACE UNIT VENTILATORS IN ORIGINAL BUILDING

5067, 5069, 5070, 5084 FLOOR FINISH REPLACEMENTS: REPLACE EXISTING CARPET AND BASE, VCT AND BASE (ABATEMENT INCLUDED), PROVIDE NEW EXPANSION JOINT

REMOVE FLOOR FINISHES DOWN TO SUB FLOOR. ABATEMENT NOT INCLUDED. PERP AND LEVEL FOR NEW FLOORING. PROVIDE NEW VCT AND BASE

5052, 5053, 5054 PROVIDE NEW 1-1/2" WALL MOUNTED HANDRAILS TO MAKE CODE COMPLIANT

5057 REPLACE EXISTING FRANK ADAMS PANELBOARDS

5043 REMOVE/PROVIDE AND REPAIR PLASTER CEILING AT ROOF ACCESS

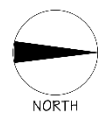
5138 PROVIDE CABINET UNIT HEATERS/BLOWER COIL UNITS FOR OFFICES

5030, 5031, 5085, 5086, 5087, 5088, 5089 GENERAL MASONRY REPAIR, REPAIR EXPOSED CONCRETE SURFACES, REPOINT CHIMNEY AND PARAPETS TO EXTENTS POSSIBLE BY ALLOWANCE

GENERAL SCOPE NOTES

5030, 5031	GENERAL MASONRY REPAIR, REPAIR EXPOSED CONCRETE SURFACES, REPOINT CHIMNEY AND PARAPETS TO EXTENTS POSSIBLE BY ALLOWANCE
5089	
5023, 5034	PATCH, REPAIR, FINISH PLASTER WALLS IN CORRIDORS
	PROVIDE A/C IN WIRING CLOSETS
	UPGRADE THE ELEVATOR WITH INFRARED ENTRY MECHANICS
	REMOVE 2 FOLDING PARTITION WALLS BETWEEN CLASSROOMS. INSTALL NEW METAL STUD/ DRYWALL WALLS
	DIVIDE 3 LARGE CLASSROOMS INTO SMALLER INSTRUCTIONAL SPACES

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John T. Waugh Elementary

DISCIPLINE COLOR KEY

- SITE WORK
- ARCHITECTURAL
- FLOORS
- CEILINGS
- FLOORS AND CEILINGS
- MECHANICAL
- PLUMBING
- ELECTRICAL
- FULL RENOVATION

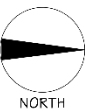
GENERAL SCOPE NOTES

- 5141 RETROFIT MARKERBOARDS OVER CHALKBOARDS
- PROVIDE A/C IN WIRING CLOSETS
- UPGRADE THE ELEVATOR WITH INFRARED ENTRY MECHANICS
- PROVIDE A/C IN SECOND FLOOR CLASSROOMS

5136, 5137 REPLACE ROOFTOP HOT WATER AIR HANDLING UNITS AND ASSOCIATED EQUIPMENT



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William T. Hoag Educational Center

- Bus loop, parking lot, and sidewalk upgrades
- Provide a Secure Main Entrance
- Replace wall pads in Gym
- Renovate Toilet Rooms to make ADA-compliant
- Provide air conditioning in all Offices
- Masonry restoration
- HVAC and plumbing upgrades



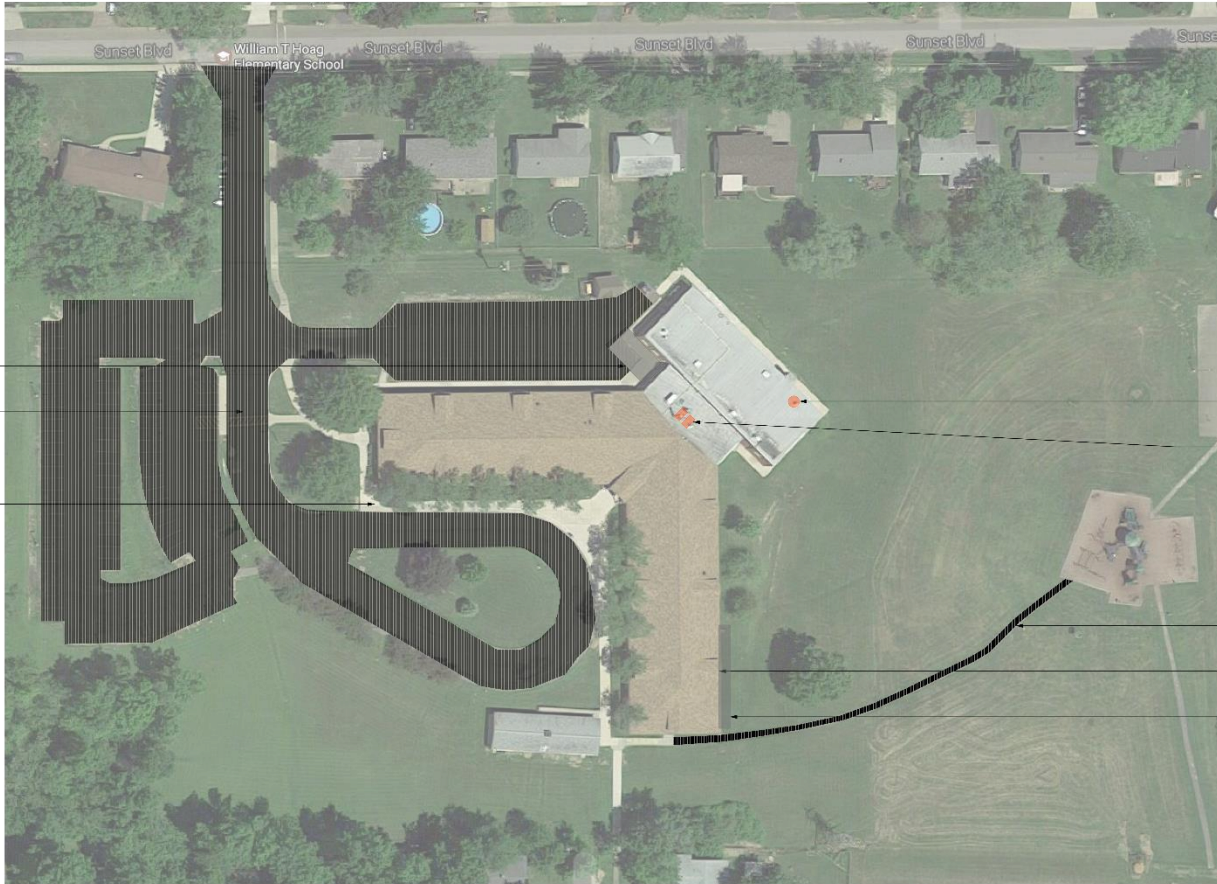
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William T. Hoag Educational Center

DISCIPLINE COLOR KEY

Grey	SITE WORK
Blue	ARCHITECTURAL
Orange	MECHANICAL
Yellow	PLUMBING
Red	ELECTRICAL
Purple	FULL RENOVATION



- PROVIDE CONCRETE RAMP AT LOADING DOCK AREA
- 8016,8017 PARKING LOT & DRIVEWAY UPGRADES, IMPROVE DRAINAGE
- 8019 REPLACE CONCRETE SIDEWALKS & PROVIDE CURBS

- 8091 REPLACE EXHAUST FAN, CURBS, & CONTROLS
- 8087 REPLACE 2 AIR COOLED CONDENSING UNITS/PIPING/VENTILATION

- 8018 REPLACE ASPHALT SIDEWALKS W/ CONCRETE SIDEWALKS & PROVIDE CURBS
- 8070 SECURE EAVES/GABLES & REPAIR GUTTERS
- PROVIDE CONCRETE SIDEWALK OUTSIDE CLASSROOMS 101 & 103

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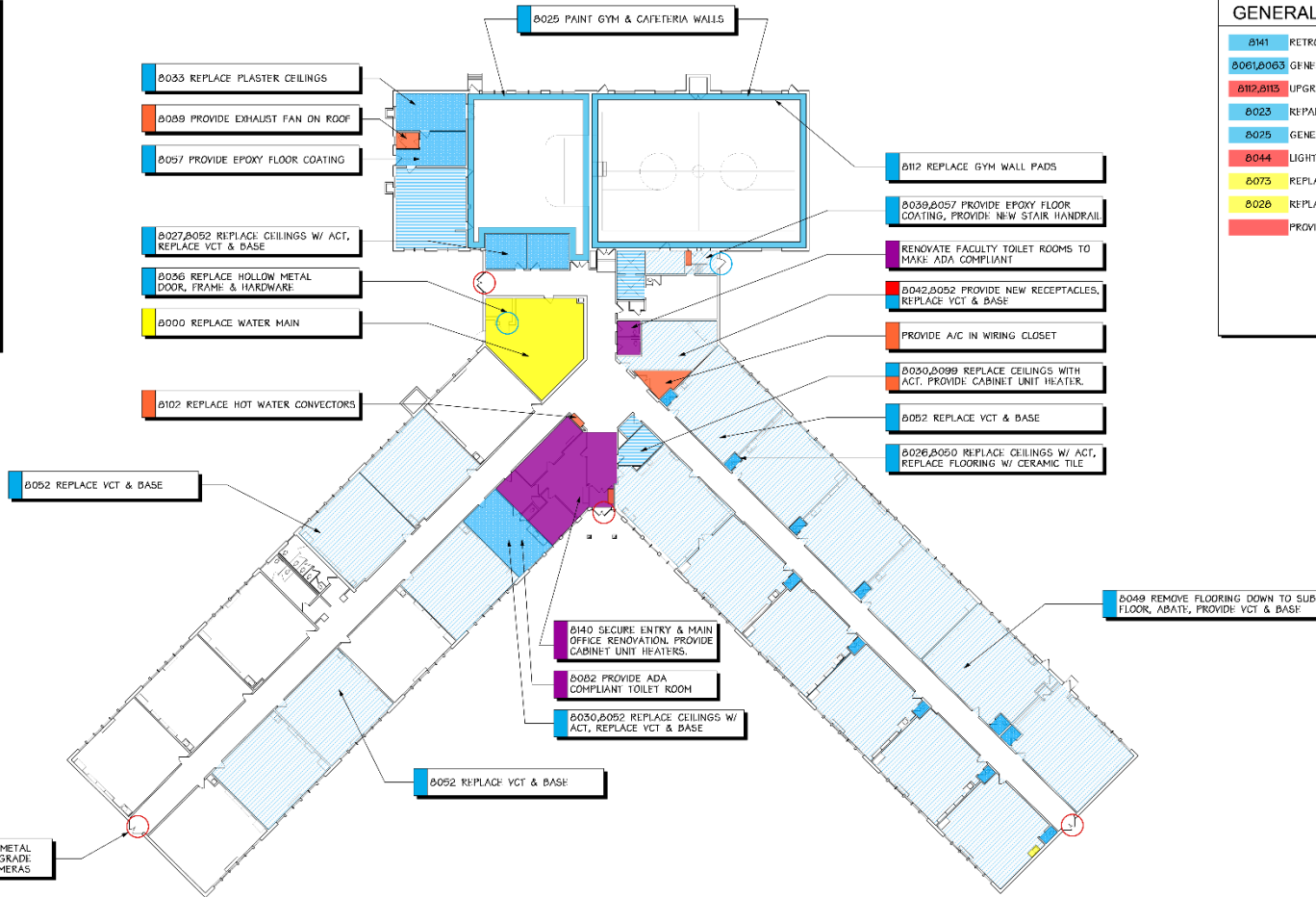
William T. Hoag Educational Center

DISCIPLINE COLOR KEY

- SITE WORK
- ARCHITECTURAL
- FLOORS
- CEILINGS
- FLOORS AND CEILINGS
- MECHANICAL
- PLUMBING
- ELECTRICAL
- FULL RENOVATION

GENERAL SCOPE NOTES

- 0141 RETROFIT MARKERBOARDS OVER CHALKBOARDS
- 0061,0063 GENERAL EXTERIOR MASONRY/CHIMNEY REPAIRS
- 0112,0115 UPGRADE FIRE/SMOKE/CO DETECTION SYSTEMS
- 0023 REPAIR EXPOSED FOUNDATION CONCRETE
- 0025 GENERAL INTERIOR MASONRY REPAIR & PAINTING
- 0044 LIGHT FIXTURE REPLACEMENT ALLOWANCE
- 0073 REPLACE ISOLATION VALVES
- 0026 REPLACE DAMAGED ACT IN CORRIDORS
- PROVIDE AIR CONDITIONING IN OFFICES



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District Transportation Center

- Parking lot and sidewalk upgrades
- Renovate Driver's Break Room and Toilet Rooms
- Overhead door replacement
- Partial roof replacement
- Replace Bus Lifts
- Masonry restoration
- Replace Emergency Generator
- Masonry restoration
- HVAC and plumbing upgrades



Preserving & Enhancing & Securing



District Transportation Center

DISCIPLINE COLOR KEY

- SITE WORK
- ARCHITECTURAL
- ▨ FLOORS
- ▨ CEILINGS
- FLOORS AND CEILINGS
- MECHANICAL
- PLUMBING
- ELECTRICAL
- FULL RENOVATION



GENERAL SCOPE NOTES

INSTALL 6' FENCE BETWEEN MAINTENANCE BUILDINGS AND BASEBALL OUTFIELD. REMOVE EXISTING FENCE AND PROVIDE NEW 10' FENCE AT THE SOUTH PROPERTY LINE.

2093,2094,2095,2096,2098,2100
 REPLACE ELECTRIC BASEBOARD HEATER, HOT WATER HEATER, ELECTRIC UNIT HEATER, GAS-FIRED HEATING AND COOLING UNITS

2050,2058,2061,2062,2063,2064
 GENERAL MASONRY REPAIR INCLUDING CHIMNEY AND CAP REPLACEMENT

2090 REMOVE FOAM ROOFING DOWN TO DECK, INSTALL NEW EPDM ROOFING SYSTEM, INSULATION, COPING

2016 REMOVE AND REPLACE EXISTING ASPHALT/CONCRETE SIDEWALKS AND REPLACE WITH CONCRETE SIDEWALKS, PROVIDE NEW CURBS, PROVIDE MORE ASPHALT PAVEMENT FOR ADDITIONAL PARKING AND MORE TURN AROUND SPACE.

2027,2028 REPLACE ACI AND GRID IN 1ST AND 2ND FLOOR OFFICE/ BREAK ROOM SPACE

2048,2049,2050,2051,2052 UPGRADE FLOOR FINISHES- CARPET, VCT, BASE, ABATEMENT, SEALING CONCRETE

2110 PROVIDE FULLY DUCTED UNIT VENTILATOR WITH ROOFTOP AIR COOLED CONDENSING UNIT

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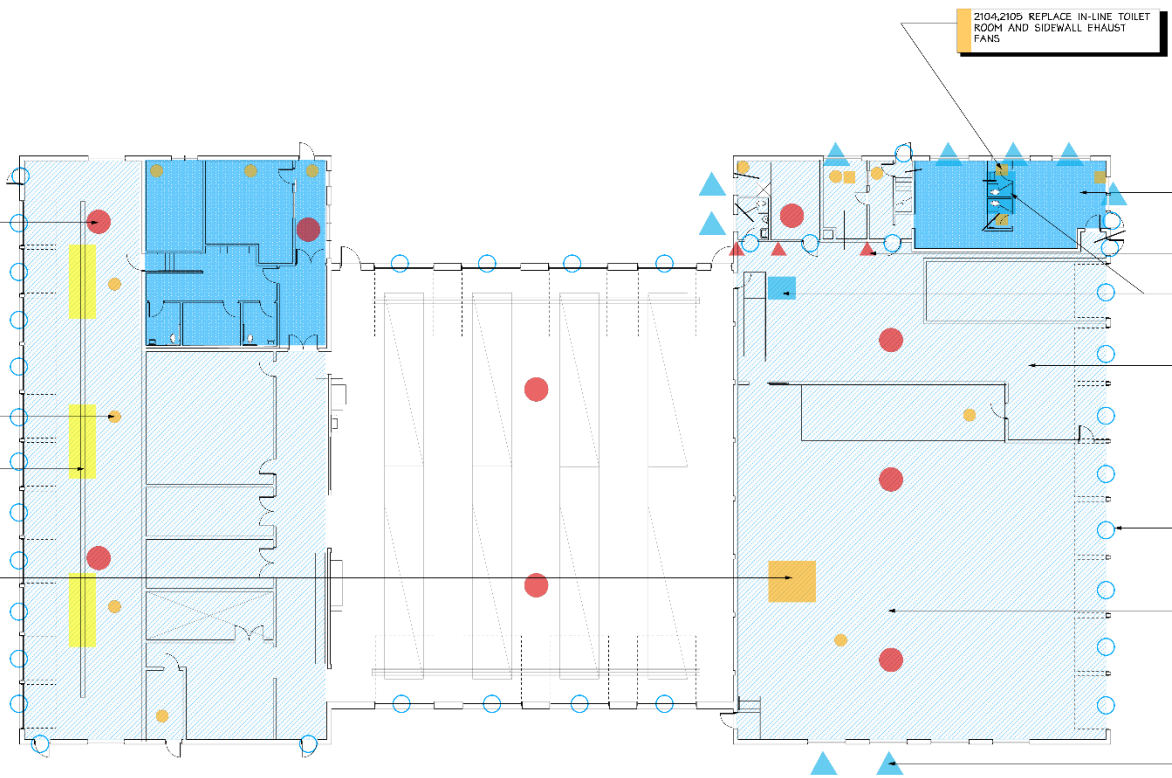
District Transportation Center

DISCIPLINE COLOR KEY

Grey	SITE WORK
Light Blue	ARCHITECTURAL
Blue Hatched	FLOORS
Blue Striped	CEILINGS
Blue	FLOORS AND CEILINGS
Orange	MECHANICAL
Yellow	PLUMBING
Red	ELECTRICAL
Purple	FULL RENOVATION

GENERAL SCOPE NOTES

Purple	RENOVATE BUS DRIVERS BREAK ROOM AND TOILET ROOMS
Orange	2116 UPGRADE CONTROLS TO CENTRALIZED DIRECT DIGITAL SYSTEM
Yellow	2111,2112,2114 REPLACE HOT WATER CONVECTOR, RADITORS AND PIPING INSULATION
Red	2121 PROVIDE EMERGENCY GENERATOR SET WITH ATS TO HAVE SEGREGATED EM AND STANDBY LOADS



2119 PROVIDE CARBON MONOXIDE DETECTION IN WORK BAYS AND OTHER AREAS WITH GAS-FIRED EQUIPMENT

2093,2094,2095,2096,2098,2100 REPLACE ELECTRIC BASEBOARD HEATER, HOT WATER HEATER, ELECTRIC UNIT HEATER, GAS-FIRED HEATING AND COOLING UNITS

2056 REPLACE PORTIONS OF METAL TRENCH DRAIN GATES

2102 REPLACE DUST COLLECTION SYSTEM IN CARPENTRY SHOP WITH AN OUTDOOR UNIT.

2104,2105 REPLACE IN-LINE TOILET ROOM AND SIDEWALL EXHAUST FANS

2027,2028 REPLACE ACT AND GRID IN 1ST AND 2ND FLOOR OFFICE/ BREAK ROOM SPACE

2056 REPLACE REMAINING ORIGINAL PANELBOARDS

2085,2087 REPLACE EMERGENCY EYE WASH AND LABATORY

2048,2049,2050,2051,2052 UPGRADE FLOOR FINISHES: CARPET, VCT, BASE, ABATEMENT, SEALING CONCRETE

2036,2067,2068,2070,2071 REPLACE FIRE DOORS, INTERIOR WOOD DOORS AND HARDWARE, REPLACE OVERHEAD DOORS AND SAFETY DEVICES

2095 REPLACE CONCRETE FLOOR SLAB AT EAST GARAGE BAY

2074,2077 REPLACE EXISTING WINDOWS WITH NEW ALUMINUM WINDOWS WITH INSULATED GLAZING

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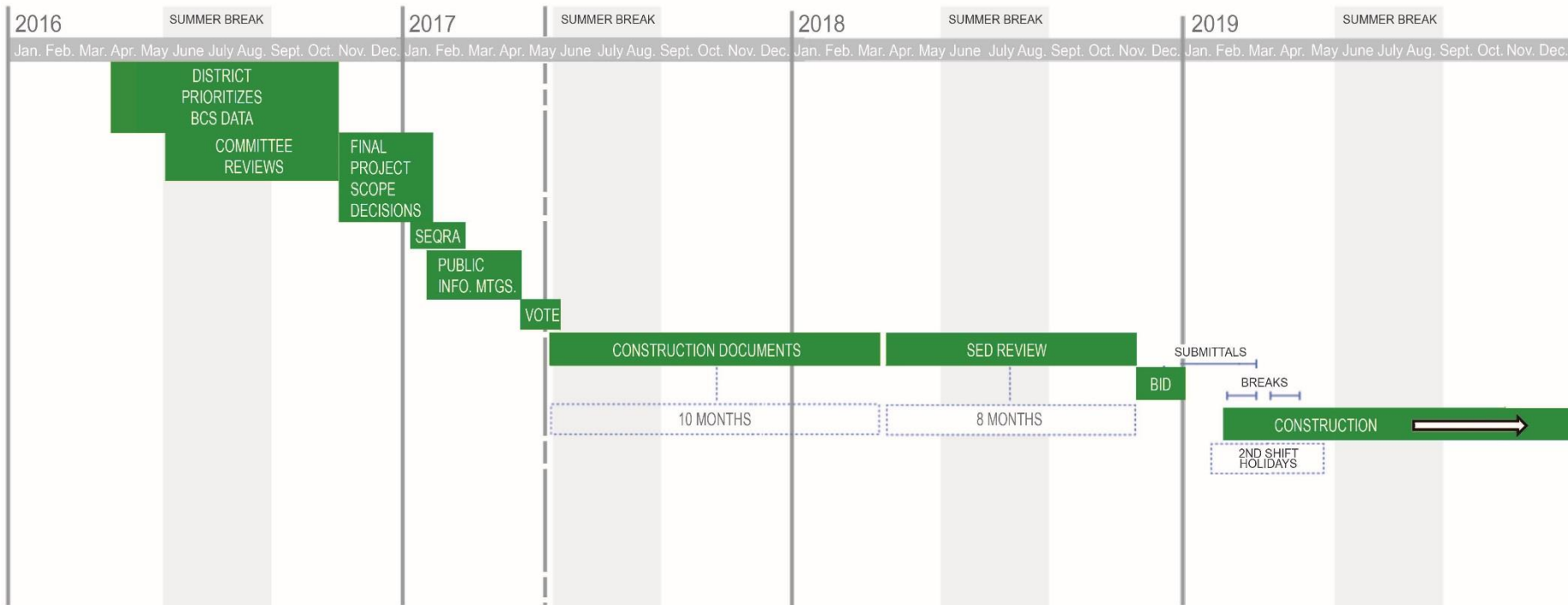




Project Schedule

Lake Shore CSD - Proposed Capital Project Schedule

(May 2017 Vote)



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Next Steps

- January 17, 2017
 - Approve Start of SEQR
- February 28, 2017
 - Project Update
- April 18, 2017
 - Public Information Presentation Before Vote
- May 16, 2017
 - Public Referendum



QUESTIONS?

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