



*Iroquois Central School District*

# 2020 Capital Improvement Project

*September 23, 2020*

- Capital Project Planning Process
- Project Focus Areas
- Scope of Work
- Potential Timeline
- Financing Plan
- Vote Information

# Agenda

*Iroquois Central School District*

- **Community recommendations**
- **Assembled project planning team**
- **Building Condition Survey**
  - Identified, organized and prioritized needs
  - Estimated costs of identified items
- **Community discussion**
- **Evaluated "wants" vs. "needs"**
  - Identified **Project Focus** areas
  - Researched various options
  - Weighed costs vs. benefits
  - Continued feedback from community and administration
- **Project financing goal: *No Tax Impact!***



# Capital Project Planning Process

*Iroquois Central School District*



District Educational Programs



Health, Safety & Accessibility



Mandatory Code Requirements



Site Reconstruction



Building Reconstruction

# Project Focus

*Iroquois Central School District*



# District-Wide Improvements

- Replace public address system and clocks
- Install blue light emergency notification system



# Elma Primary

- Replace public address system and clocks
- Install blue light emergency notification system
- Parking lot expansion including asphalt paving, sidewalks, curbing, site lighting, and storm drainage
- Install air-conditioning in cafeteria





# Marilla Primary

- Replace public address system and clocks
- Install blue light emergency notification system
- Hot water heater replacement and new recirculation piping
- Install air-conditioning in cafeteria
- Renovations in the kitchen/cafeteria fire safety wall
- Existing parking lot reconstruction work including asphalt paving, sidewalks, curbing, site lighting, and storm drainage
- Installation of solar panels on the roof





# Marilla Primary Solar Panels



**PV SYSTEM SUMMARY**

TOTAL STC DC SYSTEM SIZE	231.12 kW
SOLAR MODULE MODEL	CANADIAN SOLAR DC
SOLAR MODULE STC DC RATING	360 W
SOLAR MODULE INFO	78.7" x 39.1" x 1.57", 49.8lbs
SOLAR MODULE COUNT	642
RACKING SYSTEM	DYNORAXX EVOLUTION FR
PITCH OF ARRAY	10°
INVERTER MODEL	1 x SE20KUS, 1 x SE30KUS, 4 x SE33.3KUS w/ 321 x SE P800p DC OP
ARRAY AZIMUTH	148°, 178°
EAVE HEIGHT	12', 18', 22'
INTERCONNECTION VOLTAGE	TBD

**LEGEND**

- UNSHADED SOLAR MODULE
- SHADED SOLAR MODULE
- MIXED ORIENTATION SOLAR MODULE
- INVERTER
- EASY TO READ METER
- AC COMBINER BOX
- UTILITY METER
- MAIN BREAKER PANEL
- ELECTRICAL TRENCH
- VENTING AND PATHWAYS
- GROUND ACCESS AREA

**2 PV SYSTEM OVERVIEW**  
Scale: N.T.S.



**General Notes**

THE INSTALLATION OF PV SYSTEM SHALL BE IN ACCORDANCE WITH THE MOST RECENT NATIONAL ELECTRIC AND BUILDING CODES AND STANDARDS, AS AMENDED BY JURISDICTION

ELECTRICAL STAMP AREA

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Rev	Revision/Issue	Date
0	Original Site Plan	11/06/19

**SOLARLIBERTY**  
THE FUTURE OF ENERGY INDEPENDENCE

6500 Sheridan Drive  
Suite 120  
Buffalo, NY 14221  
866-80-RENEW

**NABCEP CERTIFIED**  
PV Installation Professional

**Project Name and Address**

Marilla Primary School  
11683 Bullis Rd  
Marilla, NY 14102

Drawn By CR	Checked By CP
Date 11/06/2019	Date 11/06/2019
Scale AS NOTED	Sheet PV-S1



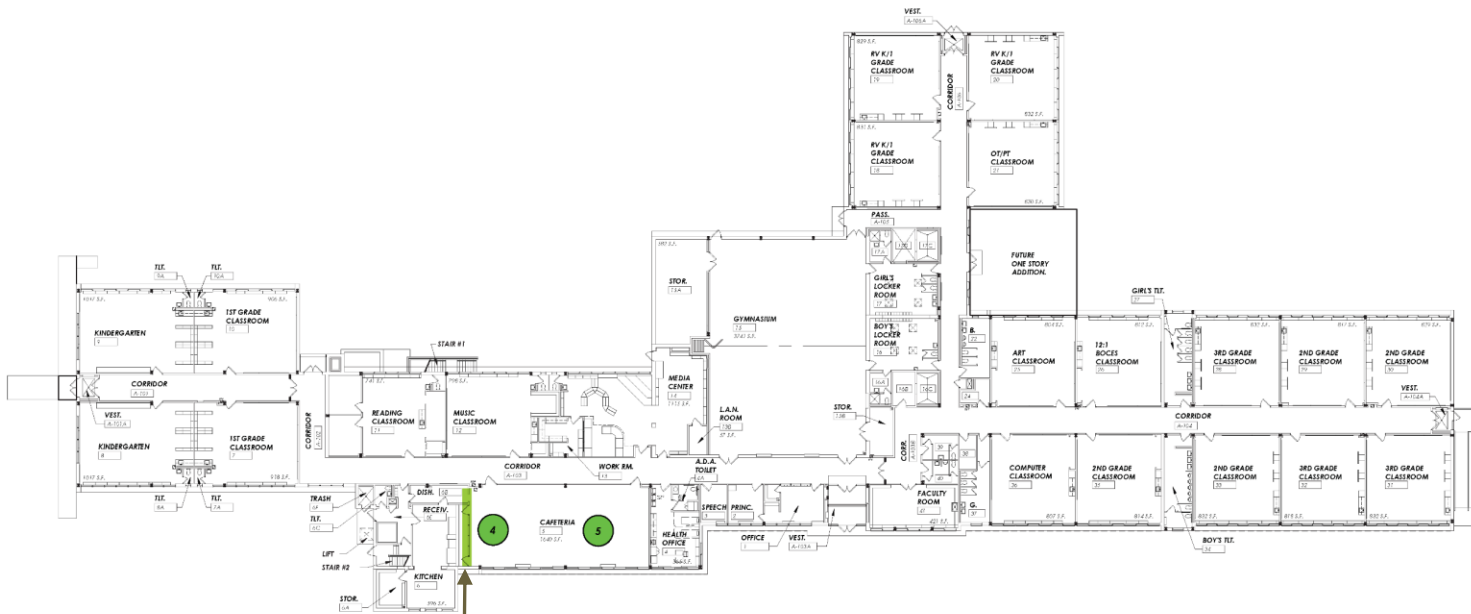
# Wales Primary

- Replace public address system and clocks
- Install blue light emergency notification system
- Hot water heater replacement and new recirculation piping
- Install air-conditioning in cafeteria
- Renovations in the kitchen/cafeteria fire safety wall
- Replace gas piping to existing emergency generator

# Wales Primary

# First Floor

- Renovation Items:**
- 1 Replace hot water heater
  - 2 Replace hot water recirculation piping.
  - 3 Replace natural gas piping to existing emergency generator.
  - 4 Reconstruct Kitchen/Cafeteria glass wall.
  - 5 Cafeteria A/C System (No ductwork modifications of existing system).
  - 6 Replace P/A System.
  - 7 Blue Light System.



Fire Safety Wall

**PROPOSED OVERALL  
FIRST FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

GORDON W. JONES ASSOCIATES  
ARCHITECTS P.C.  
210 MAIN STREET 30 EAST SUITE 101  
WWW.GWJARCHITECTS.COM

**IROQUOIS CENTRAL  
SCHOOL DISTRICT**  
2111 GIRLE ROAD, ELMA NY 14059

**WALES PRIMARY**  
4630 WOODCHUCK ROAD, EAST AURORA, NY 14052

PROJECT NUMBER: 16-001-001-001

WALES PRIMARY  
**PROPOSED  
1ST FLOOR PLAN**



# Middle School

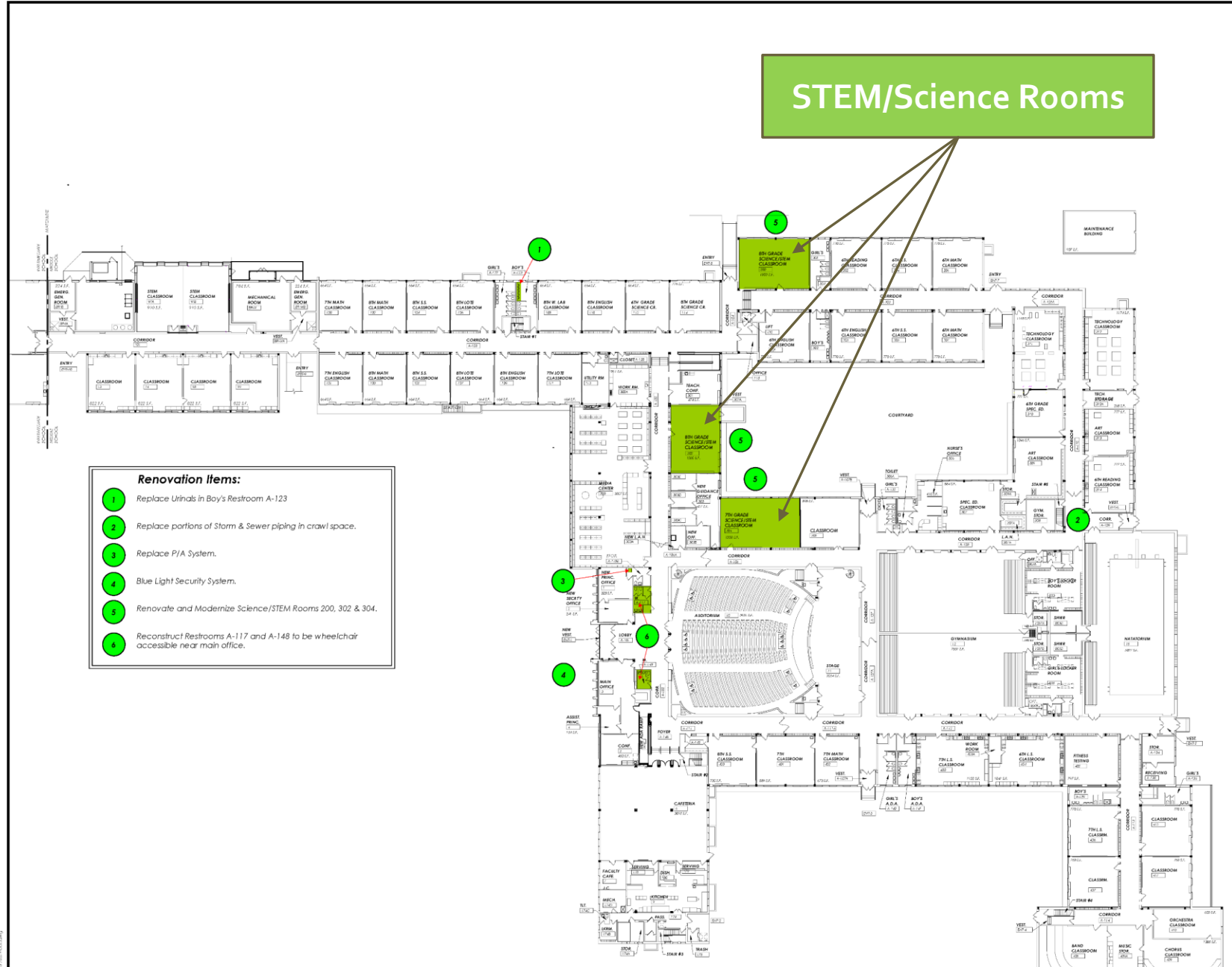
- Replace public address system and clocks
- Install blue light emergency notification system
- STEM/science classroom renovations/upgrades
- Replacement of bathroom urinals
- Replacement of storm and sewer piping
- ADA compliance renovations to restrooms near main office
- Roof replacements
- Installation of solar panels on the roof

# STEM/Science Rooms

# Middle School

# First Floor

- Renovation Items:**
- 1 Replace Urinals in Boy's Restroom A-123
  - 2 Replace portions of Storm & Sewer piping in crawl space.
  - 3 Replace P/A System.
  - 4 Blue Light Security System.
  - 5 Renovate and Modernize Science/STEM Rooms 200, 302 & 304.
  - 6 Reconstruct Restrooms A-117 and A-148 to be wheelchair accessible near main office.



**PROPOSED OVERALL FIRST FLOOR PLAN**  
SCALE: 1/4"=20'-0"

GORDON W. JONES ASSOCIATES ARCHITECTS, P.C.	
PROJECT NO.	7311.0000
DATE	10/15/18
SCALE	AS SHOWN
DRAWN BY	00000001

GORDON W. JONES ASSOCIATES ARCHITECTS, P.C.  
2111 GIRDLE ROAD, ELMA, NY 14059  
WWW.GWARCHITECTS.COM

**IROQUOIS CENTRAL SCHOOL DISTRICT**  
2111 GIRDLE ROAD, ELMA, NY 14059

**IROQUOIS MIDDLE SCHOOL**  
2111 GIRDLE ROAD, ELMA, NY 14059

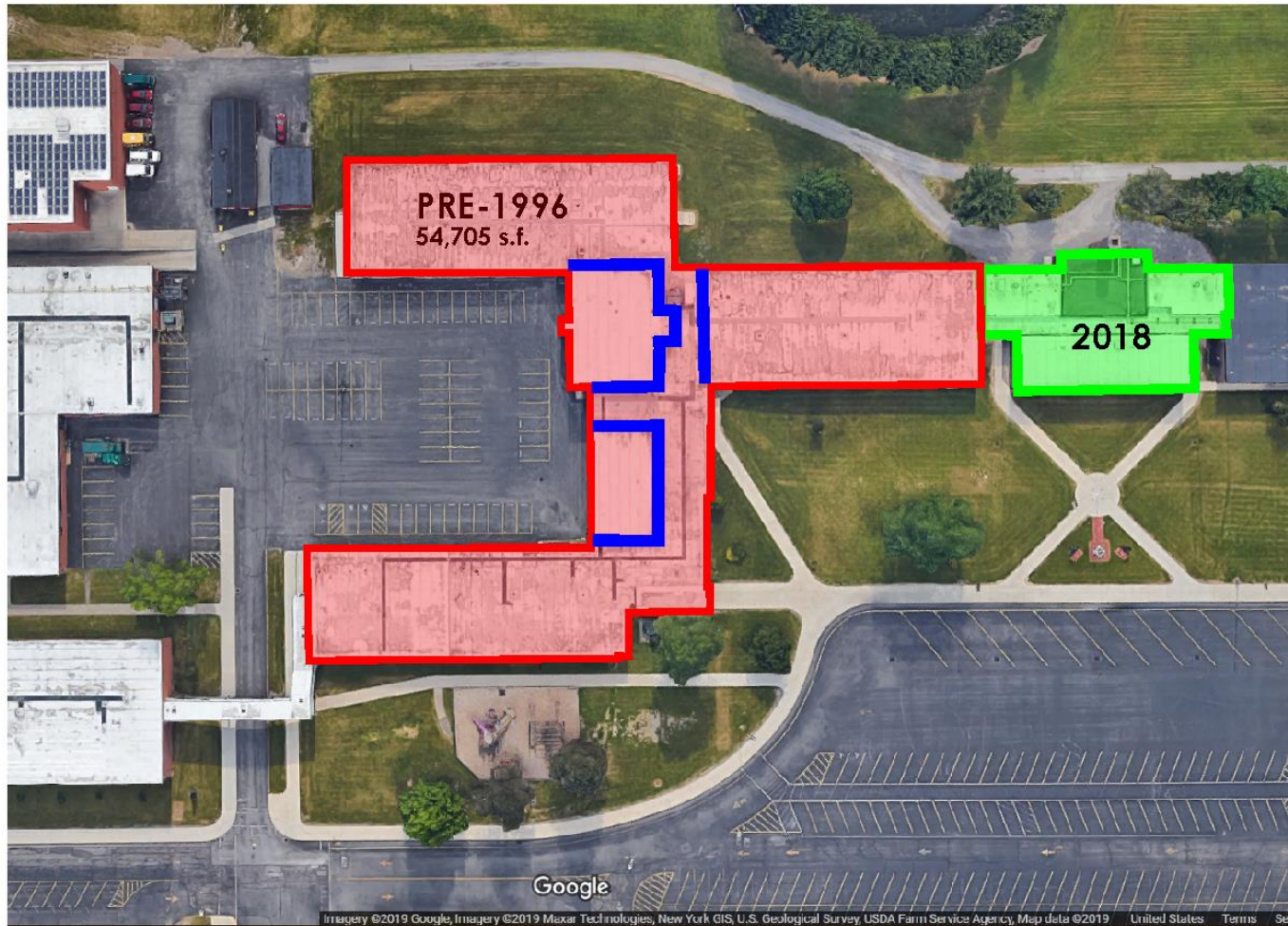
PROJECT CONTROL NUMBER: 18-13-01-56-002-000




IROQUOIS MIDDLE SCHOOL  
**PROPOSED 1ST FLOOR PLAN**

18-13-01-56-002-000-001

# Middle School

## Roof Work

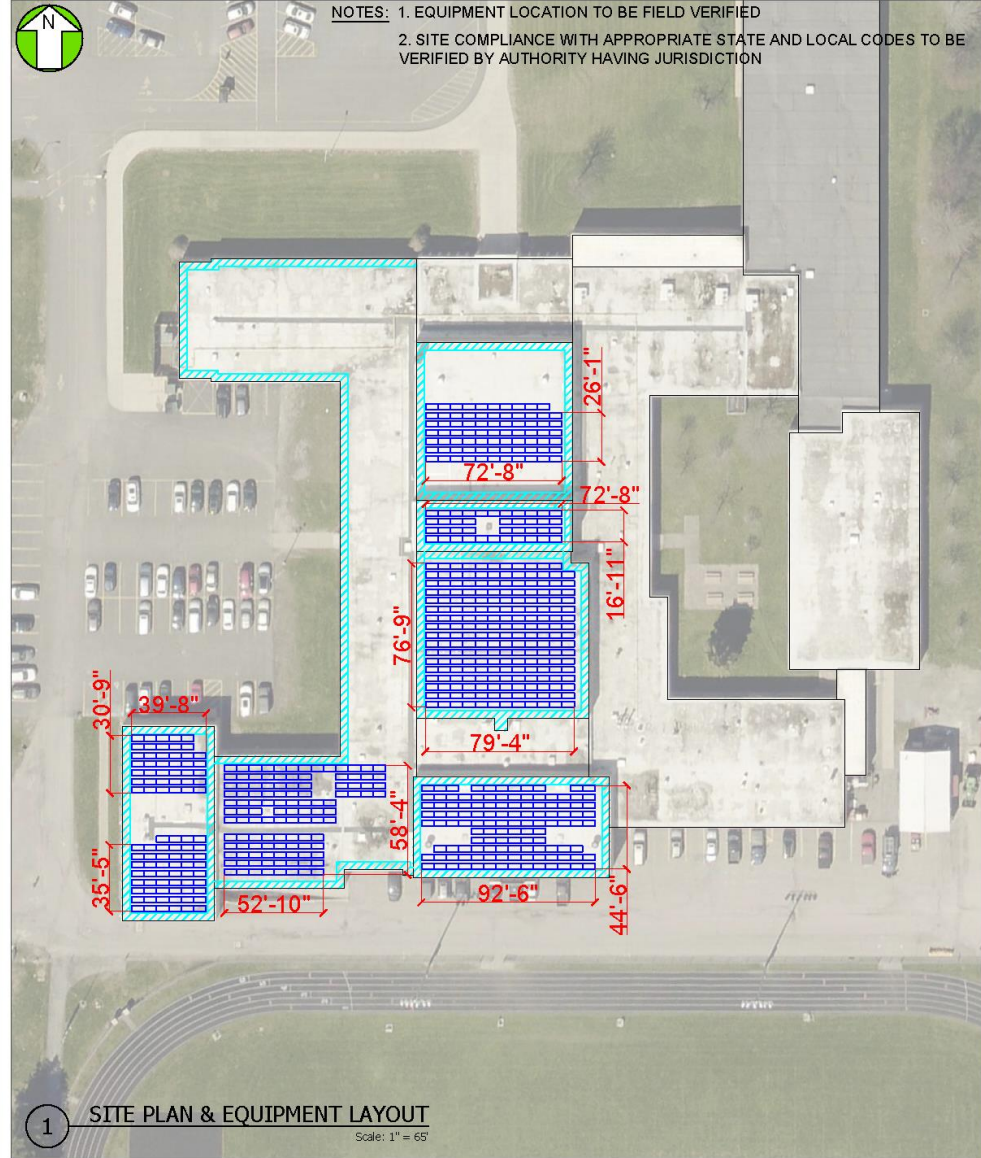


-  PROPOSED AREAS OF ROOFING TO BE REPLACED WITH EXPIRED WARRANTIES.
-  PROPOSED AREAS OF THRU-WALL FLASHING REPLACEMENT
-  AREAS OF ROOFING CURRENTLY UNDER WARRANTY.

# Middle School

## Solar Panels

**NOTES:** 1. EQUIPMENT LOCATION TO BE FIELD VERIFIED  
 2. SITE COMPLIANCE WITH APPROPRIATE STATE AND LOCAL CODES TO BE VERIFIED BY AUTHORITY HAVING JURISDICTION



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SOLAR MODULE COUNT	642
STRING SIZE	5 x [36M x 3S], 1 x [34M x 3S]
RACKING SYSTEM	DYNORAXX EVO FR
PITCH OF ARRAY	10°
INVERTER MODEL	6 x SE30KUS w/ 321 x SE P800p DC OP
ARRAY AZIMUTH	180°
EAVE HEIGHT	9' - 22"
INTERCONNECTION VOLTAGE	480V/3Φ

LEGEND	
	UNSHADED SOLAR MODULE
	SHADED SOLAR MODULE
	MIXED ORIENTATION SOLAR MODULE
	INVERTER
	EASY TO READ METER
	AC COMBINER BOX
	UTILITY METER
	MAIN BREAKER PANEL
	ELECTRICAL TRENCH
	VENTING AND PATHWAYS
	GROUND ACCESS AREA

**General Notes**

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ELECTRICAL STAMP AREA

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Q	Original S/W Plan	2/05/19
No.	Revision/Issue	Date

**SOLARLIBERTY**  
 THE FUTURE OF ENERGY INDEPENDENCE

6500 Sheridan Drive  
 Suite 120  
 Buffalo, NY 14221  
 866-80-RENEW

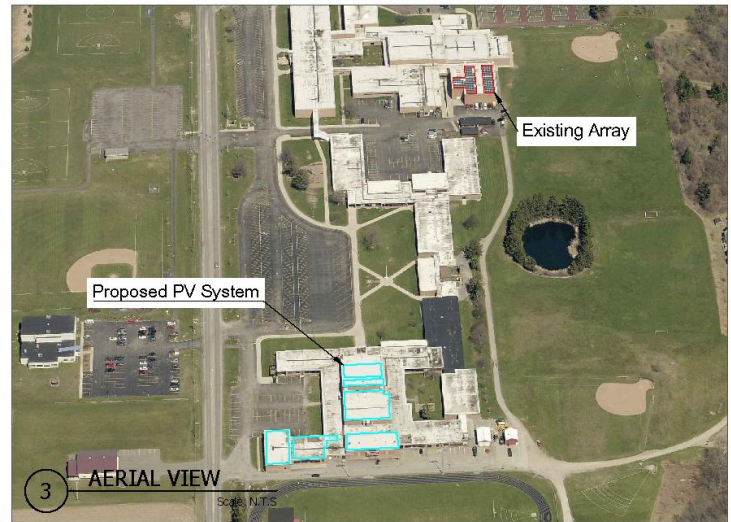
**NABCEP**  
**CERTIFIED**  
 PV Installation Professional

**Project Name and Address**

Iroquois Middle School  
 2111 Girdle Rd,  
 Elma, NY 14059

Drawn By <b>CR</b>	Checked By <b>LL</b>
Date <b>12/05/2019</b>	Date <b>12/05/2019</b>
Scale <b>AS NOTED</b>	Sheet <b>PV-S4</b>

**2 PV SYSTEM OVERVIEW**  
 Scale: N.T.S.





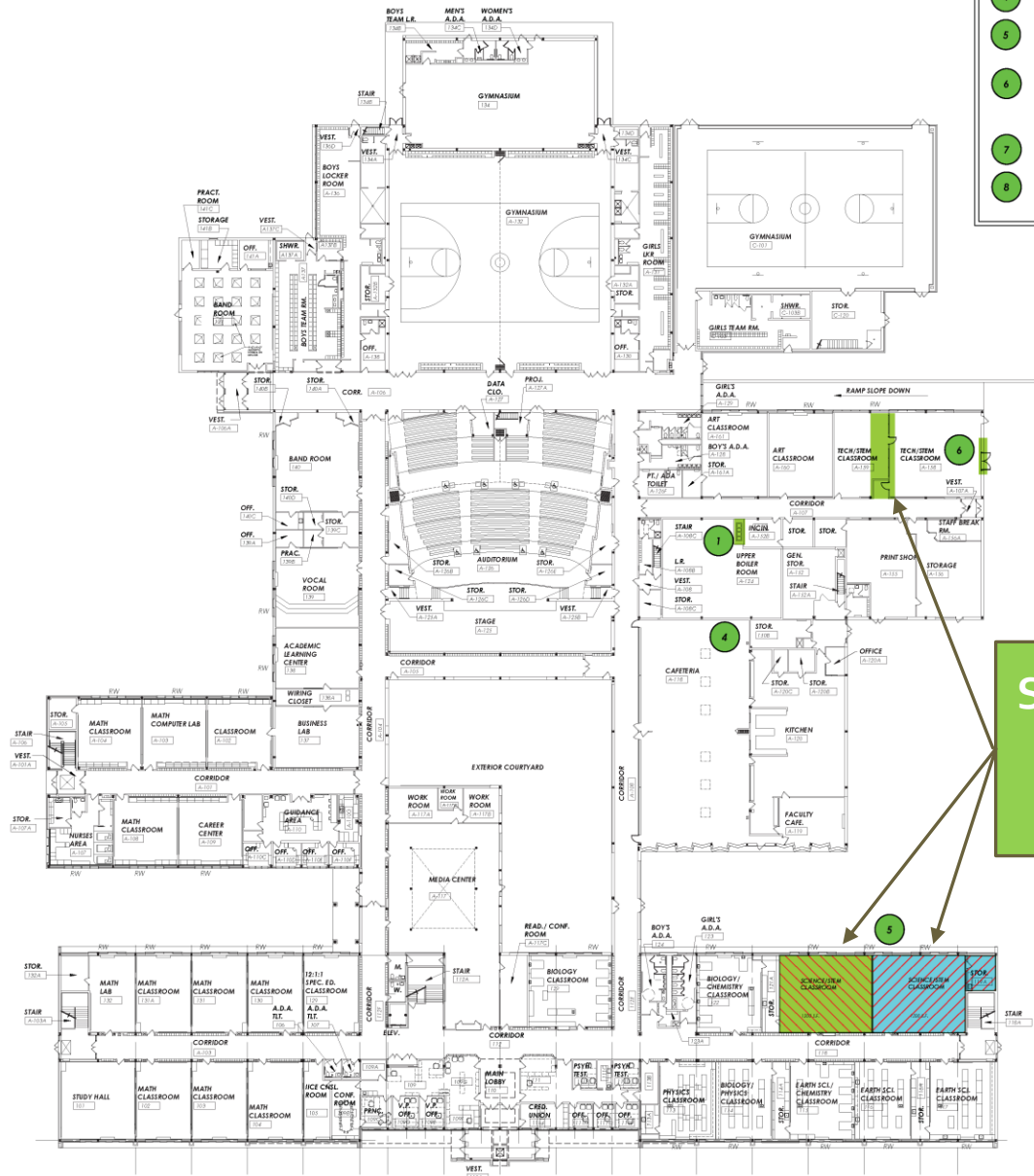


# High School

- Replace public address system and clocks
- Install blue light emergency notification system
- STEM/science classroom renovations/upgrades
- STEM/technology/wood shop classroom renovations/upgrades
- Install air-conditioning in cafeteria

2020 CAPITAL IMPROVEMENT PROJECT  
PUBLIC REFERENDUM VOTE DATE: OCTOBER 6, 2020

- Renovation Items:**
- 1 Remove Chimney Below Roof, Infill Roof, Steel for Future A/C Unit.
  - 4 Provide A/C DX Coil & Condenser For Cafe (Ready to Accept DX Coil)
  - 5 Renovate Science/STEM Classrooms (combine three Science Classrooms 119, 120 & 121 Into two Science/STEM Classrooms)
  - 6 Renovate Tech/STEM Classrooms A-158 / A-159; Remove portions of interior wall and install new interior windows and door. Also Relocate entrance door to room and minor wood shop improvements.
  - 7 Replace P/A system.
  - 8 Blue Light System.



STEM/Science/  
Wood Shop  
Rooms

PROPOSED OVERALL  
FIRST FLOOR PLAN  
SCALE: 1/8"=20'-0"

# High School

## First Floor

<p>PROPOSED OVERALL FIRST FLOOR PLAN SCALE: 1/8"=20'-0"</p>	
<p>PROJECT NO: 14-1301-06-007-001</p>	<p>DATE: 07/15/2020</p>
<p>PROJECT: IROQUOIS HIGH SCHOOL</p>	<p>CLIENT: IROQUOIS CENTRAL SCHOOL DISTRICT</p>
<p>DESIGNER: GORDON W. JONES ASSOCIATES ARCHITECTS, P.C.</p>	<p>ARCHITECT: GORDON W. JONES ASSOCIATES ARCHITECTS, P.C.</p>
<p>14-1301-06-007-001</p>	
<p>PROJECT CONTROL NUMBER: 14-1301-06-007-001</p>	
<p>IROQUOIS HIGH SCHOOL PROPOSED 1ST FLOOR PLAN</p>	

**CAMPUS**  
CONSTRUCTION MANAGEMENT

**ENGINEERING**  
Mechanical/Electrical Engineering Consultants  
Buffalo | Rochester | Syracuse | Schenectady  
14220 WOODLAND AVENUE | LEBANON, NY 14506

**GORDON W. JONES ASSOCIATES**  
ARCHITECTS, P.C.  
100 MAIN STREET, BIRMINGHAM, NY 14504  
WWW.GWASCHITECTS.COM

**IROQUOIS CENTRAL SCHOOL DISTRICT**  
2111 GIRDLER ROAD, ELMA, NY 14059

**IROQUOIS HIGH SCHOOL**  
2111 GIRDLER ROAD, ELMA, NY 14059



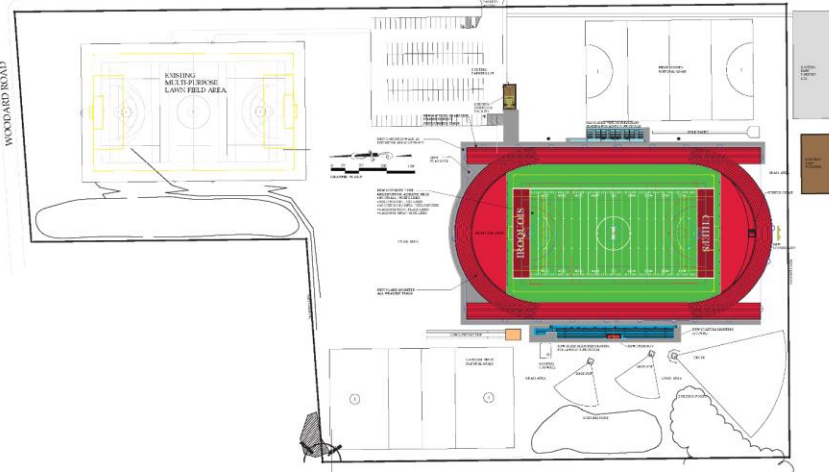
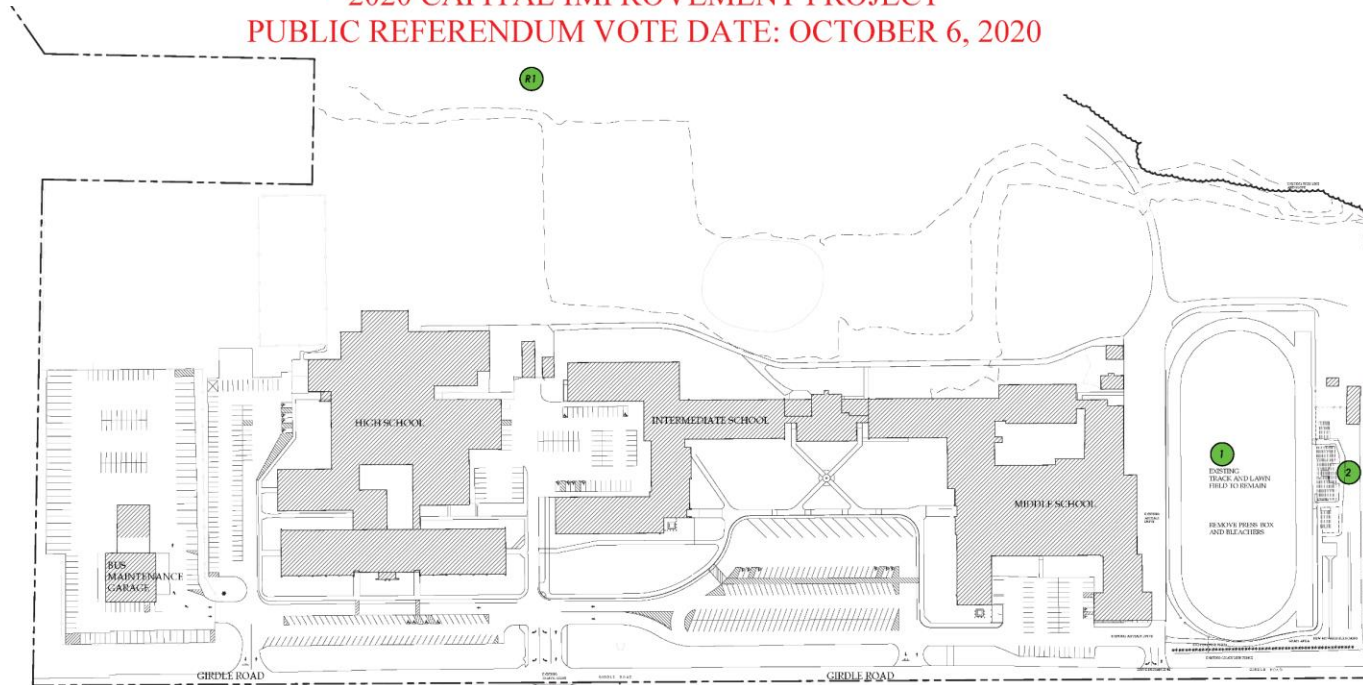
# Site Improvements

- **Reconstruct concrete wall at wastewater settling tank**
- **Reconstruction of athletic fields across the street from the Main Campus to include:**
  - New rubber surface 8-lane running track and associated track event equipment and accessories
  - New fencing around the track area
  - New multi-sport synthetic turf playing field
  - New bleachers with press box
  - New field lighting
  - New scoreboard
  - Utility, storm, and power requirements for the field
  - New parking lot lighting
  - New sidewalks and curbing work

# PROPOSED ATHLETIC FIELDS

2020 CAPITAL IMPROVEMENT PROJECT  
PUBLIC REFERENDUM VOTE DATE: OCTOBER 6, 2020

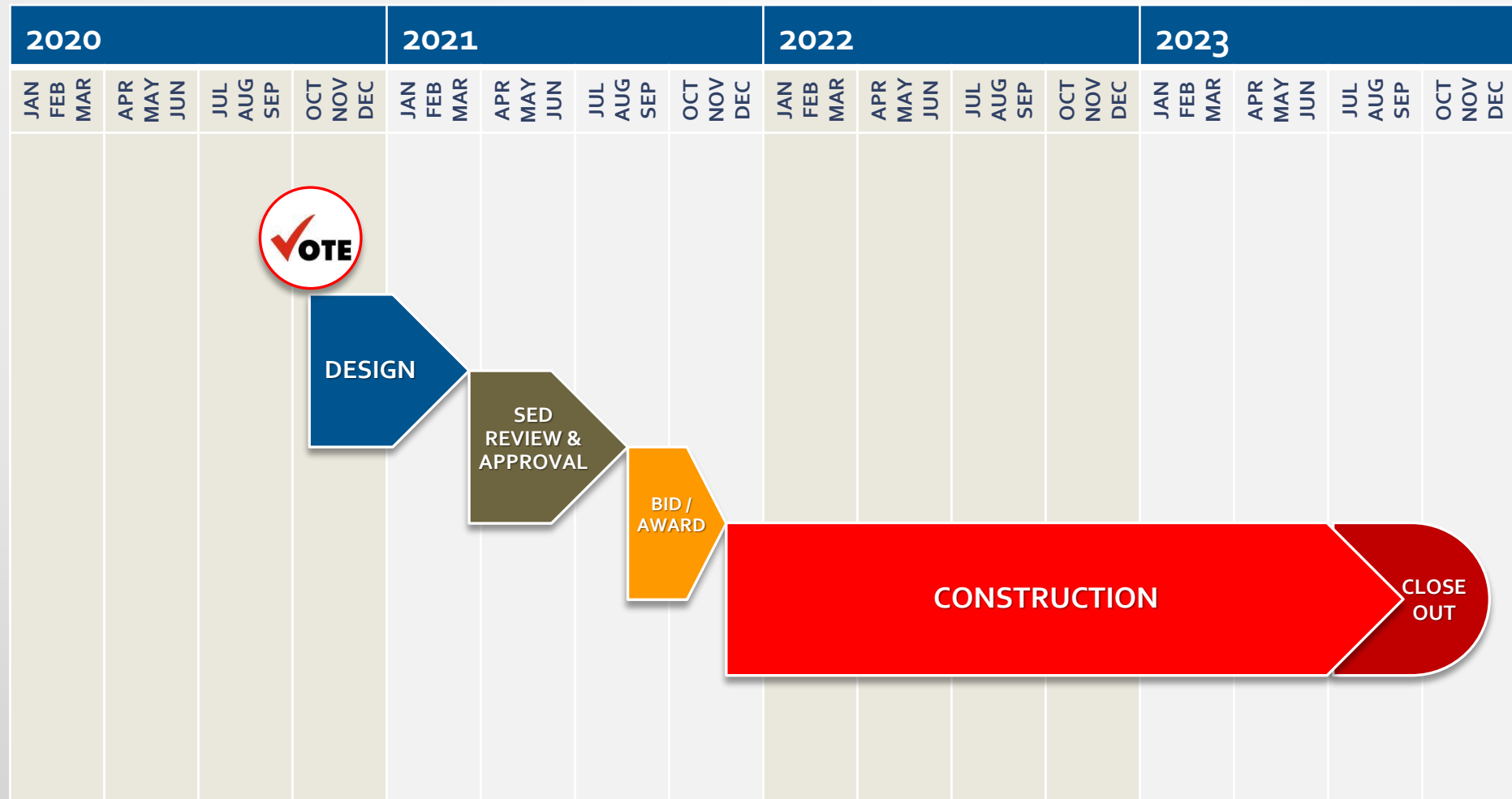
GORDON W. JONES ASSOCIATES  
ARCHITECTS, P.C.  
5757 MAIN STREET WILLIAMSVILLE, NY 14221 P: 716-633-9000  
WWW.GWJARCHITECTS.COM



- Site Renovation Items:**
- 81 Reconstruct portion of concrete wall at waste water open settling tank.
- Site Athletic Field Items:**
- 1 Existing track and lawn field to remain.
  - 2 Remove existing press box and bleachers.
  - 3 New 8 lane all weather track.
  - 4 New synthetic turf multi-purpose field at interior of track.
  - 5 New bleachers for 1000 seating on home side. District to relocate existing portable bleachers for visitor side.
  - 6 New press box
  - 7 New 4 post LED track & field lighting.
  - 8 New multi-sport scoreboard.
  - 9 New track and field utility requirements.
  - 10 New track and field storm requirements.
  - 11 New concrete sidewalks and curbing for track area.
  - 12 New fencing for track area.
  - 13 New event equipment.
  - 14 New track power.
  - 15 New track parking lot lighting.

# Main Campus Athletic Fields

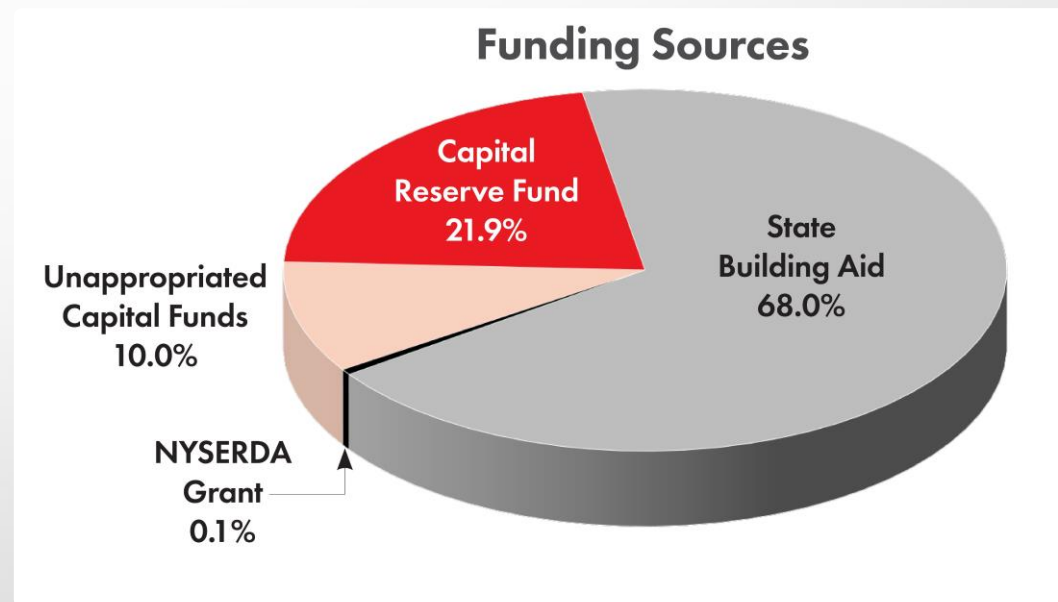
# Potential Project Timeline



# Financing Plan

This project will be completed with NO IMPACT ON THE TAX LEVY

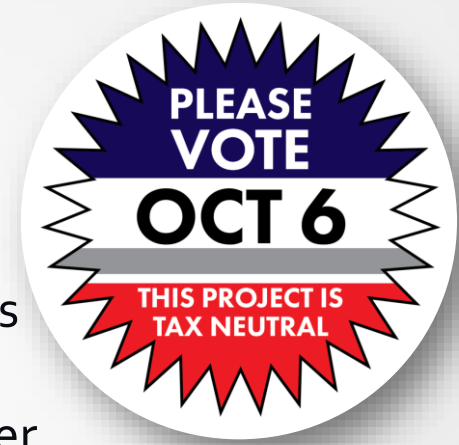
State Building Aid	\$13,288,000
Use of 2011 Capital Reserve	\$ 4,270,942
Unappropriated Capital Funds	\$ 1,950,307
<hr/>	
Total Project Amount	\$19,509,249



- ⚙ This project's solar component is eligible for an additional \$208,000 NYSERDA Grant and an additional 10% measure of State Building Aid.

# Additional Information Sources

- **Project Video:** Available on web site in early September
- **Capital Project Overview:** Fact sheet available on web site and in schools
- **Capital Project Newsletter:** Mailed to every household in mid-September
- **Public Information Meeting:** September 23 at 6:30 p.m. via live-stream  
*Please mail questions to [csadowski@iroquoiscsd.org](mailto:csadowski@iroquoiscsd.org) prior to the meeting*
- **Virtual Meeting:** October 1<sup>st</sup> at 6:00 p.m. via TEAMS, link to the meeting will be on the Capital project webpage



**PUBLIC  
VOTE**

**Tuesday, October 6**

7:30 a.m. – 9:00 p.m.

Intermediate School Gymnasium

*Absentee ballots are available on request from the District Clerk.*

# Questions?

- **Frequently Asked Questions** are addressed here:
  - On the District web site at [www.iroquoiscsd.org](http://www.iroquoiscsd.org)
  - Capital Project Newsletter  
*September Special Issue*
- For answers to additional questions, send an email to:

**Douglas Scofield**  
Superintendent of Schools  
[dscofield@iroquoiscsd.org](mailto:dscofield@iroquoiscsd.org)

**John Wolski**  
Business Administrator  
[jwolski@iroquoiscsd.org](mailto:jwolski@iroquoiscsd.org)

***Iroquois Central School District***

