

**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 |

**NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT**

**DEFERRED MAINTENANCE SUMMARY**

**8/13/2014**

	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
	<b>Total</b>	<b>\$10,087,900</b>	<b>\$0</b>	<b>\$4,050,400</b>	<b>\$0</b>	<b>\$2,506,600</b>	<b>\$523,500</b>	<b>\$17,168,400</b>

**Deferred Maint. Considerations**

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

**Energy Efficiency Considerations**

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

**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

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NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT

Bridgewater Elementary School

Deferred Maintenance

Owner Provided		Consid. Level	E.E. Consid. Level		Item Description	Project Cost
	Def Maint	3		A	Exterior wall repair; joint sealant replacement with minor tuck pointing (2022)	\$62,500
	Def Maint	1		A	Roof repair (2014 & 2015)	\$10,000
	Def Maint	1		A	Replace roof (2017)	\$1,562,500
	Def Maint	1		A	Carpet repairs or replacement; D primary wing (2015)	\$42,500
	Def Maint	1		A	Carpet repairs or replacement; remainder of building	\$50,000
	Def Maint	1		M	HVAC - Add ventilation to 3 small classrooms (converted storage rooms)	\$57,000
	Def Maint	3		M	HVAC - Add AC for Gym AHU	\$52,500
	Def Maint	3		M	HVAC - Change pneumatic actuators to DDC for Control Dampers and Valves	\$137,500
	Def Maint	3		E	Electric Service - Provide Arc Flash Study	\$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
	Def Maint		3	E	Upgrade Exit Signs to LED	\$7,813
	Def Maint		3	E	Exterior Lighting - Provide LED Lights	\$9,375
	Def Maint	1		T	Upgrade PA system (to be compatible with digital telephone system)	\$9,375
						\$0
						\$1

NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT

Bridgewater Elementary School

Deferred Maintenance

	1 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 1	\$1,731,400
	2 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 2	\$0
	3 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 3	\$268,300
		<b>TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVELS 1, 2 &amp; 3</b>	<b>\$1,999,700</b>
		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. 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	\$67,200
		<b>TOTAL PRELIMINARY PROJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVELS 1, 2 &amp; 3</b>	<b>\$67,200</b>
		<b>TOTAL PRELIMINARY PROJECT COST ESTIMATE</b>	<b>\$2,066,900</b>
Other Factors to Consider:			
Hazardous Material Clean-up Costs			
Legal / Interest Costs, and Special Construction Services			
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NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT

Greenvale Park Elementary School

Deferred Maintenance

Owner Provided		Consid. Level	E.E. Consid. Level		Item Description	Project Cost
	Def Maint	1		A	Exterior wall repair; limestone 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		M	Plumbing - Replace foot operated semi-circular wash fountains with new sensor activated wash fountains	\$50,000
	Def Maint	3		M	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		M	HVAC - remove oil storage tank and system	\$3,750
	Def Maint	1		M	HVAC - Replace MZ AHU A-1 serving Admin area with VAV system	\$112,500
	Def Maint	1		M	HVAC - Replace MZ AHU A-2 serving Kindergarten/ Music area with VAV System	\$184,375
	Def Maint	1		M	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		M	HVAC - Replace AHU A-3 serving Boiler Room with new AHU	\$62,625
	Def Maint	1		M	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		M	HVAC - Replace AHU A-6 serving the Locker Rooms with new AHU	\$67,750
	Def Maint	1		M	HVAC - Change pneumatic actuators to DDC for Radiation Control Valves	\$18,750
	Def Maint	1		M	HVAC - Clean and seal existing ductwork	\$41,875

NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT

Greenvale Park Elementary School

Deferred Maintenance

	Def Maint	1		M	HVAC - Test and Balance	\$50,250
	Def Maint	1		M	HVAC - Commissioning	\$25,125
	Def Maint	3		E	Electric Service - Provide Arc Flash Study	\$12,563
	Def Maint	3		E	Switchboards / Panelboards - Replace old switchboard and panels.	\$78,750
	Def Maint		3	E	Interior Lighting - Add occupancy sensors	\$8,500
	Def Maint		3	E	Upgrade Exit Signs to LED	\$10,625
	Def Maint		3	T	Upgrade PA system (to be compatible with digital telephone system)	\$9,375
	Def Maint	1		S	Concrete replacement and repairs	\$7,500
	Def Maint					
						\$1
	1 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 1				\$2,828,400
	2 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 2				\$0
	3 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 3				\$305,100
		TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVELS 1, 2 & 3				\$3,133,500.00
		Arch Level 1				\$100,000
		Mech Level 1				\$2,720,900
		Elec Level 1				\$0
		Tech Level 1				\$0
		Site Level 1				\$7,500
		Remodel Level 1				\$0
		Addition Level 1				\$0
		Total Level 1				\$2,828,400
	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				\$28,500

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					
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**NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT**

**Sibley Elementary School**

**Deferred Maintenance**

Owner Provided		Consid. Level	E.E. Consid. Level		Item Description	Project Cost
	Def Maint	1		A	Exterior wall repair (2017)	\$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
	Def Maint	2		A	Interior Finishes - New flooring in 1992 addition (2018 & 2020)	\$93,750
	Def Maint	2		A	Interior Finishes - Replace carpet in office and computer labs (2017)	\$43,750
	Def Maint	1		A	Miscellaneous Equipment - Replace window blinds (2015)	\$6,250
	Def Maint	2		M	Plumbing - Replace classroom sinks (bubbler must have at least an 18-inch separation from any faucet spout - Plumbing Code)	\$50,000
	Def Maint	1		M	HVAC - Remove existing LP vaporizer and tank for backup fuel for boilers	\$43,750
	Def Maint	3		M	HVAC - Replace AHU's for East and West Gyms	\$236,500
	Def Maint	3		M	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
	Def Maint	3		M	HVAC - New AHU/ERU for Locker Rooms	\$70,500
	Def Maint	3		M	HVAC - Change pneumatic actuators to DDC for Control Dampers and Valves	\$137,500
	Def Maint	1		M	HVAC - Improve exhaust for dishwasher area with new exhaust fan	\$10,000
	Def Maint	1		M	HVAC - Replace original exhaust fans (2015)	\$20,000
	Def Maint	3		E	Electric Service - Provide Arc Flash Study	\$14,222

**NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT**

Sibley Elementary School

## Deferred Maintenance

	Def Maint		3	E	Interior Lighting - Add occupancy for control of lights and HVAC	\$6,875
	Def Maint		3	E	Upgrade Exit Signs to LED	\$8,438
	Def Maint		3	E	Exterior Lighting - LED	\$25,000
	Def Maint	1		T	Upgrade PA system (to be compatible with digital telephone system)	\$9,375
	Def Maint	1		S	Bituminous Paving - overlay / repairs (2015)	\$242,500
	Def Maint	1		S	Bituminous Paving - Additional parking lot for 20 cars in front (2017)	\$150,000
	Def Maint					
						\$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
Other Factors to Consider:						
Hazardous Material Clean-up Costs						

NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT

Sibley Elementary School

Deferred Maintenance

Legal / Interest Costs, and Special Construction Services

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**NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT**

**Longfellow ALC / Early Childhood**

**Deferred Maintenance**

Owner Provided		Consid. Level	E.E. Consid. Level		Item Description	Project Cost
	Def Maint	1		A	Exterior wall repair (2015)	\$87,500
	Def Maint	1		A	Exterior window and door replacement in 1948 bldg. - Phases I, II and III (2015, 2016, 2017)	\$812,500
	Def Maint	1		A	Exterior window and door replacement in 1962 bldg. (2018)	\$175,000
	Def Maint	1		A	Replace classroom doors (2014, 2015, 2016)	\$18,750
	Def Maint	2		A	Miscellaneous Equipment - New cabinets and countertops in elementary areas	\$25,000
	Def Maint	3		M	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		T	Upgrade PA system (to be compatible with digital telephone system)	\$9,375
	Def Maint	1		S	Bituminous Paving - overlay / repairs (2016)	\$80,000
						\$1
	1 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 1				\$1,183,100
	2 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 2				\$25,000
	3 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 3				\$111,200

NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT

Longfellow ALC / Early Childhood

Deferred Maintenance

		<b>TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVELS 1, 2 &amp; 3</b>	<b>\$1,319,300</b>
		Arch Level 1	\$1,093,800
		Mech Level 1	\$0
		Elec Level 1	\$0
		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. 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	\$53,100
		<b>TOTAL PRELIMINARY PROJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVELS 1, 2 &amp; 3</b>	<b>\$53,100</b>
		<b>TOTAL PRELIMINARY PROJECT COST ESTIMATE</b>	<b>\$1,372,400</b>
Other Factors to Consider:			
Hazardous Material Clean-up Costs			
Legal / Interest Costs, and Special Construction Services			
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NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT

Northfield Middle School

Deferred Maintenance

Owner Provided		Consid. Level	E.E. Consid. Level		Item Description	Project Cost
	Addition	3		AD	Cold storage and salt / sand storage	\$110,400
	Def Maint	1		A	Exterior wall repair; recaulk building exterior (2016)	\$62,500
	Def Maint	1		A	Exterior wall repair; tuck pointing (2023)	\$156,250
	Def Maint	2		A	Replace roof (2020)	\$2,437,500
	Def Maint	1		A	Interior Finishes - Paint gyms (2015)	\$18,750
	Def Maint	1		A	Interior Finishes - Sand gym floors and repaint lines (2015)	\$20,000
	Def Maint	1		A	Interior Finishes - Pool resurfacing (2016)	\$115,000
	Def Maint	1		A	Miscellaneous Equipment - Replace window blinds / window coverings (2014, 2016, 2018, 2020)	\$11,250
	Def Maint	3		A	Miscellaneous Equipment - Wrestling mat hoist for auxiliary gym (2015)	\$31,250
	Def Maint		3	M	HVAC - Reclassify Building to delete pneumatic smoke dampers	\$125,000
	Def Maint	3		E	Electric Service - Provide Arc Flash Study	\$39,000
	Def Maint		3	E	Provide 100KW Generator for emergency and life safety needs.	\$62,500
	Def Maint		3	E	Interior Lighting - Add occupancy sensors for control of lights & HVAC	\$15,000
	Def Maint		3	E	Upgrade Exit Signs to LED	\$18,750
	Def Maint		3	E	Exterior Lighting - Change to LED	\$12,500
	Def Maint	1		T	Upgrade PA system (to be compatible with digital telephone system)	\$31,250

NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT

Northfield Middle School
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Deferred Maintenance									
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	Def Maint	1		S	Concrete sidewalk replacement and repairs	\$31,250
	Def Maint	1		S	Pavement overlay, crack seal, repairs (2017)	\$20,000
	Def Maint	1		S	Sitework - Resurface tennis courts	\$33,750
	Remodeling					\$0
	1 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 1				\$500,000
	2 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 2				\$2,437,500
	3 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 3				\$180,700
		<b>TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVELS 1, 2 &amp; 3</b>				<b>\$3,118,200</b>
		Arch Level 1				\$383,800
		Mech Level 1				\$0
		Elec Level 1				\$0
		Tech Level 1				\$0
		Site Level 1				\$85,000
		Remodel Level 1				\$0
		Addition Level 1				\$0
		Total Level 1				\$468,800
	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				\$233,800
		<b>TOTAL PRELIMINARY PROJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVELS 1, 2 &amp; 3</b>				<b>\$233,800</b>
		<b>TOTAL PRELIMINARY PROJECT COST ESTIMATE</b>				<b>\$3,352,000</b>
Other Factors to Consider:						
Hazardous Material Clean-up Costs						
Legal / Interest Costs, and Special Construction Services						
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**NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT**

**Northfield High School**

**Deferred Maintenance**

Owner Provided		Consid. Level	E.E. Consid. Level		Item Description	Project Cost
	Addition	2		AD	Storage under football stadium bleachers	\$117,300
	Def Maint	1		A	Exterior wall repair @ gym, music and roof level (2014) NOTE ongoing investigation	\$337,500
	Def Maint	1		A	Exterior wall repair @ Units H & S (2016)	\$150,000
	Def Maint	1		A	Exterior wall repair @ center wing, east entrance and north courtyard (2019)	\$100,000
	Def Maint	1		A	Exterior wall repair @ Unit D and east courtyard (2020)	\$125,000
	Def Maint	1		A	Exterior wall repair @ west courtyard (2021)	\$118,750
	Def Maint	1		A	Exterior wall repair @ Units M and V, auditorium and cafeteria (2022)	\$93,750
	Def Maint	1		A	Exterior wall repair; caulk and minor tuck pointing (2016)	\$37,500
	Def Maint	1		A	Window replacement @ gym, music and roof level (2014)	\$118,750
	Def Maint	1		A	Window replacement @ Units H & S (2016)	\$187,500
	Def Maint	1		A	Window replacement @ center wing, east entrance and north courtyard (2019)	\$400,000
	Def Maint	1		A	Window replacement @ Unit D and east courtyard (2020)	\$256,250
	Def Maint	1		A	Window replacement @ west courtyard (2021)	\$56,250
	Def Maint	1		A	Gym door replacement (2015)	\$150,000
	Def Maint	1		A	Replace classroom movable wall divider (2015)	\$24,000
	Def Maint	2		A	Replace roof; media center and locker rooms (2019-2020)	\$243,750
	Def Maint	1		M	Plumbing - Replacement of domestic water heater system in boiler room	\$80,000

NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT

Northfield High School

Deferred Maintenance

	Def Maint	2		M	Plumbing - Replace existing water softener with total building softener	\$38,750
	Def Maint	3		M	Plumbing - New drinking fountain in weight room (2014)	\$6,250
	Def Maint	1		M	HVAC - HW heating system leak repair (Glycol system)	\$16,875
	Def Maint	2		M	HVAC - Replacement of AHU's (2) for North and South Gym	\$268,750
	Def Maint	2		M	HVAC - Locker Room Ventilation Upgrade (includes outside air component)	\$188,750
	Def Maint	2		M	HVAC - New AHU for Music Area (change from MZ to VAV)	\$127,500
	Def Maint	2		M	HVAC - New AHU for Gymnastics Area	\$66,250
	Def Maint	2		M	HVAC - New AHU for Wrestling Area	\$52,500
	Def Maint	3		M	HVAC - Add AC to Weight Training AHU	\$47,500
	Def Maint	2		M	HVAC - New AHU for Health Area	\$41,250
	Def Maint	2		M	HVAC - Replace AHU for HS Office	\$57,500
	Def Maint	2		M	HVAC - Add ventilation to Nurse's Area at HS Office	\$47,500
	Def Maint	3		M	HVAC - Convert District Office from CV AHU to VAV system	\$327,500
	Def Maint	2		M	HVAC - Pedestal Fin Tube Replacement at Courtyard	\$11,875
	Def Maint	3		M	HVAC - Change pneumatic actuators to DDC for Control Dampers and Valves	\$375,000
	Def Maint	3		M	HVAC - Clean and seal existing ductwork	\$31,250
	Def Maint	3		M	HVAC - Test and Balance	\$37,500

NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT

Northfield High School

Deferred Maintenance

	Def Maint	3		M	HVAC - Commissioning	\$18,750
	Def Maint	3		E	Electric Service - Provide Arc Flash Study	\$50,730
	Def Maint	3		E	Switchboards / Panelboards - Replace 1964 switchboard and panels	\$56,250
	Def Maint		3	E	Provide 100KW Generator for emergency and life safety needs.	\$62,500
	Def Maint		3	E	Interior Lighting - Add occupancy sensors for control of lights & HVAC	\$10,000
	Def Maint		3	E	Upgrade Exit Signs to LED	\$12,500
	Def Maint		3	E	Exterior Lighting - Change to LED	\$15,625
	Def Maint	1		T	Upgrade PA system (to be compatible with digital telephone system)	\$37,500
	Def Maint	1		S	Bituminous Paving - crack seal / seal coat (2013, 2015)	\$46,250
	Def Maint	2		S	Bituminous Paving - blacktop south 40 (2020)	\$122,500
	Def Maint	1		S	Bituminous Paving - overlay / repairs (2013, 2015)	\$582,500
	Def Maint	2		S	Sitework - 2 new portable bleachers	\$16,250
	Def Maint	1		S	Sitework - New backstop on Varsity BB field	\$13,750
	Def Maint	1		S	Sitework - Resurface HS tennis courts	\$90,000
	Def Maint	1		S	Sitework - Fencing repair at BB and SB fields	\$34,750
	Def Maint	1		S	Sitework - improve drainage at baseball fields	\$25,000
	Def Maint	1		S	Sitework - install wall and netting @ varsity baseball field	\$37,500
	Def Maint	3		S	Sitework - install irrigation on JV baseball and softball fields and last SB field (2021)	\$56,535

**NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT**

## Northfield High School

## 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 2				\$1,400,400
	3 - Consideration Level	TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVEL 3				\$1,007,300
		<b>TOTAL PRELIMINARY PROJECT COST ESTIMATE - CONSIDERATION LEVELS 1, 2 &amp; 3</b>				<b>\$5,527,100</b>
		Arch Level 1				\$2,155,300
		Mech Level 1				\$96,900
		Elec Level 1				\$0
		Tech Level 1				\$37,500
		Site Level 1				\$829,800
		Remodel Level 1				\$0
		Addition Level 1				\$0
		Total Level 1				\$3,119,500
	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
		<b>TOTAL PRELIMINARY PROJECT COST ESTIMATE - ENERGY EFFICIENCY CONSID. LEVELS 1, 2 &amp; 3</b>				<b>\$100,600</b>
		<b>TOTAL PRELIMINARY PROJECT COST ESTIMATE</b>				<b>\$5,627,700</b>
Other Factors to Consider:						
Hazardous Material Clean-up Costs						
Legal / Interest Costs, and Special Construction Services						
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NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT

Bridgewater Elementary School  
Educational Adequacy Needs

Consid. Level	Item Description
	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.

NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT

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
	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

NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT

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
	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

NORTHFIELD PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT

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 District 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 PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT

Northfield Middle School  
Educational Adequacy Needs

Consid. 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 PUBLIC SCHOOLS, I.S.D. #659 - DISTRICT-WIDE FACILITY ASSESSMENT

Northfield High School  
Educational Adequacy Needs

Consid. Level	Item Description
	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 , security concerns
	Site space constraints - lack of space requires teams to practice at elementary school sites, Lacrosse team 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 spaces needed at main entry visitor 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