

- The Association for Learning Environments has designated the establishment of an independent commission to create, set policy for, and govern the ALEP program.
- The Accredited Learning Environment Planner (ALEP) is the professional designation of the Association and signifies excellence in the industry.
- The ALEP Commission shall consist of representatives of each geographical region of the Association and up to three subject matter experts that are designated by the Commission to serve.

What We Do

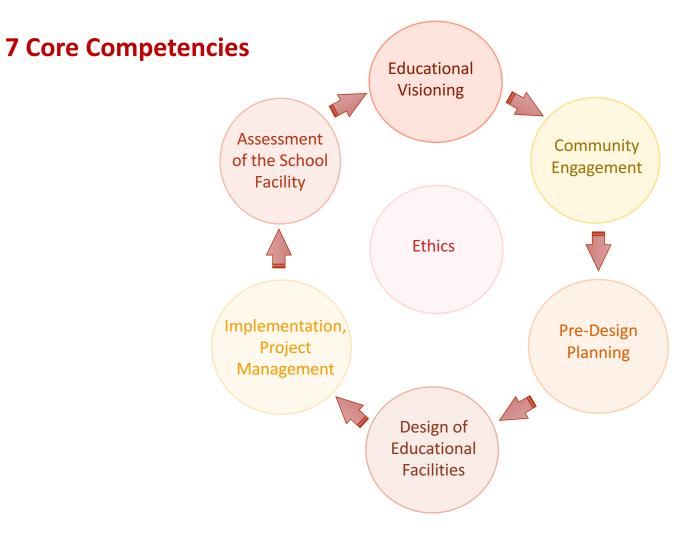


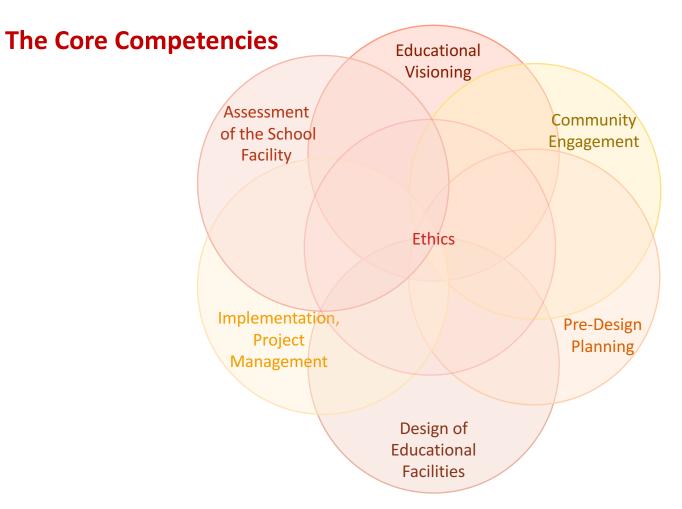
- Developed Core Competencies that define the Accreditation
- Uphold the standards of the ALEP
- Maintain Relevance of the ALEP
- Standardize the Process of the ALEP
- Assess the Candidates
- Increase the Value of the ALEP

Two Pathways to Accreditation

- LearningSCAPES 2019
- 1) Complete the Advanced Academy Certificate Program
 - Achieve at least an 80% achievement in each of the six modules.
- 2) ALEP Assessment Process
 - Meet the Eligibility Requirements
 - Register and attest to the standards of the ALEP
 - Submit a Portfolio of your professional experience from the last 5 years
 - Document 100 hours of Continuing Education
 - Provide Letters of Recommendation
 - Interview with members of the Commission

- Educational Visioning
- Community Engagement
- Educational Facility Pre-Design Planning
- Design of Educational Facilities
- Educational Facility Implementation, Project Management/ Project Delivery
- Assessment of the School Facility
- Ethics / Professionalism







Exhibits an understanding of best and next practices related to educational leadership, programming, teaching, learning, planning and facility design.

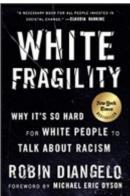
Establishes credibility with educators, community members and design professionals while conceiving and leading a community-based visioning process.

Demonstrates the ability to articulate the impact of learning environments on teaching and learning and uses that ability to facilitate a dialogue that uncovers the unique needs and long-range goals of an educational institution and its stakeholders – translating that into an actionable written/graphic program of requirements for the design practitioner.

Understanding Best Practices in Education

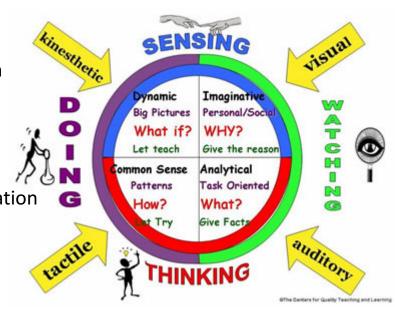
- Attend/participate in School Board/ Administrative Events
- Time in schools w/ teachers
- Volunteer work tutoring, mentoring, etc
- Participation in continuing education
- Study/share current pedagogical practices





Understanding Best AND Next Practices

- What are schools of education teaching?
- Future trends in pedagogy
- Futurist visions of education's place in society
- Evolving technologies in education
- Learning occurs everywhere what's happening outside the classroom







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Establishing Credibility and Lead the Process

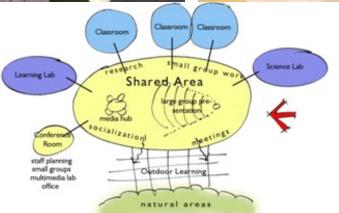
- Be a "known entity": lecture, listen, lead, publish
- Share your body of work
- Practice empathy view the world through another lens
- Build a clear and effective planning process
- Be a skilled facilitator



Actionable written/graphic program









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Actionable written/graphic program



Goals



Goals

Public Schools

Goals

A Place for Children, Families & Community Connections



- An invitation to students, families and the community: You are welcome here
- A school that says to all children of all abilities: We knew you were coming

A Focus on Child-Centered Learning for Life



- A school that affords opportunities for choice, both inside and out
- Building as an instrument for learning and play

An Opportunity for Play for Every Child



- Support opportunities for movement and play throughout the day: during learning, during transitions, at all times
- A focus on fund

- A flagship of our future, a place for everyone
- A resource beyond the school day for students, families and the community
- A reflection of our FME community: We are less "other" and more "one"



- Design for learning spaces to have a gentle rear, infused with art, choice, and play
- Building supports time to slow down during the day
- Flexible places throughout the school that support flexible ways to learn throughout a student's life



- A variety of places to play with a variety of ways to play, age appropriate for our youngest and oldest learners
- Places for structured, imaginary, and "rough and tumble" play both inside and out
- Connection to nature and places for nature play



integrus

New Fife Elementary School #4

integrus

New Fife Elementary School #4

integrus

New Fife Elementary School #4

Community Engagement



Leads community-wide research processes through group facilitation, strategic conversations, qualitative and quantitative surveys, along with board and administrative workshops to discover, articulate and communicate a community-based foundational vision that will form the basis of a plan for the design of learning environments.

Demonstrates the skill to resolve stakeholder issues while embedding a community's unique vision into the vision for its schools.



TOPICS / KNOWLEDGE AREAS

- Communication
- Leadership
- Group Facilitation
- Qualitative Research
- Quantitative Research

SKILLS

- Clearly and confidently communicates with users.
- Formulates potential courses of action to achieve objectives based on an in-depth understanding of the community and its values.
- Develops appropriate solutions based on the unique values and vision of community.
- Identifies potential implications of proposed policy options.
- Communicates to specific target audiences end user groups, contractors, administrators, consultant teams as well as industry and community constituents.
- Prioritizes and clarifies direction for project scoping and selection as well as long range planning.
- Ability to conduct and lead planning meetings and **resolve different opinions and priorities** of project interest groups, departments or stakeholders to gain consensus for desired outcomes.
- Finds innovative solutions to resolve stakeholder issues without imposing personal or professional biases, but being able to embed community's vision into a vision for the facilities.

TRAITS / CHARACTERISTICS

- Communicates in a manner which is clear, fluent and holds the audience's attention.
- Understands concerns of others and plans responses and reactions accordingly.
- Anticipates challenges and finds effective ways to address them.
- Effectively manages strong emotions in high pressure situations.
- Actively monitors personal preferences to stay open to community and user input.
- Builds and supports a balanced team that complement each other's strengths and weaknesses.
- Identifies potential issues and setbacks and guides team to optimize outcomes.
- Thorough knowledge of educational facility master planning and space usage with specific understanding of programming, design functionality, cost estimating, construction and project management.
- Communicates a vision that generates enthusiasm and commitment.
- Effectively negotiates with clients/stakeholders to achieve desired outcomes.
- Formulates and communicates public policy options and recommendations.

Community Engagement





- Manages a master planning process that combines educational planning, facilities assessment and utilization, demographic research, capital planning and educational specifications with a community-based vision to establish a plan for learning environments.
- Demonstrates the ability to translate existing or aspirational instructional models to specific programming and spatial relationships.

- Understanding of and experience with:
 - Master Planning
 - Capital Planning
 - Facility Assessment and Utilization
 - Demographics
 - Educational Specifications

Topics/Knowledge Areas

- Best Practices of Education, Planning, and Design
- Trends in Educational Planning & Theory
- Impact of Facilities on Teaching and Learning
- School Management
- Exemplary Projects
- Facility Design Trends
- Educational Technology
- Funding of Education

Skills

- 1. Ability to facilitate a dialogue to identify core needs and goals to define a successful project through a clear vision and mission.
- 2. Ability to diagnose a learning organization's needs and offer appropriate leadership and direction as required to build consensus for a shared vision.
- 3. Ability to align current thought on educational concepts from school management, curriculum and instructional delivery to physical space.
- 4. Aptitude for translating verbal description of a vision to a visual depiction.

Skills (continued)

- 5. Capacity to synthesize a graphic or verbal vision to articulate a written narrative.
- 6. Ability to translate community education program vision into language that is actionable for an architect. This involves connecting the architect and the educational community. It also means listening, distilling, refining the vision of the educational community and translating that vision for a designer.
- 7. Ability to resolve disagreements and to provide a clear path forward for learning communities.

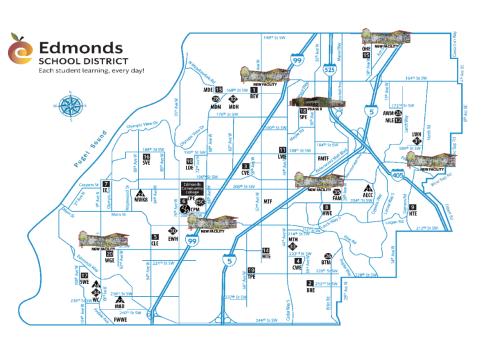
Traits/Characteristics

- Ability to build empathy with administrators, educators, staff, students and parents during the planning process.
- Judgement in determining whether a learning organization needs an expert to provide direction, a facilitator to provide support, a coach to provide guidance, or a manager who can delegate.
- Curiosity to understand the experience of district level, building level and classroom level educators, in the delivery of education from a planner's perspective.

Traits/Characteristics (continued)

- Commitment to carefully observe activities and experiences in school buildings and learning environments with district level leadership, educators, staff and students to gain a working understanding of the challenges faced by a learning community.
- Commitment to develop a working knowledge of educational culture and practice.
- Patience to listen and clearly document diverse opinions regarding educational needs and goals.

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02/20/2018 - EJP Scenario 1r Enrollment Capacity Summary Alpha Sort

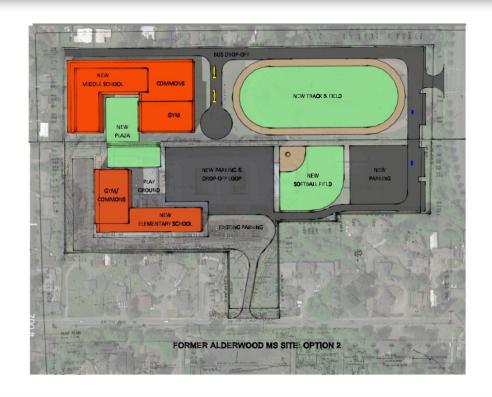


Capaci	ly Value		20	17 Affendar	ice	2022 & 2027 Enrollment and Capacity Forecasts					
Grade Level	Quad	Altendance Area / 2018-19 portable count	Adj 2018 Capacity*	2017 Building Attend- ance	2017 Enroil/ Capacity w/ Portables	2017 Enroll/ Capacity No Portables	2017 affend/ residing %	with	2027 Enroll/ Capacity with portables	2022 enroll- ment	2027 enroil men
ES	NW	Beverly - 5 portables	575	583	101.39%	128,13%	92,10%	106.68%	108,74%	613	- 6
65	SE	Brier	456	455	99.78%	99.78%	86.17%	93.54%	99.21%	427	-
65	NE	Cedar Valley	449	440	98.00%	98.00%	89.61%	107.58%	118,75%	483	- 4
62	SE	Cedar Way - 2 portables	488	564	115.57%	128,18%	85.20%	114,27%	113,45%	567	
ES	SW	Chase Lake	451	374	82.93%	82.93%	118,35%	78,99%	81.09%	356	-
ES	SW	College Place	504	499	99.01%	99.01%	84,01%	99,51%	109,01%	502	
ES	NW	Edmonds	358	334	93.30%	93.30%	75,91%	98,81%	94,36%	354	- 1
ES	NE	Hazelwood -2 portables	519	488	94.03%	103.61%	92,78%	96,71%	FE0.99	502	
ES	NE	Hilltop -2 portables	562	525	93.42%	102.14%	93,58%	102,74%	107,40%	577	-
ES	NW	Lynndale	582	438	75.26%	75.26%	86,90%	78.54%	86.31%	457	
65	NE	New Lynnwood -2018	618	525	84.95%	84.95%	84.81%	114,46%	120,08%	707	- 1
ES	NE	Martha Lake	462	468	101.30%	101.30%	92.31%	106.09%	114.08%	490	
65	NW	Meadowdale	455	533	117,14%	117,14%	99.63%	106,19%	107,29%	483	
62	58	New Mounflake Terrace 2018	486	402	82.72%	82.72%	91,16%	91,16%	97.91%	443	
ES	NE	Oak Heights - 6 portables	528	626	118.54%	143.02%	88.29%	144,31%	152,47%	762	
65	NW	Segview	396	402	101.52%	101.52%	91,99%	92,92%	90,13%	368	
ES	SW	Sherwood - 6 portobles	526	531	100,95%	139,01%	77,86%	103,61%	98,43%	545	- 1
ES	NW	New Spruce - now 6 portables*	642	543	84.58%	109.04%	82,90%	94,26%	110,02%	605	
ES	SE	Terrace Park (non-Challenge)	348	315	90.52%	90.52%	101.61%	103.95%	108,04%	362	-
ES	SW	Westgate - 5 portables	480	505	105.21%	140,28%	81,45%	113,86%	111.83%	547	
		subtotal	9,885	9,550	96.61%	105,30%	88.67%	102,89%	107,20%	10,150	10,58
65		Challenge (@TP)	330	331		Ť	100.00%	100.00%	100.00%	330	330
65		E-Learning	2	2		· ·	100,00%	100.00%	100.00%	0	0
65		Edmonds Heights E-12	225	224			100,00%	100.00%	100.00%	225	225
65		Madrona K-B	485	485		Ţ.	100.00%	100.00%	100.00%	485	485
ES		Maplewood K-B	375	373			100,00%	100.00%	100.00%	375	375
ES		SPED Contract/Unassigned	17	1.7			100,00%	100.00%	100.00%	0	0
ES		Out of District (attend multiple s	ites]	212	-					122	208
	Eleme	interv School Totals	11,319	11,194	98.90%	106,58%	103,94%	103,26%	107,77%	11.687	12.19



LearningSCAPES 2019

EDMONDS SCHOOL DISTRICT													
Potential School facilities for next bond issue	DRAFT 2 Evaluation Criteria and ratings - ICOS sort												
This version edited by:													
	Educational Suitability *	OSPI Condition Score (100 point scale - ICOS 2014)	2027 Enrollment vs Capacity w/ portables *	2027 Enrollment vs Capacity w/o portables*	Program space for intervention programs*	Separate Commons and Gym		2027 Enrollment vs Capacity w/ portables		2028 Enrollment vs Capacity w/ Gr6-8 MSs and one new ES***		Building Area (Square Feet)	
SCHOOL	~	+ 1	~	~	~	~	~	~	~	~	~	~	
College Place MS	P	75.41	G	G	P			71%	71%	TBD	50	86,790	
Edmonds ES	Р	76.86	G	G	P	N	N	94%	94%	90%	53	34,719	
College Place ES	P	76.95	Р	Р	P	N		109%	109%	92%	51	50,017	
Brier Terrace MS	F	78.74	G	G	P			84%	84%	TBD	51	88,527	
Brier ES	Р	79.68	F	F	P	N	N	99%	99%	87%	50	44,104	
Dak Heights ES	Р	81.76	U	UU	P	N		153%	209%	88%	53	51,653	
Alderwood ECC	N/A	82.36	N/A	N/A	P	N		N/A	N/A		55	36,885	
Hazelwood ES	P	83.46	F	P	P	N		99%	109%	88%	53	53,717	
Hilltop ES	Р	83.85	Р	U	P	N		107%	117%	88%	52	51,400	
Seaview ES	F	84.19	G	G	P		Partial	90%	90%	102%	59	50,551	
Martha Lake ES	F	84.32	U	U	P	N	N	116%	116%	88%	28	50,092	
Sherwood ES	P	84.95	F	U	P	N		98%	136%	102%	53	43,564	
Westgate ES	Р	85.19	U	U	P	N	N	112%	149%	109%	62	47,032	
Beverly ES	Р	85.76	Р	U	P	N		109%	137%	97%	61	49,430	
Woodway Campus	TBD	71.32**	N/A	N/A			N	N/A	N/A		53	148,484	
Woodway ES	Р	72.84**	N/A	N/A	P	N	N	N/A	N/A		58	37,075	
Cedar Way ES	F	75.74**	U	U	P			114%	126%	101%		54,092	
Spruce ES	TBD	N/A	P	U	P	TBD		110%	142%	88%	TBD	TBD	
New NE Quad Elementary School		·								88%			
District-wide Elementary Capacity										91%			
Middle School #5													
New SLHS													
Early Childhood Learning Center													
* E= Excellent, G = Good, F = Fair, P=Po	or, U= Unsatisfa	actory											
** Score needs to be updated to reflec	t major improv	ements since	2014										
*** Assumes reboundarying ONLY NE													





Exemplary Projects

- Tour as many as feasible: physically, virtually
- Link to MacConnell Award Winners:

https://www.a4le.org/A4LE/Programs Awards/Awards/LEsolutions Planning Design Awards/MacConnell Past Winners.aspx



An ALEP...

"Acts as a resource to the design team in providing ongoing guidance and support to ensure that the emerging and ultimate design aligns with the established community vision, education goals, future programming, written design standards, best/next practices and education policy."



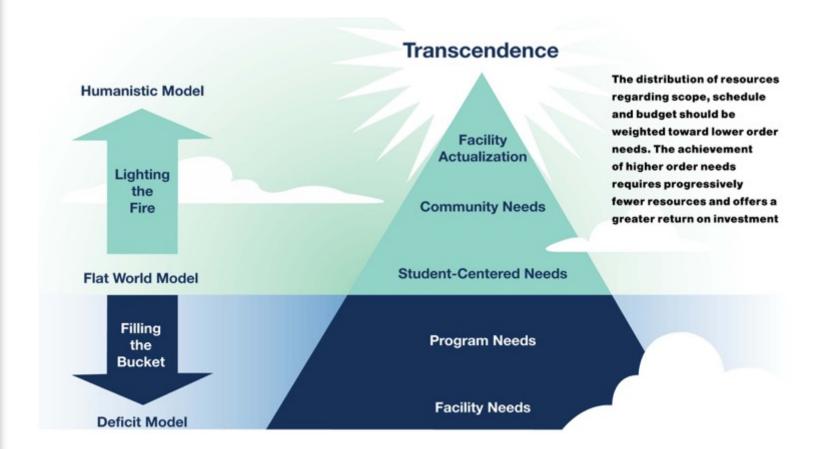
What needs to be demonstrated:

- Ability to integrate the input from education leadership, public and educators into the planning process to ensure the input received guided the resulting solutions.
- An understanding of the distinct relationship between the school's education goals and design standards, and the final design solution.
- Demonstrate an understanding of how a project's aesthetic expression may align with a community's values and vision.

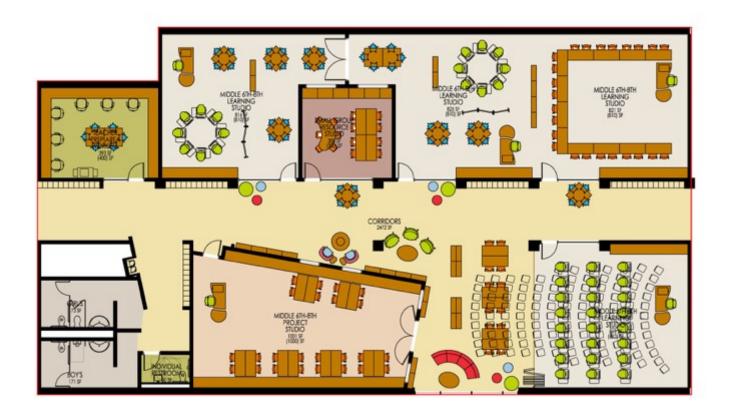


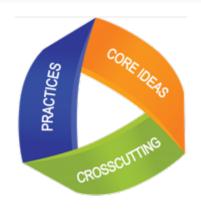


Design of Educational Facilities



Next Generation Planning Concepts

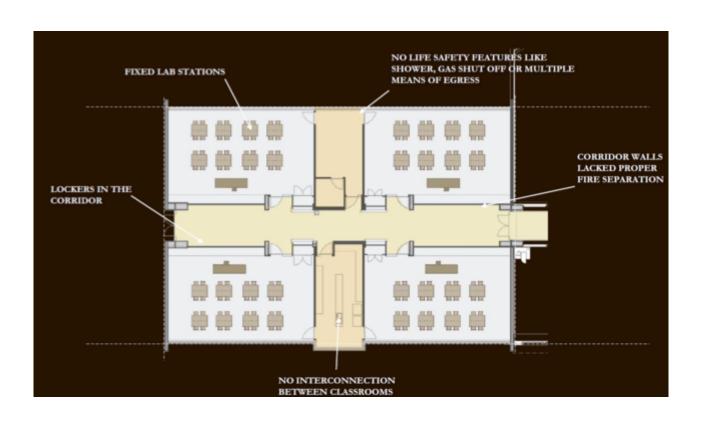




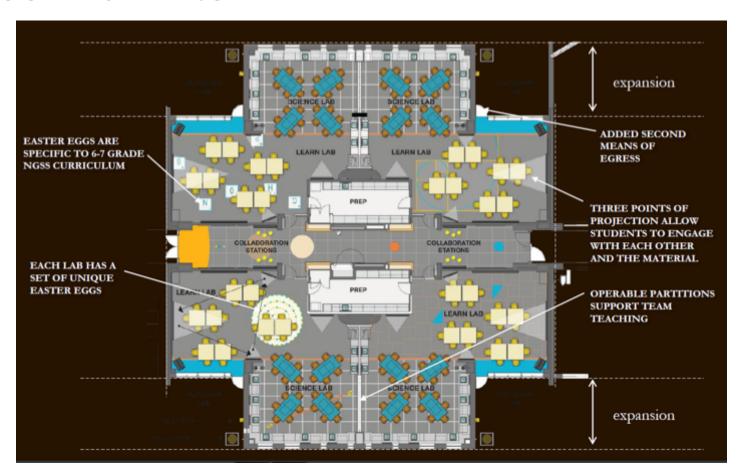
Crosscutting Concepts

- 1. Patterns
- 2. Cause and Effect
- 3. Scale, Proportion & Quantity
- 4. Systems and System Models
- 5. Energy and Matter
- 6. Structure and Function
- 7. Stability and Change

Floor Plan Before



Floor Plan After



Traditional Corridor





Learning Corridor





1960's Era Science Lab





Next Generation Science Lab



Has a working understanding of how the following areas impact the facility program:

- Regulations and Policies
- Project Delivery Methodologies
- Scheduling
- Preventative Maintenance
- Life-cycle Planning
- Systems Commissioning

TOPICS / KNOWLEDGE AREAS

- Project Delivery Methods
- Project Costs & Budgeting
- Project Scheduling
- Facility Operations & Maintenance
- Project Evaluation
- Commissioning

SKILLS

- Has understanding of projects potential risks and the ability to anticipate and mitigate risks where possible for acceptable project outcomes.
- Understanding of regulations and codes impacting a facility program including working with local jurisdiction authorities.
- Has knowledge and understanding of available project delivery methods.
- Understanding of core principles of Critical Path Scheduling.
- Understands facility maintenance requirements, preventive maintenance and long term life cycle cost approaches to maintenance planning.

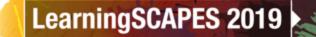
Educational Facility Implementation, Project Management/Project Delivery



TRAITS / CHARACTERISTICS

- Implements complex strategies to build buy-in and support from key internal and external clients or stakeholders.
- Quickly sums up complex options and recommends a clear way forward; monitors overall project performance against project plans and goals.
- Ability to apply knowledge of various construction delivery methods to identify the best value delivery method for given project circumstances.
- Ability to develop or identify alternative / creative approaches for scheduling and project delivery to achieve overall project goals.
- Empathetic to end users needs from students, instructional and administrative staff as well as operations staff and ability to develop solutions that meet sometimes competing demands from the various end user groups.

Educational Facility Implementation, Project Management/Project Delivery



MATRIX OF PROJECT	District A/E	District A/E	District	District CM Agent	District Design/		strict's A/E	Distri	A/E or Consultant		RFI #	DATE	HS	ES	1000		BRIEF DE	SCRIPTI	ION			DIRECTED TO:	Days Open	Days Open from Issue to Today	Days Open from Issue to response	
DELIVERY METHODS	General Contractor	General Contractor	CM A/E	Agest	Design/ Builder	Design/ Builder		JOC Contrac	tor		001	2015-08-19			evator B114 v		as drawn					181	2	1500	2	Change to In-Groun
METHODS			5000				<u> </u>	7			002	2015-09-03			gout Framin		-1					IBVCJG IBI	- 6	1485	- 6	Refer to RF1
	Subcontractors	Subcontractors	Subcontractors	Multiple Prime Contractors	Subcontractors	Subcontractor	3	Subconti	ractors		003	2015-09-03			eaching fenci stail 18/\$8.01	- Galvan	zed angle	Decessa	rv.			BVCJG	12	1478	12	Install per contract Delete the Galvaniz
Legislative Term Industry Term Definition	Competitive Bidding Traditional Process, Hard Bid Lump Sum or Stipulated Sum A delivery method wherein the District selects an architect.	Competitive Sealed Proposals Traditional Process, Hard Bid Lump Sum or Stipulated Sum A delivery method similar to competitive bidding. The District	Request for Proposal Construction Manager at Risk A method where the construction manager serves as	Construction Management, Agency A method where the	Design/Build Design/Build A method where a single entity is contracted to provide both	Design/Build Bridging A form of Design/Build v District selects an archite	where the Jo	Contracting, S Construction, Wo	er Contracting Contracting, Job On SABER, Fast Track ork Order Requirem Contract cting is a process for	ents		2012071			10000	Carrain	210 20 30	11004788	,			Sido		14.0		S8.01. It will not be issued to credit the support angles in D
	engineer to design and develop construction documents from which the District solicits lump sum bids. Selection is based on	selects an architect, engineer to design and develop construction documents. Once documents are fully complete the District solicits	the general contractor providing pre-construction and construction serves. The Construction Manager at Risk	an agent for the District providing pre-construction services in lieu of a General Contractor. The Construction	design and construction. The Design/Build team consist of contractor, engineer and architect. The Design/Builders	engineer to prepare the "c criteria package" which i comprehensive and enabl District to receive compe	design rei s more wi les a bu titive qu	whabilitation, or l when the work is not the delivery to	lateration of facilities of a recurring nature		005	2015-09-10	X	De	ntail 9/57.01	Field we	ld angle to	beam				IBI/CJG	- 11	1478	11	Yes, the clip angle
	the lowest possible bid and the contractor serves as a single point of responsibility for construction.	and other factors that the District deems provide best value.	provides Design phase consultation in evaluating costs, schedules, implications of alternative designs, systems and materials during design and serves as a single point of responsibility contracting directly with the subcontractors during construction. ———————————————————————————————————	the construction. The multiple trade contracts are hald by the District. Selection is based on the proposal offering the best value to the District.	contracts directly with the subcontractors and is responsible for delivery of the project. Selection is based on the proposal offering the best value to the District.	proposals from the Desig teams.					006	2015-09-10	×	De	tal 20/97.01	- Elevatio	on of partit	ion charr	tel			BI/CJG	12	1470	12	field applied. The General Contra- partition support ch- requirements. The architectural drawin
Pres	Familiar delivery method Defined project scope Single point of responsibility	Selection flexibility Defined project scope Single point of responsibility	Selection flexibility Design phase assistance Single point of	Selection flexibility Design phase assistance Faster schedule delivery	Selection flexibility Single point of responsibility for design	Single point of respo for construction Faster schedule delix		Fast response Reduced char	ges .	.	007	2015-09-10	X	Column E 3/5 3 - Need column size (reference sheet S1.13)					BVCJG	11	1478	- 11	The column at E.3h			
	for construction Open aggressive bidding	fer construction	responsibility for construction Team concept Faster schedule delivery Change flambility Adversarial relationship reduced	Change flexibility Non-adversarial relationship	and construction Team concept Faster schedule delivery	Enhanced scope defi Builder surchitect long team relationship	zition tineer	Reduced "up-front" time and cost Incentive for higher quality Puts more money in local business Up front involvement of the contractor facilities concurrent performance of design and execution		ss stices	800	2015-09-10	X	De	stail 5/S9.01	tree colu	umn locatio	ons				IBICIG	14	1478	14	All three columns s spaced 2-5" apart s the column is set b Floor Framing Plan
Cons	No design phase assistance Longer schedule duration Price not established until bidding is complete Adversarial relationship Lack of flexibility for change	No design phase assistance Longer schedule dramton Price not established until bidding is complete Adversarial relationship	 Difficulty for District to evaluate GMP until all subcontract bids are completed. 	No single point of responsibility No guaranteed price District must manage more contracts	Loss of check and balance More difficult for District to manage Potential adversarial relationship between District and Design Builder	Loss of check and be More difficult metho manage Adversarial relations between District's architect'engineer an Design/Build	d to hip	Perception of threat to "an-house" work force or local business Requires suarmonk to reach potential Need trained personant on District staff, or provided by a consultant, to best administrate contract.	Requires teamwork to reach potential Need trained personnel on District staff, or provided by a consultant, to		407	2015-09-10			heet S2.17 -							IBICIG	14	1478	14	The section was my 3/S8 02 to 1/S7 04 0" as shown in the
Best Suited	New projects that are not schedule sensitive nor subject to potential change.	New projects that are not schedule sensitive nor subject to potential change.	Larger new or renovation projects that are schedule sensitive, difficult to define, or	Larger new or renovation projects that are schedule sensitive, difficult to define, or	New or renovation projects that are schedule sensitive.	architect/engineer Larger new or renovation that are schedule sensitive difficult to define.	projects Sc e and re	chedule sensitive spair, alteration o	e, multi-trade, mino or renovation projec	r ts.	009r	2015-10-20		Sh	ARIFICATION	IOS for se	elect HSS					CJIS	7	1430	1	TOS elevation for H
Least Suited	Complex projects that are sequence or schedule sensitive. Projects subject to potential	Complex projects that are sequence or schedule sensitive. Projects subject to potential change.	subject to change. Smaller projects.	subject to change. Smaller projects.	Projects that are difficult to define and are less schedule sensitive.	Smaller projects and thos subject to change.	e projects St pr	ingle trade simpl rrojects.	le projects or very s	mall .	010	2015-09-1			eet S3 02 ar						# #	B,CJG		1477		See attached sketc only. Other areas r
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		Construction	Document	s P1			\neg																		-	
		Bridgeland P	reliminary [Design Revie	w approval																					
		Construction	Documents	P2			\perp																			
		CFISD QA QO																								
		Bridgeland F	inal Design I	Review and a	approval																					
		Permitting																								
		Bidding																								
		Board Award	d				\perp							\perp												
		Construction	•																							
		PunchList/ C																								
		Move In FFE					_							\perp												

- The ability to objectively evaluate a learning environment **post-occupancy** and utilize that data to improve future projects.
- Implements a plan for **educational commissioning** that provides guidance on how to use and maximize the learning environment to meet the foundational vision established in the planning phase.



Topics/Knowledge Areas

- Educational Commissioning
- Commissioning
- Project Evaluation
- Post-occupancy Evaluation



Challenges and Strategies

- Owners may not contract for Post-Occupancy Assessments
- Formal vs. Informal Assessments
- Post-Occupancy surveys may raise expectations
- Continuous process



Facility Assessment and Utilization

A skill necessary to:

to evaluate the effectiveness of past investment

to inform future investment





Quantitative and Qualitative Assessments

Quantitative

aspects include:

- Area per student
- Space Utilization
- Operational Cost / sf
- # of parking spaces
- # of doors
- Etc

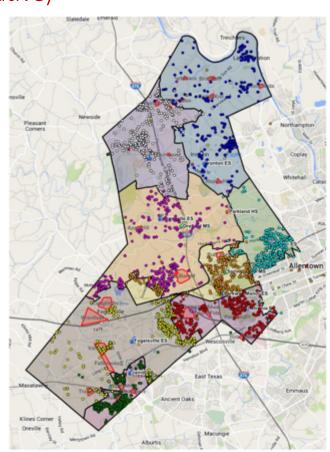
Qualitative aspects include:

- Material conditions
- Safety and Security
- Educational Adequacy
 - Adjacencies
 - Types of spaces
 - Connectivity

Assessment Example (Quantitative)

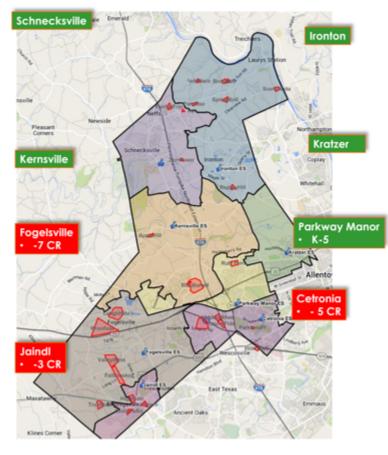
	Totals													
Grade	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
K	514	505	511	509	523	541	561	586	600	608	616	620	629	632
1	598	588	601	613	615	636	658	686	700	710	716	721	730	733
2	658	625	629	620	650	657	684	714	716	724	732	738	747	750
3	651	676	642	657	646	684	695	729	740	736	743	749	757	761
4	716	667	696	663	685	680	720	739	753	756	753	759	767	771
5	737	728	682	705	680	707	705	753	754	765	770	761	770	774
Subtotals: Pct Chg:	3874	3789 -2.2%	3761 -0.7%	3767 0.2%	3799 0.8%	3905 2.8%	4023 3%		4263 1.3%	4299 0.8%	4330 0.7%	4348 0.4%	4400 1.2%	4421 0.5%
SDC:														
Totals:	3874	3789	3761	3767	3799	3905	4023	4207	4263	4299	4330	4348	4400	4421
Capacity:	4680	4680	4680	4680	4680		4680		4680	4680	4680	4680	4680	4680
Open Seats:	806	891	919	913	881	775	657	473	417					

	Totals														
Grade	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
6	731	760	738	723	746	725	754	758	799	794	804	806	802	806	
7	792	744	780	753	744	773	752	788	775	813	807	816	820	812	
8	770	808	752	788	768	761	791	773	800	784	821	813	823	825	
Subtotals: Pct Chg:				2264 -0.3%			2297 1.7%							2443 -0.1%	
														0	
Totals:		2312							2374		2432		2445	2443	
Canacitys	2656	2656	2656	2656	2656	2656	2656	2656	2656	2656	2656	2656	2656	2656	



Assessment Example (Quantitative)

Cetronia	2011	2012	2013	2014	2015	2016	2017	2918	2019	2020	2021	2022	2023	2024
Pct Chg:		-6.6%	-0.8%	-0.2%	2.3%	9.5%	7.9%	8.3%	2.1%	0.3%	-0.1%	0.3%	0.3%	0.6%
Totals:														
Capacity:														
Open Seats:	11	48	52	53	41	-9	-55	-107	-121	-123	-122	-124	-126	-130
Fogelsville	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Pct Chg:		15.1%	8.5%	2.4%	5.5%	-0.5%	7.5%	13.9%	4.3%	3.5%	2.6%	1.8%	6%	2%
Totals:														
Capacity:														
Open Seats:	169	103	60	47	16	19	-25	-113	-144	-170	-190	-204	-253	-270
Ironton	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Pct Chg:		-1.7%	-5.9%	0.5%	-0.5%	3.1%	6.3%	-0.5%	4.5%	-1.4%	0.2%	-0.2%	0%	
Totals:														
Capacity:														
Open Seats:	103	110	134	132	134	122	97	99	80	86	85	86	86	86
Jaindi	2011	2012	2013	2014	2015	2016	2017	2918	2019	2020	2021	2022	2023	2024
Pct Chg:		4.8%	3.3%	2.2%	3.4%	4.8%	3.7%	7.2%	1.4%	1.8%	0.6%	1.1%	0.1%	
Totals:														
Capacity:														
Open Seats:	67	126	106	92	70	38	12	-40	-51	-65	-70	-79	-80	-80
Kernsville	2011	2012	2013	2014	2015	2016	2017	2918	2019	2020	2021	2022	2023	2024
Pct Chg:		-1.7%	-9.4%	5.5%	-2%	2.5%	2.2%	1.8%	4.1%	-0.6%	1.9%	-0.2%	0%	
Totals:														
Capacity: Open Seats:														
Kratzer Pct Cho	2011	2012	2013	2014	2015	2016	2017	2918	2019	2020	2021	2022	2023	2024
Totals:							4.004	4.450	2.04	4.6%				
							1.9%	4.1%	-2.6%	1.6%	-0.4%	-0.2%	0%	
											-0.4% 447	-0.2% 446	0% 445	
Capacity: Open Seats:											-0.4% 447 490	-0.2% 446 490	0% 446 490	
Open Seats:	490 107	490 115	399 490 91	394 490 96	405 490 85	428 490 62	436 490 54	454 490 36	442 490 48	449 490 41	-0.4% 447 490 43	-0.2% 446 490 44	0% 445 490 44	446 490 44
Open Seats: P. Manor		490 115 2012	399 490 91 2013	394 490 96 2014	405 490 85 2015	428 490 62 2016	436 490 54 2017	454 490 36 2018	442 490 48 2019	449 490 41 2020	-0.4% 447 490 43 2021	-0.2% 446 490 44 2022	0% 445 490 44 2023	446 490 44 2024
Open Seats: P. Marror Pct Chg:	490 107 2011	490 115	399 490 91 2013 -6.9%	394 490 96 2014 -4.4%	405 490 85 2015 -2.1%	428 490 62 2016 0.2%	436 490 54 2017 -5.6%	454 490 36 2018 -3.5%	442 490 48 2019 -1.8%	449 490 41 2020 -2.6%	-0.4% -447 -490 -43 -2021 -0.8%	-0.2% 446 490 44 2022 -0.5%	0% 446 490 44 2023 0%	446 490 44
Open Seats: P. Manor Pet Chg: SDC:	490 107 2011	490 115 2012 -3.5% 0	399 490 91 2013 -6.9% 0	394 490 96 2014 -4.4% 0	405 490 85 2015 -2.1% 0	428 490 62 2016 0.2% 0	436 490 54 2017 -5.6% 0	454 490 36 2018 -3.5% 0	442 490 48 2019 -1.8% 0	449 490 41 2020 -2.6% 0	-0.4% -447 -490 -43 -2021 -0.8% -0	-0.2% 446 490 44 2022 -0.5% 0	0% 445 490 44 2023 0% 0	446 490 44 2024 0% 0
Open Seats: P. Manor Pct Chg: SDC: Totals:	490 107 2011 0 508	490 115 2012	399 490 91 2013 -6.9%	394 490 96 2014 -4.4%	405 490 85 2015 -2.1%	428 490 62 2016 0.2%	436 490 54 2017 -5.6%	454 490 36 2018 -3.5%	442 490 48 2019 -1.8%	449 490 41 2020 -2.6%	-0.4% -447 -490 -43 -2021 -0.8%	-0.2% 446 490 44 2022 -0.5%	0% 446 490 44 2023 0%	446 490 44 2024 0% 0 368
Open Seats: P. Manor Pet Chg: SDC:	490 107 2011	490 115 2012 -3.5% 0 490	399 490 91 2013 -8.9% 0 456	394 490 96 2014 -4.4% 0 436	405 490 85 2015 -2.1% 0 427	428 490 62 2016 0.2% 0 428	436 490 54 2017 -5.6% 0 404	454 490 36 2018 -3.5% 0 390	442 490 48 2019 -1.8% 0 383	449 490 41 2020 -2.6% 0 373	-0.4% 447 490 43 2021 -0.8% 0 370	-0.2% 446 490 44 2022 -0.5% 0 368	0% 446 490 44 2023 0% 0 368	446 490 44 2024 0% 0
Open Seats: P. Manor Pct Chg: SDC: Totals: Capacity: Open Seats:	490 107 2011 0 508 523 15	490 115 2012 -3.5% 0 490 523 33	399 490 91 2013 -6.9% 0 456 523 67	394 490 96 2014 -4.4% 0 436 523 87	405 490 85 2015 -2.1% 0 427 523 96	428 490 62 2016 0.2% 0 428 523 95	436 490 54 2017 -5.6% 0 404 523 119	454 490 36 2018 -3.5% 0 390 523 133	442 490 48 2019 -1.8% 0 383 523 140	449 490 41 2020 -2.6% 0 373 523 150	-0.4% 447 490 43 2021 -0.8% 0 370 523 153	-0.2% 446 490 44 2022 -0.5% 0 368 523 155	0% 446 490 44 2023 0% 0 368 523 155	446 490 44 2024 0% 0 368 523 155
Open Seats: P. Manor Pct Chg. SDC: Totals: Capacity: Open Seats: Schnecksville	490 107 2011 0 508 523	490 115 2012 -3.5% 0 490 523 33 2012	399 490 91 2013 -6.9% 0 456 523 67	394 490 96 2014 -4.4% 0 436 523 87 2014	405 490 85 2015 -2.1% 0 427 523 96 2015	428 490 62 2016 0.2% 0 428 523 95 2016	436 490 54 2017 -5.6% 0 404 523 119 2017	454 490 36 2018 -3.5% 0 390 523 133 2018	442 490 48 2019 -1.8% 0 383 523 140 2019	449 490 41 2020 -2.6% 0 373 523 150 2020	-0.4% 447 490 43 2021 -0.8% 0 370 523 153 2021	-0.2% 446 490 44 2022 -0.5% 0 368 523 155 2022	0% 445 490 44 2023 0% 0 368 523 155 2023	446 490 44 2024 0% 0 368 523 155
Open Seats: P. Manor Pct Chg: SDC: Totals: Capacity: Open Seats:	490 107 2011 0 508 523 15	490 115 2012 -3.5% 0 490 523 33	399 490 91 2013 -6.9% 0 456 523 67	394 490 96 2014 -4.4% 0 436 523 87	405 490 85 2015 -2.1% 0 427 523 96	428 490 62 2016 0.2% 0 428 523 95	436 490 54 2017 -5.6% 0 404 523 119	454 490 36 2018 -3.5% 0 390 523 133	442 490 48 2019 -1.8% 0 383 523 140	449 490 41 2020 -2.6% 0 373 523 150	-0.4% 447 490 43 2021 -0.8% 0 370 523 153	-0.2% 446 490 44 2022 -0.5% 0 368 523 155	0% 446 490 44 2023 0% 0 368 523 155	446 490 44 2024 0% 0 368 523 155 2024 0%
Open Seats: P. Manor Pct Chg: SDC: Totals: Capacity: Open Seats: Schnecksville Pct Chg:	490 107 2011 0 508 523 15 2011	490 115 2012 -3.5% 0 490 523 33 2012 -3.3%	399 490 91 2013 -6.9% 0 456 523 67 2013	394 490 96 2014 -4.4% 0 436 523 87 2014 -4.9%	405 490 85 2015 -2.1% 0 427 523 96 2016 -8.2%	428 490 62 2016 0.2% 0 428 523 56 2016 5.5%	436 490 54 2017 -5.6% 0 404 523 119 2017 -5%	454 490 36 2018 -3.5% 0 390 523 133 2018 -5.5%	442 490 48 2019 -1.8% 0 383 523 140 2019 -8.2%	449 490 41 2020 -2.6% 0 373 523 150 2020 2.1%	-0.4% 447 490 43 2021 -0.8% 0 370 523 153 2021 0.7%	-0.2% 446 490 44 2022 -0.5% 0 368 523 155 2022 -0.7%	0% 445 490 44 2023 0% 0 368 523 155 2023 0%	446 490 44 2024 0% 0 368 523 155



Assessment Example (Quantitative)

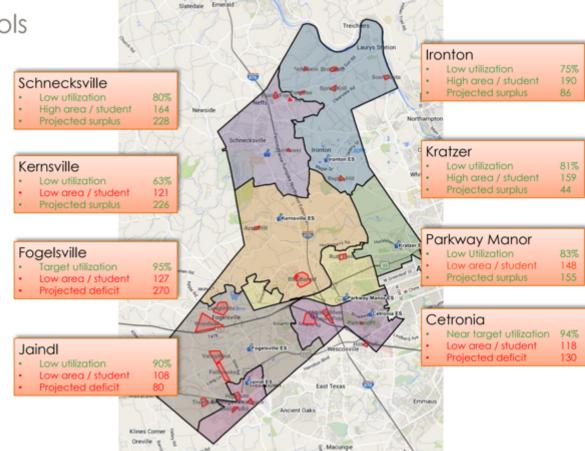
Elementary Schools

Targets:

- Utilization = 95%
- Area/student = 151 sq.

Analysis:

- Utilization is in the acceptable to high range. This indicates that there is a surplus of classrooms for your current enrollment.
- Most schools have lower than the ideal target area per student. This indicates that there is a lack of support spaces such as collaboration zones, music etc.
- Northern schools have a projected surplus of seats while the southern schools have a projected deficit of seats. This indicates the need for additional capacity to house the projected enrollment.





Assessment Example (Qualitative)

Kernsville Elementary School

ast Facts

Constructed — 1974

Past Renovations - 2004

Acreoge — 19.84 acres

Gross Square Feet — 85,582 gif.

Current Enrollment - 447

Utilization — 6g% Area per Student — 121 sf

Area per Student — 121 sf Projected 2020 Errolment — 481





Key Building Conditions

FAIR Avchilecture

FAI

GC

Decirco

Pluning/fee Protects

& FAIR Code Compilano

FAIR Overall Building Batting



GOOD Access, Circulation, and Pating

GOOD Attention and Play

GOOD
Amenities and Support Facilities

GOOD Safety, Security, and Code Compliance

GOOD Overall Site Ballon



Site Plan

Parkland School District



Assessment Example (Qualitative)

STEWN

Secrearylle Elementary School is located in North Whitehall Township, Primary site across is provided by the arterial Kernselle Rund, with secondary across from the local Stankoveler Rund. The surrounding area is generally farm fields, low density residential, sogues commercial uses, and undeveloped property. The site gardly slopes up from Kernswille Rund to a steep wooded hillide in the back of the property. Several district maintenance buildings and storage areas are located on the vesters portion of the site. With the exception of an annighty business to the immediate east, the property feels pencedul and seculaded.

- s. Vehicular and Pedestrian Circulation
- Site access and traffic flow: Buses arrive from Kernsville or Shankoveller Road, but depart via Shankoveller Road for easier access to the larger road system.
 The District's Maintenance Facility is located near Shankoveller Road, and school representatives have suggested widening the access road from Shankoveller for better circulation.
- Bus drup-off: There is a dedicated bus loop with parking at the main school entrance. With five to six total busses, 3 load and unload at a time. Staff greet the students, and then, depending on grade level, students access one of two school entrances.
- Car drop-off: Cars form a one-way queue around the parking lot and

- drop-off students at a school entrance near the loading dock and trash area. This entrance is unappealing, but has the potential for improvement with screening and or an entry canopy. For student pick up, caregivers park and come to the door to meet the children.
- Parking: Parking is generally adequate, but there are too few visitor spaces. Overflow parking at paved playground
- Sidewalks: A combination of concrete and asphalt sidewalks and paths provide continuity of access throughout the site.
- Loading & service: The loading and trash area has pavement issues.
 Additionally, ruts in adjacent landscape area indicate that the pavement is too small for the service vehicles.
- Parement & curb condition: In 2014, the site was reproved, and in general the vehicular pavement, curbs, and district maintenance facilities are well-assistance and in very good to excellent condition. At the bus loop, there are rets and ensoin adjacent to the pavement indicating inadequate pavement width and/or drainage.
- Signage: Visibility of the school sign is excellent, and traffic control signs are adequate throughout the property.
- 2. Athletics and Play
- . Fields: There is one baseball field.





HVAC

s. Summary

- The purpose of this fousibility study is to evaluate the HVAC systems at Kratzer Elementary School, note current conditions and deficiencies and provide solutions or recommended
- provide solutions or recommended improvements to the HVAC systems. The building is currently under construction during our site assessment.
- 2. Existing HVAC System Description
- The building is under construction and a variable refrigerant heat pump fan coil system is being installed to provide 5heating and cooling throughout the building.
- 3. Central Heating Plant
- The building is served by a variable refrigerant flow heat pump system and has no central heating and cooling plant.
- 4. Air Distribution Systems
- Classrooms: The rooms are heated, cooled, and ventilated by ceiling mounted wrf fan coils. The A series of fan coil units has a condensing unit located on the roof. The fan coils and condensing units are new,
- Corridors: VRF fan coils provide heat and cooling, these units are new.

- Toilet Rooms: VRF fan coils provide heat and cooling, these units are new.
- Cafeteria: Rooftop-central station air handling units(2) with electric heating coil and DX cooling coil, these units are new.
- Gymnasium: Horizontal heating and cooling air handling units with electric heating coils located on mecannine above the equipment storage room, these units are new. The ductwork air distribution system in new.
- Administration: Ceiling mounted VRF fan coil units and DX cooling coil, matching condensing unit on the roof.
 These units are new.
- 5. Building Temperature Controls
- A new control panel with BACNET capability has been provided to tie into the central district DDC system.

Electrica

- Electrical Service and Distribution Equipment:
- Electrical Service: Square D 2000 ampere, 277/480 volt, 3 phase, 4 wire circuit breaker switch switchboard.
- Distribution Equipment: Dry type 480V to 120/308 volt, 3 phase, 4 wire transformers and Square D circuit breaker panels for receptacle and general power branch circuits.
- Switchboard, panels and electrical distribution feeders and branch circuits













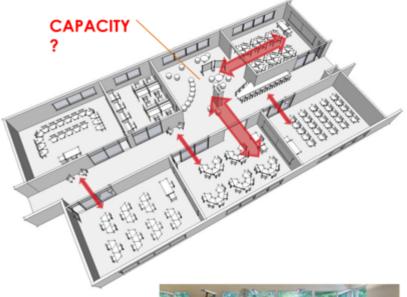
P Ferkland School District



Assessment Example (Qualitative)







- Provides leadership and stewardship for the responsible investment of public and private funding into school facilities

 while being a known advocate for the importance of the learning environment on a child's future.
- Leads and has a record of leading transparent processes that help communities find common ground in developing solutions to complex and sensitive issues.
- Advocates for long term solutions that address the needs of all children and stakeholders, including underserved groups.

- Examples of how these topics are reflected in your work everyday:
 - Advocacy
 - Credibility
 - Transparency
 - Accountability
 - Stewardship

- Understands the diversity of the community and ensures that opportunities and resources are distributed equitably to serve all members of the community, including underserved groups.
- Ability to address sensitive and difficult issues within a community and build stakeholder support and consensus by finding common ground.
- Ensures plan and program transparency and accountability.
- Advocates and supports programs and investments that are appropriate and beneficial in the long term, not just meet immediate needs.
- Provides stewardship and leadership for responsible investment of public and private funds.

Equitable Distribution of Resources and Opportunities

- Understanding diversity of the community
- Including underserved groups in the process
- Listening to all voices, not just the loudest voices
- Equality is not equity
- Different neighborhoods may have different priorities
- Accessibility for all learners





Stewardship for Responsible Investment

- Facility investments must provide benefit in the long term, not just meet immediate needs
- Designing for changing programs and needs
 - Small Schools
 - Career Tech Programs
 - Technology



