

DISTRICT OFFICE

1400 Division Street South Northfield, MN 55057 PH 507.663.0600 • FAX 507.663.0611 www.nfld.k12.mn.us

School Board Work Session Agenda August 20, 2014

1. Welcome and Introductions	7:00 pm
2. Demographic Study – Overview	7:05 pm
3. Deferred Maintenance – Overview	7:10 pm
4. Deferred Maintenance - Reflection and Takeaways	7:35 pm
5. Educational Adequacy of Schools and Sites – Overview	7:50 pm
6. Educational Adequacy of Schools and Sites – Reflection and Takeaways	8:15 pm
7. New Directions – Overview	8:30 pm
8. New Directions – Individual Reflections and Takeaways	8:35 pm
9. New Directions – Small Group Reflections and Focal Points	8:45 pm
10. Small Group Reports	9:15 pm
11. Community Engagement Strategies	9:50 pm
12. Closing	9:55 pm

DEFERRED MAINTENANCE SUMMARY

8/13/2014

						第 71 44		
	SCHOOL	Level 1 Considerations	E.E. Level 1 Considerations	Level 2 Considerations	E.E. Level 2 Considerations	Level 3 Considerations	E.E. Level 3 Considerations	Total
1	Bridgewater Elementary School	\$1,731,400	\$0	\$0	\$0	\$268,300	\$67,200	\$2,066,900
2	Greenvale Park Elementary School	\$2,828,400	\$0	\$0	\$0	\$305,100	\$28,500	\$3,162,000
3	Sibley Elementary School	\$725,600	\$0	\$187,500	\$0	\$634,000	\$40,300	\$1,587,400
4	Longfellow ALC / Early Childhood	\$1,183,100	\$0	\$25,000	\$0	\$111,200	\$53,100	\$1,372,400
5	Northfield Middle School	\$500,000	\$0	\$2,437,500	\$0	\$180,700	\$233,800	\$3,352,000
6	Northfield High School	\$3,119,400	\$0	\$1,400,400	\$0	\$1,007,300	\$100,600	\$5,627,700
	Total	\$10,087,900	\$0	\$4,050,400	\$0	\$2,506,600	\$523,500	\$17,168,400

Deferred Maint. Considerations

- 1 Short Term Need (0 -3 Yrs.)
- 2 Mid Term Need (4 6 Yrs.)
- 3 Long Term Need (7 10 Yrs.)

Guiding Principles

Maintain student learning environment Security of students, staff and community Indoor air quality / comfort of occupants Protect taxpayer investment

Category Legend

- A Architectural (exterior envelope, materials, equipment, finishes,...)
- M Mechanical Systems (HVAC, plumbing, fire protection,...)
- E Electrical Systems (elec. distribution, power, lighting,...)
- T Technology Systems (data, voice, video, security, sound,...)
- S Site (landscaping, walks, drives, parking, playfields, irrigation,...)
- R Remodeling
- AD Addition

Other Factors to Consider:

Hazardous Material Clean-up Costs

Legal / Interest Costs, and Special Construction Services

© ATS&R Planners Architects Engineers 2014

Energy Efficiency Considerations

- 1 Energy Savings Payback (0-5 Years)
- 2 Energy Savings Payback (6-10 Years)
- 3 Energy Savings Payback (10 + Years)

Bridgewater Elementary School Deferred Maintenance

Owner Provided		Consid. Level	E.E. Consid. Level		Item Description	Project Cost
				Α	Exterior wall repair; joint sealant replacement with minor tuck pointing (2022)	
	Def Maint	3		<u> </u>		\$62,500
	Def Maint	1		A	Roof repair (2014 & 2015)	\$10,000
	Def Maint	1		Α	Replace roof (2017)	\$1,562,500
	Def Maint	1		Α	Carpet repairs or replacement; D primary wing (2015)	\$42,500
	DOT MAINE			A	Carpet repairs or replacement; remainder of building	Ψ+2,000
	Def Maint	1				\$50,000
	Def Maint	1		М	HVAC - Add ventilation to 3 small classrooms (converted storage rooms)	
	Dei Maint	<u> </u>		М	TVAC - Add Vertiliation to 3 small classrooms (converted storage rooms)	\$57,000
	Def Maint	3			HVAC - Add AC for Gym AHU	\$52,500
	Def Maint	3		М	HVAC - Change pneumatic actuators to DDC for Control Dampers and Valves	\$137,500
				E	Electric Service - Provide Arc Flash Study	
	Def Maint	3				\$15,750
	Def Maint		3	E	Provide 50KW Generator for emergency and life safety	\$43,750
	Def Maint		3	E	Interior Lighting - Add occupancy sensors for HVAC control	\$6,250
				E	Upgrade Exit Signs to LED	7,
	Def Maint		3	<u> </u>		\$7,813
	Def Maint		3	E	Exterior Lighting - Provide LED Lights	\$9,375
	Def Maint	1		T	Upgrade PA system (to be compatable with digital telephone system)	\$9,375
						\$0
				<u> </u>		
						\$1

Bridgewater Elementary School Deferred Maintenance

1 - Consideration Leve	I TOTAL PRELIMINARY PRO	JECT COST ESTIMATE - CONSIDERATION LEVEL 1	\$1,731,400					
2 - Consideration Leve	I TOTAL PRELIMINARY PRO	JECT COST ESTIMATE - CONSIDERATION LEVEL 2	\$0					
3 - Consideration Lev	I TOTAL PRELIMINARY PRO	JECT COST ESTIMATE - CONSIDERATION LEVEL 3	\$268,300					
	TOTAL PRELIMINARY PRO	JECT COST ESTIMATE - CONSIDERATION LEVELS 1, 2 & 3	\$1,999,700					
	Arch Level 1	\$1,665,000						
	Mech Level 1	\$57,000						
	Elec Level 1	\$0						
	Tech Level 1	\$9,400						
	Site Level 1	\$0						
	Remodel Level 1	\$0						
	Addition Level 1	\$0						
	Total Level 1	\$1,731,400						
1 - E. E. Consid. Leve		JECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVEL 1	\$0 \$0					
2 - E. E. Consid. Leve	I TOTAL PRELIMINARY PRO	TOTAL PRELIMINARY PROJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVEL 2						
3 - E. E. Consid. Leve	I TOTAL PRELIMINARY PRO	JECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVEL 3	\$67,200					
	TOTAL PRELIMINARY PRO	JECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVELS 1, 2 & 3	\$67,200					
	TOTAL PRELIMINARY PRO	JECT COST ESTIMATE	\$2,066,900					
Other Factors to Consider:								
Hazardous Material Clean-up Cos								
Legal / Interest Costs, and Specia	Construction Services							
		© ATS&R Planners Architects Engineers 2014						

Greenvale Park Elementary School Deferred Maintenance

Owner Provided		Consid. Level	E.E. Consid. Level		Item Description	Project Cost
	Def Maint	1		Α	Exterior wall repair; linestone repair and tuck pointing	\$100,000
	Def Maint	3		M	Plumbing - Replace classroom sinks (bubbler must have at least an 18-inch separation from any faucet spout - Plumbing Code)	\$130,000
	Def Maint	3		М	Plumbing - Replace foot operated semi-circular wash fountains with new sensor activated wash fountains	\$50,000
	Def Maint	3		М	Plumbing - Replace remote tank urinals with sensor flush valve urinals	\$30,000
	Def Maint	1		M	HVAC - Steam to HW conversion with new HiEff Condensing Boilers	\$850,000
	Def Maint	3		М	HVAC - remove oil storage tank and system	\$3,750
	Def Maint	1		М	HVAC - Replace MZ AHU A-1 serving Admin area with VAV system	\$112,500
	Def Maint	1		М	HVAC - Replace MZ AHU A-2 serving Kindergarten/ Music area with VAV System	\$184,375
	Def Maint	1		М	HVAC - Replace AHU's C-1 & C-2 and reheats serving classroom areas with VAV systems w/ Energy Recovery	\$975,000
	Def Maint	1		M	HVAC - Replace AHU C-3 serving Media Area with new AHU	\$106,125
	Def Maint	1		М	HVAC - Replace AHU A-3 serving Boiler Room with new AHU	\$62,625
	Def Maint	1		М	HVAC - Replace AHU A-4 serving Gym with new AHU	\$138,500
	Def Maint	1		M	HVAC - Replace AHU-5 serving Upper Lunchroom/Stage with new AHU	\$88,000
	Def Maint	1		М	HVAC - Replace AHU A-6 serving the Locker Rooms with new AHU	\$67,750
	Def Maint	1		М	HVAC - Change pneumatic actuators to DDC for Radiation Control Valves	\$18,750
	Def Maint	1		М	HVAC - Clean and seal existing ductwork	\$41,875

Greenvale Park Elementary School

Deferred Maintenance

					20101104 Maintollario	-
				M		
	Def Maint	11		1	HVAC - Test and Balance	\$50,2 <u>5</u> 0
				М		
	Def Maint	11			HVAC - Commissioning	\$25,1 <u>25</u>
				E	Electric Service - Provide Arc Flash Study	
	Def Maint	3				\$12,563
	Def Maint	3		E	Switchboards / Panelboards - Replace old switchboard and panels.	\$78,750
	Dorman			TE.	The inches and it are a second of the inches and particle.	Ψ10,100
	Def Maint		3		Interior Lighting - Add occupancy sensors	\$8,500
				E	Upgrade Exit Signs to LED	
	Def Maint		3			\$10,625
				T	Upgrade PA system (to be compatable with digital telephone system)	
	Def Maint		3			\$9,375
				S	Concrete replacement and repairs	
	Def Maint	11				\$7,500
	Def Maint			1		
				<u> </u>		\$1
	1 - Consideration Level	TOTAL PRI	ELIMINARY	/ PRO	DJECT COST ESTIMATE - CONSIDERATION LEVEL 1	\$2,828,400
State of the second	2 - Consideration Level				DJECT COST ESTIMATE - CONSIDERATION LEVEL 2	\$0
	3 - Consideration Level	TOTAL PR	ELIMINARY	/ PRO	DJECT COST ESTIMATE - CONSIDERATION LEVEL 3	\$305,100
		TOTAL PR	ELIMINAR'	Y PR	OJECT COST ESTIMATE - CONSIDERATION LEVELS 1, 2 & 3	\$3,133,500.00
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Arch L	evel :	1 \$100,000	
			Mech L	evel :		
			Elec L	and the second		
			Tech L			
			Site L	and the state of t		Control of the Contro
			Remodel L	CONTRACTOR CASTON		
			Addition L	************		And the second by Committee and State Committee of the Co
1000	1 - E. E. Consid. Level	TOTAL DD	Total L	CW(Fe) 3-03C(0.3435)	1 \$2,828,400 DJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVEL 1	\$0
	2 - E. E. Consid. Level				DJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVEL 1	\$0 \$0
	3 - E. E. Consid. Level				DJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVEL 3	\$28,500
					SOLON GOOD LONIMAND LINENOT DIVIDICATE OCHOID. DEVELO	Ψ20,000

	NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT	
	Greenvale Park Elementary School	
	Deferred Maintenance	***************************************
	TOTAL PRELIMINARY PROJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVELS 1, 2 & 3	\$28,500
	TOTAL PRELIMINARY PROJECT COST ESTIMATE	\$3,162,000
Other Factors to Consider:		
Hazardous Material Clean-	up Costs	
Legal / Interest Costs, and	Special Construction Services	
	© ATS&R Planners Architects Engineers 2014	

Sibley Elementary School Deferred Maintenance

Owner Provided		Consid. Level	E.E. Consid. Level	Item Description	Project Cost
			А	Exterior wall repair (2017)	
	Def Maint	1			\$87,500
	Def Maint	1	A	Window and skylight replacement (2017)	\$93,750
	Def Maint	1	A	Interior Doors / Frames / Hardware - replace doors and windows by music (2015)	\$62,500
10 1 1			Α	Interior Finishes - New flooring in 1992 addition (2018 & 2020)	
	Def Maint	2			\$93,750
			Α	Interior Finishes - Replace carpet in office and computer labs (2017)	
	Def Maint	2			\$43,750
			A	Miscellaneous Equipment - Replace window blinds (2015)	
25 045	Def Maint	1			\$6,250
		_	M	Plumbing - Replace classroom sinks (bubbler must have at least an 18-inch	
	Def Maint	2		separation from any faucet spout - Plumbing Code)	\$50,000
	D (M.S.)		M	10/40 Page 16 18 14 16 1 1 6 16 1 1	
	Def Maint	1	М	HVAC - Remove existing LP vaporizer and tank for backup fuel for boilers	\$43,750
	Def Maint	3		HVAC - Replace AHU's for East and West Gyms	\$236,500
			M		
	Def Maint	3		HVAC - New AHU for Music Area with VAV system	\$119,375
	Def Maint	3	M	HVAC - New AHU for Athletic Office and Storeroom	\$55,875
	Dormanic	1 -	М	TVA TO THE TOTAL MORE CHICO WITH CHOROLOGY	ψ33,073
	Def Maint	3		HVAC - New AHU/ERU for Locker Rooms	\$70,500
			М		7.27.22
	Def Maint	3		HVAC - Change pneumatic actuators to DDC for Control Dampers and Valves	\$137,500
			M		
	Def Maint	1		HVAC - Improve exhaust for dishwasher area with new exhaust fan	\$10,000
			M		
	Def Maint	1		HVAC - Replace original exhaust fans (2015)	\$20,000
			E	Electric Service - Provide Arc Flash Study	
	Def Maint	3			\$14,222

Bituminous Paving - Additional parking lot for 20 cars in front (2017)

\$6,875

\$8,438

\$25,000

\$9,375

\$242,500

\$150,000

Def Maint

Hazardous Material Clean-up Costs

1

			\$1
	1 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 1	\$725,600
	2 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 2	\$187,500
	3 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 3	\$634,000
		TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVELS 1, 2 & 3	\$1,547,100
		Arch Level 1 \$250,000	
		Mech Level 1 \$73,800	
		Elec Level 1 \$0	
		Tech Level 1 \$9,400	
		Site Level 1 \$392,500	
		Remodel Level 1 \$0	
		Addition Level 1 \$0	
		Total Level 1 \$725,700	
	1 - E. E. Consid. Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVEL 1	\$0
	2 - E. E. Consid. Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVEL 2	\$0
	3 - E. E. Consid. Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVEL 3	\$40,300
		TOTAL PRELIMINARY PROJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVELS 1, 2 & 3	\$40,300
		TOTAL PRELIMINARY PROJECT COST ESTIMATE	\$1,587,400
Fac	ctors to Consider:		

	NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT
	Sibley Elementary School
	Deferred Maintenance
Legal / Interest Costs, a	and Special Construction Services
	© ATS&R Planners Architects Engineers 2014

Longfellow ALC / Early Childhood Deferred Maintenance

Owner Provided		Consid, Level	E.E. Consid. Level		Item Description	Project Cost
	Def Maint	1		А	Exterior wall repair (2015)	\$87,500
	Def Maint	1		Α	Exterior window and door replacement in 1948 bldg Phases I, II and III (2015, 2016, 2017)	\$812,500
	Def Maint	1		Α	Exterior window and door replacement in 1962 bldg. (2018)	\$175,000
	Def Maint	1		Α	Replace classroom doors (2014, 2015, 2016)	\$18,750
The second secon	Def Maint	2		Α	Miscellaneous Equipment - New cabinets and countertops in elementary areas	\$25,000
	Def Maint	3		М	HVAC - Change pneumatic actuators to DDC for Control Dampers and Valves	\$75,000
	Def Maint	3		E	Interior Lighting - Add occupancy sensors for lighting control in spaces for efficiency.	\$17,813
	Def Maint	3		E	Emergency Lighting / Exit Signs - Provide new emergency lighting system, replace exit signs with LED type, and connect to generator load.	\$8,438
	Def Maint	3		E	Electric Service - Arc flash study is recommended.	\$9,910
	Def Maint		3	E	Provide 50KW Generator for emergency and life safety	\$43,750
	Def Maint		3	E	Exterior Lighting - Change to LED	\$9,375
	Def Maint	1		Т	Upgrade PA system (to be compatable with digital telephone system)	\$9,375
Section in the section of the sectio	Def Maint	1		S	Bituminous Paving - overlay / repairs (2016)	\$80,000
						\$1
					OJECT COST ESTIMATE - CONSIDERATION LEVEL 1	\$1,183,100
	2 - Consideration Level 3 - Consideration Level	A CONTRACTOR OF THE CONTRACTOR OF THE	A SEA A TABLE AND A SHIP TO A SHARE A	er marketin	OJECT COST ESTIMATE - CONSIDERATION LEVEL 2 OJECT COST ESTIMATE - CONSIDERATION LEVEL 3	\$25,000 \$111,200

Longfellow ALC / Early Childhood Deferred Maintenance

		TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVELS 1, 2 & 3	\$1,319,300
5.5		Arch Level 1 \$1,093,800	
		Mech Level 1 \$0	
		Elec Level 1	the second secon
		Tech Level 1 \$0	
		Site Level 1 \$80,000	
		Remodel Level 1 \$0	
		Addition Level 1 \$0	
		Total Level 1 \$1,173,800	
1 - E	E. E. Consid. Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVEL 1	\$0
2-8	E. E. Consid. Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVEL 2	\$0
3 - E	E. E. Consid. Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVEL 3	\$53,100
		TOTAL PRELIMINARY PROJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVELS 1, 2 & 3	\$53,100
	Production of the second	TOTAL PRELIMINARY PROJECT COST ESTIMATE	\$1,372,400
Other Factors to	Consider:		
Hazardous Mate	erial Clean-up Costs		
Legal / Interest (Costs, and Special C	Construction Services	
		© ATS&R Planners Architects Engineers 2014	

Northfield Middle School

Deferred Maintenance

Owner Provided	Consid, Level	E.E. Consid. Level		Item Description	Project Cost
The second secon			AD	Cold storage and salt / sand storage	
Addition	3		ļ.,		\$110,400
Def Main	t 1			Exterior wall repair; recaulk building exterior (2016)	\$62,500
Def Main	t 1		Α	Exterior wall repair; tuck pointing (2023)	\$156,250
Def Main	t 2	e e e e e e e e e e e e e e e e e e e	А	Replace roof (2020)	\$2,437,500
Def Main			Α	Interior Finishes - Paint gyms (2015)	\$18,750
Def Main			Α	Interior Finishes - Sand gym floors and repaint lines (2015)	\$20,000
Programme Commence Co			Α	Interior Finishes - Pool resurfacing (2016)	
Def Main	t 1		٠.		\$115,000
Def Main	t 1		Α	Miscellaneous Equipment - Replace window blinds / window coverings (2014, 2016, 2018, 2020)	\$11,250
Def Main	t 3		Α	Miscellaneous Equipment - Wrestling mat hoist for auxilary gym (2015)	\$31,250
			М		ΨΟ1,200
Def Main	t	3		HVAC - Reclassify Building to delete pneumatic smoke dampers	\$125,000
			E	Electric Service - Provide Arc Flash Study	
Def Main	t 3				\$39,000
Def Main	t	3	E	Provide 100KW Generator for emergency and life safety needs.	\$62,500
Def Main	+	3	E	Interior Lighting - Add occpancy sensors for control of lights & HVAC	¢15 000
Dei Iviaii			E	Upgrade Exit Signs to LED	\$15,000
Def Main	t	3		opgrade Exit Signs to EED	\$18,750
Def Main	t	3	E	Exterior Lighting - Change to LED	\$12,500
			T	Upgrade PA system (to be compatable with digital telephone system)	
Def Main	t 1				\$31,250

Northfield Middle School

Deferred Maintenance

					The state of the s	
E41	Def Maint	1		S	Concrete sidewalk replacement and repairs	\$21.250
Toronto School	Dei Maint	' '		s	Devemont everley, erock and remains (2017)	\$31,250
	Def Maint	4		0	Pavement overlay, crack seal, repairs (2017)	#20 000
	Dei Mairit	1		S	Sitework - Resurface tennis courts	\$20,000
All dreeps	Def Maint	1 1		٥	Silework - Resurface tennis courts	\$33,750
	Remodeling					\$0
	1 - Consideration Level	TOTAL PRE	LIMINARY	PRO	DJECT COST ESTIMATE - CONSIDERATION LEVEL 1	\$500,000
	2 - Consideration Level	TOTAL PRE	LIMINARY	PRO	DJECT COST ESTIMATE - CONSIDERATION LEVEL 2	\$2,437,500
	3 - Consideration Level	TOTAL PRE	LIMINARY	PRO	DJECT COST ESTIMATE - CONSIDERATION LEVEL 3	\$180,700
		TOTAL PR	LIMINARY	PR	OJECT COST ESTIMATE - CONSIDERATION LEVELS 1, 2 & 3	\$3,118,200
			Arch Lev	rel 1	\$383,800	
			Mech Lev	rel 1	\$0	
			Elec Lev	rel 1	\$0	
			Tech Lev	rel 1	\$0	
		基层设备 集	Site Lev	rel 1	\$85,000	
		F 55 F	Remodel Lev	rel 1	\$0	
		55555	Addition Lev	/el 1	\$0	
			Total Lev	/el 1	\$468,800	
	1 - E, E. Consid, Level	TOTAL PRE	LIMINARY	PR	DJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVEL 1	\$0
	2 - E, E, Consid, Level	TOTAL PRE	LIMINARY	PR	DJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVEL 2	\$0
	3 - E. E. Consid. Level	TOTAL PRE	ELIMINARY	PR	DJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVEL 3	\$233,800
		TOTAL PRI	ELIMINARY	PR	OJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVELS 1, 2 & 3	\$233,800
	The state of the s				OJECT COST ESTIMATE	\$3,352,000
		La se s				
Other Fac	tors to Consider:	45623	1111			子图序复数
Hazardou	s Material Clean-up Costs					
Legal / Int	erest Costs, and Special C	onstruction S	Services			
			(T. 2 J. L.		© ATS&R Planners Architects Engineers 2014	

Northfield High School Deferred Maintenance

Owner		Consid.	E.E. Consid.		Harris Commence
Provided		Level	Level	Item Description	Project Cost
1000	Addition	2	AD	Storage under football stadium bleachers	\$117.200
	Addition		A	Exterior wall repair @ gym, music and roof level (2014) NOTE ongoing	\$117,300
	Def Maint	1		investigation	\$337,500
			А	Exterior wall repair @ Units H & S (2016)	
	Def Maint	11			\$150,000
	Def Maint	1	A	Exterior wall repair @ center wing, east entrance and north courtyard (2019)	\$100,000
	Derivant	<u> </u>	A	Exterior wall repair @ Unit D and east courtyard (2020)	ψ100,000
	Def Maint	1		, , , ,	\$125,000
			Α	Exterior wall repair @ west courtyard (2021)	
	Def Maint	11		E 4 de la companya de	\$118,750
	Def Maint	1	A	Exterior wall repair @ Units M and V, auditorium and cafeteria (2022)	\$93,750
	Derivant	1	l _A	Exterior wall repair; caulk and minor tuck pointing (2016)	\$93,730
	Def Maint	1		The state of the s	\$37,500
			Α	Window replacement @ gym, music and roof level (2014)	
	Def Maint	11			\$118,750
	Def Maint	1	A	Window replacement @ Units H & S (2016)	\$187,500
	Del Maint		l _A	Window replacement @ center wing, east entrance and north courtyard (2019)	\$107,500
	Def Maint	1		Things replacement (g) content ming, cast sintance and noting county and (2010)	\$400,000
			А	Window replacement @ Unit D and east courtyard (2020)	
	Def Maint	11			\$256,250
	Dof Maint	1	A	Window replacement @ west courtyard (2021)	\$56.250
	Def Maint	1 1	l A	Gym door replacement (2015)	\$56,250
	Def Maint	1		Sylli door ropidoomoni (2010)	\$150,000
			A	Replace classroom movable wall divider (2015)	
	Def Maint	1	ļļ		\$24,000
	DefMeint		A	Replace roof; media center and locker rooms (2019-2020)	#0.40.750
	Def Maint	2	M	Plumbing - Replacement of domestic water heater system in boiler room	\$243,750
	Def Maint	1		Transing Tropiasoment of domestic water fleater system in boller foom	\$80,000

Northfield High School Deferred Maintenance

				belefied Maintenance	
			M	Plumbing - Replace existing water softener with total building softener	
	Def Maint	2			\$38,750
			М	Plumbing - New drinking fountain in weight room (2014)	
	Def Maint	3			\$6,250
			М		7-,
	Def Maint	1 1		HVAC - HW heating system leak repair (Glycol system)	\$16,875
	DCI Want	1	——————————————————————————————————————	Trivio - Trivincating system teak repair (Grycor system)	\$10,073
1	D - 6 B 6 - i - 4	_	'''	IIIVAC Devile correct of ALILIE (2) for North and Coult Court	0000 750
	Def Maint	2		HVAC - Replacement of AHU's (2) for North and South Gym	\$268,750
			M		
	Def Maint	2		HVAC - Locker Room Ventilation Upgrade (includes outside air component)	\$188,750
			M		
	Def Maint	2		HVAC - New AHU for Music Area (change from MZ to VAV)	\$127,500
			M		
	Def Maint	2		HVAC - New AHU for Gymnastics Area	\$66,250
			М		, ,
	Def Maint	2		HVAC - New AHU for Wrestling Area	\$52,500
	Dormana	 	М	THE TOWN THE TOT THOUGHING FROM	Ψ02,000
	Def Maint	3	'"	HVAC - Add AC to Weight Training AHU	£47 E00
	Del Maint	 	М	TIVAC - Add AC to Weight Hairling Arto	\$47,500
	5		IVI	LINARO NI ALIGIE II III A	
	Def Maint	2		HVAC - New AHU for Health Area	\$41,250
			М		
	Def Maint	2		HVAC - Replace AHU for HS Office	\$57,500
			M		
	Def Maint	2		HVAC - Add ventilation to Nurse's Area at HS Office	\$47,500
			М		1,
	Def Maint	3		HVAC - Convert District Office from CV AHU to VAV system	\$327,500
	Doi Want		М	111716 Convert Blother Child Holl CV 7410 to V74 Gystom	Ψ021,000
	Dof Maint		'''	HVAC - Dadastal Fin Tuba Danlacement at Countyard	€44.07E
	Def Maint	2		HVAC - Pedestal Fin Tube Replacement at Courtyard	\$11,875
			М		
	Def Maint	3	<u></u> _	HVAC - Change pneumatic actuators to DDC for Control Dampers and Valves	\$375,000
1			М		
	Def Maint	3		HVAC - Clean and seal existing ductwork	\$31,250
	1		M		
	Def Maint	3	ļ	HVAC - Test and Balance	\$37,500
					-

Northfield High School

Deferred Maintenance

					otorred Maintenance	
				M		
	Def Maint	3		İ	HVAC - Commissioning	\$18,750
				E	Electric Service - Provide Arc Flash Study	V.0,1.00
	D - 6 M - frad			1	2 course out the first flag in classification of the course of the cours	
	Def Maint	3				\$50,730
				E		
	Def Maint	3	<u> </u>	_	Switchboards / Panelboards - Replace 1964 switchboard and panels	\$56,250
				E		
	Def Maint		3		Provide 100KW Generator for emergency and life safety needs.	\$62,500
				E		
1	Def Maint	ļ	3		Interior Lighting - Add occpancy sensors for control of lights & HVAC	\$10,000
				E	Upgrade Exit Signs to LED	
	Def Maint		3			\$12,500
				E		Ţ._,000
	Def Maint		3	-	Exterior Lighting - Change to LED	\$15,625
	Doi Maint		<u> </u>	\dashv_{T}	Upgrade PA system (to be compatable with digital telephone system)	Ψ10,020
	5 (14) .			'	opgrade (A System (to be compatable with digital telephone system)	
	Def Maint	1	<u> </u>			\$37,500
	5 (14) (S	Bituminous Paving - crack seal / seal coat (2013, 2015)	
55 SE SE SE	Def Maint	1	<u> </u>	ا ہ		\$46,250
	D CM -t-4			S	Bituminous Paving - blacktop south 40 (2020)	0.400 500
	Def Maint	2				\$122,500
	5 (14) (S	Bituminous Paving - overlay / repairs (2013, 2015)	
250	Def Maint	1 1	ļ			\$582,500
				S	Sitework - 2 new portable bleachers	
	Def Maint	2		4_		\$16,250
				S	Sitework - New backstop on Varsity BB field	
	Def Maint	111	ļ			\$13,750
				S	Sitework - Resurface HS tennis courts	
	Def Maint	1				\$90,000
				S	Sitework - Fencing repair at BB and SB fields	
	Def Maint	11				\$34,750
				S	Sitework - improve drainage at baseball fields	
	Def Maint	1				\$25,000
				S	Sitework - install wall and netting @ varsity baseball field	
	Def Maint	1				\$37,500
				S	Sitework - install irrigation on JV baseball and softball fields and last SB field	
	Def Maint	3			(2021)	\$56,535

488	N	ORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT	
		Northfield High School	- The state of the
		Deferred Maintenance	
	1 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 1	\$3,119,400
	2 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 1	\$1,400,400
2924E765	3 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 3	\$1,007,300
	8 - Bolisideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVELS 1, 2 & 3	\$5,527,100
		Arch Level 1 \$2,155,300	\$3,327,100
		Mech Level 1 \$96,900	
		Elec Level 1 \$0	
		Tech Level 1 \$37,500	
		Site Level 1 \$829,800	a Barbara
		Remodel Level 1 \$0	
		Addition Level 1 \$0	
		Total Level 1 \$3,119,500	
50 S. S. S.	1 - E, E, Consid, Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVEL 1	\$0
	2 - E. E. Consid, Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVEL 2	\$0
	3 - E. E. Consid. Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVEL 3	\$100,600
		TOTAL PRELIMINARY PROJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVELS 1, 2 & 3	\$100,600
		TOTAL PRELIMINARY PROJECT COST ESTIMATE	\$5,627,700
	ALL WILL SELECT THE SE		
\$1000000000000000000000000000000000000	ctors to Consider:		
	ıs Material Clean-up Costs		
Legal / In	terest Costs, and Special C	construction Services	

© ATS&R Planners Architects Engineers 2014

Bridgewater Elementary School Educational Adequacy Needs

Consid. Level	Item Description					
A The state of the	Kindergarten rooms are small, no toilets (4 @ 887 s.f. ea.)					
	Title I room - lost space due to all day kindergarten					
	E.S.L. classroom					
	Special classrooms are smal - Read 180, Title I (3), Math Corp., Reading Corp., DHH, Spec. Ed.					
	Band storage					
	Controlled entry - currently have a video door station with locking door					
	Share gym with HS track & pole vault					
	Access drive too narrow - parents line up to pick up student and block drive, extends onto Jefferson Pkwy.					

Greenvale Park Elementary School Educational Adequacy Needs

Consid. Level	Item Description							
	Kindergarten rooms are small (4 @ 860 s.f. ea.)							
	SMART Gym - lost due to DDC E.L. / A.B.E. space							
etili-	Storage space - currently use an exterior metal storage container							
	Exiting through classrooms - need to provide a clear unobstructed exit route							
	Open classroom design poses lockdown concern							
	Interior classrooms reduce amount of daylight - building is dark							
	Share gym with HS dance team							
	Controlled entry - currently have a video door station with locking door							

Sibley Elementary School Educational Adequacy Needs

Consid. Level	Item Description
	Kindergarten rooms are small (3 @ 893 s.f. ea.)
	E.S.L. room is small
40.00	R.T.I. / Math Corp. room is small
***************************************	Speech room is small
	Rehersal space needed
	Orchesra/band storage space needed
	Share gym with HS basketball

Longfellow ALC / Early Childhood Educational Adequacy Needs

Consid. Level	Item Description							
	Lower Level Boys and Girls toilet rooms are not handicap accessible							
	Lower Level office is not handicap accessible							
	Size of Lower Level space restricts daycare enrollment							
	Size of Ground Level space restricts E.C.S.E. programs offered							
	Locate all Disttrict E.C.F.E. / A.B.E. programs in one facility							
	5-10 additional parking spaces needed							
	Provide bus drop-off on east side of buildnig; move buses off of public street							

	Northfield Middle School Educational Adequacy Needs						
nsid. Level	Item Description						
	Cafeteria is small						
	Science classroom needed in 6th Grade house (First and Second Floors)						
	Access drive too narrow - parents line up to pick up student and block drive, causes congestion at intersection of access drive and Hwy. 246						

Northfield High School Educational Adequacy Needs

Consid. Level	Item Description
A THE STATE OF THE	Chemistry lab needed
	District Officee controlled entry - currently have a video door station with locking door
	High School Main Office controlled entry - currently have a video door station with locking door
	Main Office - Guidance office is small, lacking appropriate office spaces for Police Liaison, Chemical Health and Campus Supervisor.
	Record Storage room is remote and not handicap accessible
	Staff planning areas are under utilized, many used as storage areas
	Cafeteria and kitchen are small
	Congestion at corridor intersections
	Project Lead the Way lab is small
	Music Suite is not handicap accessible - must travel through the new dance studio
	Music Suite practice rooms are not handicap accessible - they are located in an upper level mezzanine
	Orchestra and Orchestra Storage Rooms needed - currently share space with Choir
	Phy Ed. / Gymnasium space needed - too many of the Phy Ed. spaces are specialized
	Boys and Girls locker rooms are difficult to supervise, additional athletic lockers are needed

NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT
Northfield High School
Educational Adequacy Needs
Boys and Girls locker room toilets and showers are not handicap accessible
Boys locker room has an accessibility concern - must walk through main gymnasium to access locker room
Health Classroom M115 is remote from Phy Ed. stations (which impacts student travel times)
Rock House is not handicap accessible, lost class time due to remote location, transportation costs, secu concerns
Site space constraints - lack of space requires teams to practice at elementary school sites, Lacrosse tear
must practice off-site, Lacrosse team cannot play games in stadium (due to damage it would cause to field
Site space constraints - softball outfield overlaps with practice soccer/football field
 Site drainage problems, low spots
15 additional parking spces needed at main entry visito parking area
Main entry identity signage needs to be improved- difficult to see
Traffic congestion at main entry, difficult to take a left turn onto Hwy. 246