Clien	Barrington Public School	Project Name:					RIDE	Stage 1		
Proje	ect Manager: Sean Schmigle	Project #:	21023							
Site I	N High School	School Size:	177,600 sf		Year Built:	1950				
			PRI	ORITY TOTAL						
Item	System	1	2	3	4	5		Total	% of Total	
1	Site			3	4		\$	445,000.00	1.20%	
1	Cleaning Roof Drains			Capital Renewal	Lump	2	\$	44,400.00	1.01%	
2	Installing new downspouts			Capital Renewal	24	2	\$	25,200.00	0.57%	
3	Replacement of damaged low-sloping modified Bitumen roof			Capital Renewal	91,475 SF	1	\$	3,293,100.00	74.85%	
4	Replacement of damaged low-sloping modified Bitumen roof	(s) (Press Box)		Capital Renewal	4,500 SF	2	\$	162,000.00	3.68%	
5	Field storage buildings roof repair / replacement			Capital Renewal	2,500 SF	2	\$	875,000.00	19.89%	
1	In several locations throughout the building, water-stained ce observed. Prolonged water infiltration may cause deterioration system, and interior finishes. Further investigation is required infiltration	on to the roof elem	ents, structural	Capital Renewal	Lump	2	\$	-	0.00%	(-\$1,243,200) Covered in Roof Replacement
6	In the main gymnasium, the basketball hoop support framing between panel point and is not reinforced at these locations. structural drawings be reviewed and/or the metal truss manu that the trusses were designed to support the basketball hoop	It is recommended Ifacturer be contac	d that the existing ted to verify	Capital Renewal	Lump	2	\$	10,000.00	0.25%	
12	In the north-eastern courtyard, both roofs above the doors as damaged panels. If the rust is allowed to continue to develop repaired, it could eventually lead to failure and collapse, pote personal injury. It is recommended that the rust be removed appropriate coating system and that the panels be replaced.	o or the damaged pentially causing prop	panels are not perty damage or	Capital Renewal	Lump	2	\$	25,000.00	0.62%	
27	At the north side entrance to the cafeteria, the roof framing is and the brick wall to the west has several cracks and is slightly deterioration, and its location at an entrance/exit, it is recommended at once. See the next page for a photo of the other services.	y displaced. Due to mended that this a	o the extent of rea be rebuilt or	Capital Renewal	Lump	2	\$	50,000.00	1.25%	
28	The canopy roof framing along the west face of the kitchen as damaged panels. If the rust is allowed to continue to develop repaired, it could eventually lead to failure and collapse, pote personal injury. It is recommended that the rust be removed and then re-finish the framing with an appropriate coating sys	o or the damaged p ntially causing prop , perform any repa	panels are not perty damage or irs to the framing,	Capital Renewal	Lump	2	\$	25,000.00	0.62%	

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Clien	Barrington Public School	Project Name:					RIDE Stage 1]
		Project #:	21023				U		
Site I	N High School	School Size:	177,600 sf		Year Built:	1950	1		1
				ORITY TOTAL		1			
Item	,	1	2	3	4	5	Total	% of Total	-
30	The flat portion of roof at the south west area of the building I can cause the roof to sag due to the weight of the water. As the entrapped in the low spot of the roof, causing additional saggi adequately pitched, or tapered insulation below the roof memwater to flow to the roof drains. The roof drains must also be framing supporting the ductwork is showing signs of rust and so the roof which should be rewind and possibly cause damage to property or injure personn be investigated for snow drifting loads surrounding all rtu's an	he roof sags, more ng. The roof struct abrane must be ins cleaned of any obs should be inspecte emoved before the nel. In addition, the	water can become ture must be stalled, to allow the structions. The d for deterioration. Ey can be moved by e roof structure must	Capital Renewal	Lump	2	\$ -	0.00%	(-\$939,682) Covered in Roc Replacement
31	The curved dormer on the south face, east end has become ur has buckled. These deficiencies may allow water and air to inf possibly cause damage to the structure and interior architectu these repairs be performed by a contractor that specializes in	filtrate the building Iral finishes. It is re	g envelope and ecommended that	Capital Renewal	Lump	2	\$ 75,000.00	1.87%	
32	At the north east courtyard's south east corner, vegetation is gand vertical cracks in the brick are visible. It is recommended can create openings in the building envelope which may allow cause damage to the structure and/or interior finishes. It is rebe repaired for the same reasons. In addition, the roof structure drifting loads at all high/low roof areas	that the vegetation water and air infil commended that commended the com	n be removed as it tration that could cracks in the bricks	Capital Renewal	Lump	2	\$ 12,000.00	0.30%	
33	The tarp which has been wrapped over a roof top unit (RTU) or reached the end of its useable life. It is recommended that the addition, the roof structure must be investigated for snow driff exposed ductwork	e tarp be removed	and replaced. In	Capital Renewal	Lump	2	\$ 1,000.00	0.02%	
34	At various locations, roof drains appear to be partially obstruct water ponding which can cause the roof structure to sag due sags, more water can become entrapped in the low spot of the roof structure must be adequately pitched, or tapered insulati installed, to allow the water to flow to the roof drains. It is recleaned on a regular basis. In addition, the roof structure must loads at all high/low roof areas	to the weight of th e roof, causing add on below the roof commended that t	e water. As the roof litional sagging. The membrane must be he roof drains be	Capital Renewal	Lump	2	\$ 15,000.00	0.37%	
36	The flat portion of roof at the north east area of the building hequipment and adjacent to a roof edge drain. Ponding of wate weight of the water. As the roof sags, more water can become causing additional sagging. The roof structure must be adequated below the roof membrane must be installed, to allow the water drains must also be cleaned of any obstruction	er can cause the ro e entrapped in the ately pitched, or ta	oof to sag due to the low spot of the roof, pered insulation	Capital Renewal	Lump	2	\$ -	0.00%	(-\$939,682) Covered in Roo Replacement

Client	Barrington Public School	Project Name:	т				RIDE Stage 1	
Proje	ct Manager: Sean Schmigle	Project #:	21023					
Site N	High School	School Size:	177,600 sf		Year Built:	1950		
		1	pov.				1	
Item	System	1	2	ORITY TOTAL 3	4	5	Total	% of Total
	At various locations the roofing material is detaching (bubblin materials are cracked and appear brittle. The deficiencies do hazard at this time. However, if the conditions continue to de the building envelope and cause damage to the structure or it the roofing and joint materials be inspected and repaired by a roofing systems. In addition, the roof structure must be inveshigh/low roof areas	ig) from the substra appear to currently eteriorate, water an nterior finishes. It is a roofing contractor	te and the joint pose a structural ad air may infiltrate s recommended that specializing in these	Capital Renewal	Lump	2	\$ 5,000.00	0.12%
	At various locations on the roof, the wood supporting equipm longer connected to the roof below. Insufficient support of the during strong winds. It is recommended that new pressure-trinstalled. In addition, the roof structure must be investigated rtu's and exposed ductwork	ne equipment could eated equipment s	l allow it to displace support framing be	Capital Renewal	Lump	2	\$ 35,000.00	0.87%
39	The ballasted roofs along the southern side of the building ap service life. The ballast is no longer adhering to the membrar into gutters. It is recommended that the ballasted roofs be re	e and is falling onto	adjacent roofs and	Capital Renewal	Lump	2	\$ -	0.00%
40	Snow drifting can occur at high/low roof areas and around rtu designed prior to 1978 did not account for snow drifting as it at that time. As we have not received existing structural draw structure, the roof framing shall require further investigation. This is a serious issue since we have observed the failure of seconditions within the last 30 years.	was not required by vings, nor had acces to determine its loa	y the Building Code as to the roof ad carrying capacity.	Capital Renewal	Lump	2	\$ 15,000.00	0.37%
1	The existing boilers appear to be original to the building, with past their useful life expectancy. Four new gas fired condensin accessories should be installed.			Capital Renewal	Lump	2	\$ 35,000.00	2.17%
2	The classroom unit ventilators should be replaced with a more unit ventilators use a considerable amount of energy as they lonly to be exhausted to the outdoors. We recommend provid displacement air with a Variable Air Volume (VAV) terminal unit or individual control in each room with CO2 demand control as everything is performed at the rooftop unit or indoor air has	oring in ventilation ing dehumidified (p nit to all classrooms ventilation. Mainte	air, which is heated, partial AC) s. The systems allow	Capital Renewal	Lump	2	\$ 45,000.00	2.80%
3	A new air handling unit serving the Cafeteria should be provide dehumidified displacement air similar to the classrooms as de		d the system provide	Capital Renewal	Lump	2	\$ 85,000.00	5.28%
4	Air handling units that provide ventilation air to corridors, offi dehumidified (partial AC) displacement air with a Variable Air respective space.			Capital Renewal	Lump	2	\$ 90,000.00	5.59%

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	Barrington Public School	Project Name:					RIDE Stage 1		-	
	ct Manager: Sean Schmigle	Project #:	21023						-	
Site N	High School	School Size:	177,600 sf		Year Built:	1950			-	
							Г			
Item	System	1	PRIO	ORITY TOTAL 3	4	5	Total	% of Total	4	
Item	Kitchen equipment should be upgraded. The HVAC equipmen			<u> </u>	7	,	Total	76 01 10tai		
5	equipment. Provide a dedicated make-up air unit for the kitch to modulate exhaust and make-up air to the system for energ system shall be added for the new dishwasher.	nen hood with a M	elink control system	Capital Renewal	Lump	2	\$ 105,000.00	6.52%		
7	Upgrade / replace air handling units that provide ventilation a displacement air with a Variable Air Volume (VAV) terminal u		umidified (partial AC)	Capital Renewal	Lump	1	\$ 1,250,000.00	77.64%		
2	New addressable fire alarm system to be provided with voice	evacuation.		Capital Renewal	Lump	1	\$ 250,000.00	16.67%]	
4	Upgrading / relocating of electrical systems.			Capital Renewal	Lump	1	\$ 650,000.00	43.33%	Added Capital Ren	ewal
5	Diesel Generator Replacement w/ Transfer switch upgrades			Capital Renewal	Lump	1	\$ 500,000.00	33.33%	Added Capital Ren	ewal
1	Install new NFPA-13 Fire Suppression System			Code Compliance	177,600 SF	1	\$ 150,000.00	100%		
7	Replace the Simplex Public Address system with a scalable, m system.	odern, Analog / IP	hybrid public address	Technology	Lump	2	\$ 48,000.00	0.75%		
8	Replace the wall mounted speakers with modern, ceiling mou coverage.	inted speakers to p	provide better	Technology	Lump	2	\$ 36,000.00	0.56%	_	
9	Replace all public address/master clock associated cabling.			Technology	Lump	2	\$ 75,000.00	1.16%	oublic	
10	Install public address strobes to notify students and staff of an including, but not limited to: Gymnasiums, Cafeteria, Shop Cla			Technology	Lump	2	\$ 66,000.00	1.03%	Public Address/Master Clock	
11	Install exterior horns around the building for full coverage of	the exterior, includ	ling the fields	Technology	Lump	2	\$ 75,000.00	1.16%	Maste	
12	Install a phone to public address interface so that any phone address system.	n the building can	access the public	Technology	Lump	2	\$ 60,000.00	0.93%	er Cloc	
13	Replace the Public Address Phone handsets with newer mode	els		Technology	Lump	2	\$ 36,000.00	0.56%		
14	Replace the Simplex Wired Master Clock with a modern, wire	less Master Clock.		Technology	Lump	2	\$ 45,000.00	0.70%		
15	Replace all hardwired clocks in all spaces with Wireless clocks			Technology	Lump	2	\$ 73,000.00	1.13%		
16	Install a card reader and an intercom door release at the main should have video and audio two-way communication. Install for all receptionists and building administrators.			Technology	Lump	2	\$ 25,500.00	0.40%		
17	BPS Facilities confirmed that Sonitrol is the preferred vendor. ensure that the intrusion detection panels are the latest and i communication (POTs, IP, Cellular). Consider adding door pos	nclude redundant	means of	Technology	Lump	2	\$ 28,500.00	0.44%		

Clier	nt Barrington Public School	Project Name:			RIDE	Stage 1				
Proj	ect Manager: Sean Schmigle	Project #: 21023								
Site	N High School	School Size:	177,600 sf		Year Built:			1950		
			PRIC	RITY TOTAL						
tem	•	1	2	3	4	5		Total	% of Total	
18	It is recommended that Sonitrol perform a test of all intrusion working properly.	devices to ensure a	ll the devices are	Technology	Lump	2	\$	42,000.00	0.65%	
19	The Video Surveillance system at the recently built Middle Sch the video surveillance management platform under an enterp "Single Pane of Glass" to manage all cameras throughout the		Technology	Lump	2	\$	150,000.00	2.33%		
20	Uniview has camera lines that are NDAA compliant and cameras that are not. Although the NDAA ban does not apply to public schools, it is recommended to replace all NDAA banned telecommunication and security devices. Consider reviewing the Uniview devices against NDAA compliance and replacing as necessary			Technology	Lump	2	\$	45,000.00	0.70%	
21	Camera coverage is lacking in locations of the building, particularly on the exterior and in some corridors. Consider adding additional cameras.			Technology	Lump	2	\$	90,000.00	1.40%	
22	Consider adding a larger spot monitor to display more images of the exterior of the building in the main office for receptionists.			Technology	Lump	2	\$	75,000.00	1.16%	
23	Consider replacing the lockdown button for a larger button wi Consider installing multiple buttons throughout the administra		Technology	Lump	2	\$	38,000.00	0.59%		
24	Consider integrating the lockdown button with the access con system into a heightened threat level. This can be configured building during an emergency event while keeping the system responders	Technology	Lump	2	\$	120,000.00	1.86%			
25	Consider adding security strobes around the exterior to notify staff, students, and visitors approaching the building to not enter.			Technology	Lump	2	\$	95,000.00	1.48%	
26	Consider integrating a messaging application that will send otl district notification that the school went into lockdown. Consider	Technology	Lump	2	\$	65,000.00	1.01%			

Total: \$9,115,700.00

Police Department.