## WILMINGTON MUNICIPAL FACILITIES ALTERNATIVES EVALUATION Comparative Evaluation of Alternative Scenarios Criteria Weighting Factors and Alternative Scores

The Cecil Group/Harriman Project No. 15541 2-Mar-17

Ranking Criteria	,	Notes
	rity 1 - High	Priority 5
Costs and Benefits		
		The improvements would reduce operating costs relative to current
Lowers Operations Costs	4	conditions.
		The probable cost of construction would be considered reasonable
		relative to the size and quality of facilities provided because
Reasonable Cost of Construction	4	construction could be efficiently accomplished.
		The final space would be considered an improvement better meeting
Improves Educational Space	5	contemporary educational needs and practices.
		This factor ranks the probable cost effectiveness of improvements
		because of the amount and quality of improved educational facilities
Investment has Good Cost/Benefit	4	that would be create.
Facility Quality		
		Schools in good condition that do not require significant expenditures
Existing School in Good Condition	5	rank more highly than those in poor condition that need to be upgrade
		Alternative with fewer transitions rank higher than alternatives with
Reduces Student Transitions	3	more transitions.
		Alternatives where full code upgrades would be required because of
		the extent and character of the changes or new construction rank
Brings Buildings Fully Up To Code	4	higher than scenarios with more limited upgrades.
		Alternatives where full building system efficiency upgrades would be
Brings Mechancal and Electircal Systems		required because of the extent and character of the changes or new
Fully Up to Current Efficiency Codes	5	construction rank higher than scenarios with more limited upgrades.
rully op to current Eniciency codes	J	Alternatives where there is a close match between the facilities
Aligns Student Capacity with Actual Student		provided and the projected distribution and number of students rank
Population	5	
Population	3	higher than options with surplus or deficits in projected space.  Alternatives which match demographic distribution and efficient trave
Dadwasa Busina Casta	2	
Reduces Busing Costs Provides Good Geographic Distribution of		patterns are more highly rated.  Alternatives that are more evenly distributed are ranked higher than
	_	
Facilities	5	those with less balance relative to the subareas of Town.
Civic Critera		This suitanis has not been usulted an assured but is provided as
0	0	This criteria has not been ranked or scored but is provided as a
Contribution to Community Identity	0	potential category for future consideration.
Adaptability and Compatibility		
		Contition that apply he apply averaged apply higher the continuous
Data dialifa Estado Estado I	•	Facilities that could be easily expanded rank higher than those where
Potential for Future Expansion	3	capacity changes can not be easily accommodated in the future.
Determination Development in Orbital in Olerand	0	
Potential for Reuse if School is Closed	2	Facilities that are more easily adapted to alternative uses rank higher
0" 0"	_	Sites that can accommodate all parking and recreation needs are
Site Size is Adequate	5	ranked more highly than constrained sites.
Site has Good Parking, Playfields, and		L
Playgrounds	5	This factor ranks the potential quality of the site's uses.
Building and Site are Good Community		This factor considers the potential of the facility to serve other
Resources	4	community programs and activities.
Other Criteria		
		This factor ranks the overall match between the proposed facility use
Best Use of Building Limitations and		and the underlying character of the building to serve educational use
Opportunities	4	and grade levels as listed in the alternative.

Note: Base scores range from 0 to 10 for all facility alternatives, and are based on comparative evaluations separately from the weighting criteria
A high base score is the most beneficial to Town goals; a low base score is less beneficial relative to Town goals

The scores for capital costs are based on professional opinions of likely relative costs, based on Harriman experience with similar facilities.

## **Alternatives Scores**

S1	S2	S3	S4	S5	S6
31	32	- 33	34	- 33	30
1420	2395	2584	2161	2203	2695

## WILMINGTON SCHOOL FACILITIES EVALUATION Wilmington, MA Comparative Evaluation of Potential Options

OPTION S1 - Existing Schools, Targeted Improvements		A. Boutwell Ea Childhood	•	B. Wildwood Childhood	d Early	C. Shaw Element		,		E. North Intermediat	е	F. West Inter	rmediate	
Extend the life of the existing facility, correct deferred maintenance items, and improve the quality of education spaces without building additions.		Improvements are finishes and defermaintenance. Co upgrades limited Work would be lir incremental chan existing space all	rred ode and ADA to work areas. nited to ges in the	finishes and d maintenance. upgrades limit areas. Work	Code and ADA ed to work would be limited changes in the	finishes a maintena ADA upg work area limited to changes	intenance. Code and maintenance. Code and ADA upgrades limited to work areas. Work would be limited to work areas.			Improvements are limite and deferred maintenan and ADA upgrades limit areas. Work would be I incremental changes in space allocation.	ice. Code ed to work imited to	Improvements finishes and do maintenance. ADA upgrades work areas. Wilmited to increchanges in the space allocation	Code and slimited to Vork would be mental existing	SUBTOTALS
Ranking Criteria	Weight			I			Base	Score 0(poor)	- 10(good)			1		
	Low Priority 1 - High Priority 5	Base Score	Weight'd Score	Base Score	Weight'd Score	Base Score	Weight'd Score	Base Score	Weight'd Score	Base Score	Weight'd Score	Base Score	Weight'd Score	
Costs and Benefits														
Lowers Operations Costs	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Reasonable Cost of Construction	4	5	20	5	20	5	20	5	20	5	20	5	20	120
Improves Educational Space	5	5	20	5	20	5	20	5	20	5	20	5	20	120
Investment Has Good Cost/Benefit	4	5	20	5	20	10	40	10	40	10	40	10	40	200
Facility Quality														
Existing School in Good Condition	5	1	4	1	4	6	24	4	16	5	20	3	12	80
Reduces Student Transitions	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Brings Buildings Fully Up To Code	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Brings Mech. and Elec. Systems Fully Up to Current Efficiency Codes	5	0	0	0	0	0	0	0	0	0	0	0	0	0
Aligns Student Capacity with Actual Student Population	5	0	0	0	0	4	16	5	20	0	0	0	0	36
Reduces Busing Costs	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Provides Good Geographic Distribution of Facilities	5	10	40	10	40	10	40	10	40	10	40	10	40	240
Civic Critera														
TBD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adaptability and Compatibility														
Potential for Future Expansion	3	2	8	4	16	8	32	7	28	8	32	5	20	136
Potential for Reuse if School is Closed	2	8	32	8	32	2	8	2	8	2	8	2	8	96
Site Size is Adequate	5	2	8	4	16	8	32	7	28	8	32	5	20	136
Site has Good Parking, Playfields, & Playgrounds	5	3	12	4	16	8	32	7	28	8	32	5	20	140
Building and Site are Good Community Resources	4	4	16	5	20	5	20	5	20	5	20	5	20	116
Other Criteria														
Best Use of Bldg Limitations and Opportunities	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Not used	0	0	0	0	0	0	0	0	0	0	0	0	0	0
														TOTAL
SUBTOTALS			180		204		284		268		264		220	1420

OPTION S2 - Existing Schools, Improved to Meet Current Space Standards			A. Boutwell Early B. V Childhood Chi		,				D. Woburn Elementary		n diate	F. West Intermediate		
Improve the existing buildings including major renovation and addition as required to meet current education standards that would be applicable to new facilities or major renovations. Building-wide ADA and code upgrades are anticipated.		Renovation major additional most core support s	dition of and paces	Renovation all most core and spaces and be infrastructure, currently occuschool district program	I support improvements to the facility Reuse space pied by the			Renovation minor addithe facility	dition to	Renovation and improvements to the facility		Renovation of the facility. Reuse space currently occupied by the school district for education program		SUBTOTALS
Ranking Criteria	Weight					Bas	e Score	0(poor)	- 10(goo	d)				
	Low Priority 1 - High Priority 5	Base Score	Weight'd Score	Base Score	Weight'd Score	Base Score	Weight'd Score	Base Score	Weight'd Score	Base Score	Weight'd Score	Base Score	Weight'd Score	
Costs and Benefits														
Lowers Operations Costs	4	3	12	3	12	3	12	3	12	3	12	3	12	72
Reasonable Cost of Construction	4	5	20	5	20	5	20	5	20	5	20	5	20	120
Improves Educational Space	5	8	40	8	40	8	40	8	40	8	40	8	40	240
Investment Has Good Cost/Benefit	4	5	20	5	20	10	40	10	40	10	40	10	40	200
Facility Quality														
Existing School in Good Condition	5	1	5	1	5	6	30	4	20	5	25	3	15	100
Reduces Student Transitions	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Brings Buildings Fully Up To Code	4	10	40	10	40	10	40	10	40	10	40	10	40	240
Brings Mech. and Elec. Systems Fully Up to Current Efficiency Codes	5	5	25	5	25	5	25	5	25	5	25	5	25	150
Aligns Student Capacity with Actual Student Population	5	10	50	10	50	10	50	10	50	10	50	10	50	300
Reduces Busing Costs	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Provides Good Geographic Distribution of Facilities	5	10	50	10	50	10	50	10	50	10	50	10	50	300
Civic Critera														
TBD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adaptability and Compatibility														
Potential for Future Expansion	3	0	0	2	6	8	24	7	21	8	24	3	9	84
Potential for Reuse if School is Closed	2	8	16		16	2	4	2	4	2	4	2	4	48
Site Size is Adequate	5	2			20	8	40	7	35	8	40	5	25	170
Site has Good Parking, Playfields, & Playgrounds	5	3	15	4	20	8	40	7	35	8	40	5	25	175
Building and Site are Good Community Resources	4	4	16	5	20	5	20	5	20	5	20	5	20	116
Other Criteria														
Best Use of Bldg Limitations and Opportunities	4	0	0	0	0	5	20	5	20	5	20	5	20	80
Not used	0	0	0	0	0	0	0	0	0	0	0	0		
														TOTAL
SUBTOTALS			319		344		455		432		450		395	2395

OPTION S3 - Four Elementary Schools		A. Bout Childho	•	B. Wildwood Childhood	d Early					E. North Intermediate		F. West In		
Create 4 schools of relatively equal size, all housing pre-kindergarten (Pre-K) through grade 5. The extent of modifications is determinant on the existing condition of each remaining school		Close fac	ility	Close facility a new Pre-K - 5 school on the	elementary	Renovation a addition to co a Pre-K - 5 e school	nvert into	Close facility				denovation and major addition to convert into a Pre-K - 5 elementary school		SUBTOTALS
Ranking Criteria	Weight					E	Base Sco	re 0(po	or) - 10(g	jood)				
	Low Priority 1 - High Priority 5	Base Score	Weight'd Score	Base Score	Weight'd Score	Base Score	Weight'd Score	Base Score	Weight'd Score	Base Score	Weight'd Score	Base Score	Weight'd Score	
Costs and Benefits														
Lowers Operations Costs	4	10	40	10	40	8	32	10	40	8	32	8	32	216
Reasonable Cost of Construction	4	0	0	5	20	8	32	0	0	8	32	8	32	116
Improves Educational Space	5	0	0	10	50	9	45	0	0	9	45	9	45	185
Investment Has Good Cost/Benefit	4	0	0	8	32	10	40	0	0	10	40	10	40	152
Facility Quality														
Existing School in Good Condition	5	1	5	1	5	6	30	4	20	5	25	3	15	100
Reduces Student Transitions	3	10	30	10	30	10	30	10	30	10	30	10	30	180
Brings Buildings Fully Up To Code	4	0	0	10	40	10	40	0	0	10	40	10	40	160
Brings Mech. and Elec. Systems Fully Up to Current Efficiency Codes	5	0	0	10	50	8	40	0	0	8	40	8	40	170
Aligns Student Capacity with Actual Student Population	5	0	0	10	50	10	50	0	0	10	50	10	50	200
Reduces Busing Costs	2	0	0	5	10	5	10	0	0	5	10	5	10	40
Provides Good Geographic Distribution of Facilities	5	10	50	10	50	10	50	10	50	10	50	10	50	300
Civic Critera														
TBD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adaptability and Compatibility														
Potential for Future Expansion	3	2	6	2	6	8	24	7	21	8	24	3	9	90
Potential for Reuse if School is Closed	2	8	16		16	2	4	2	4	2	4	2	4	48
Site Size is Adequate	5	0	0	3	15	8	40	0	0	8	40	5	25	120
Site has Good Parking, Playfields, & Playgrounds	5	3	15	4	20	8	40	7	35	8	40	5	25	175
Building and Site are Good Community Resources	4	4	16	10	40	5	20	8	32	8	32	8	32	172
Other Criteria														
Best Use of Bldg Limitations and Opportunities	4	10	40	0	0	10	40	0	0	10	40	10	40	160
Not used	0	0	_			0			0	0				
														TOTAL
SUBTOTALS			218		474		567		232		574		519	2584

OPTIONS4 One Pre-K/Kindergarten		A. Bouty	well Early	B. Wildwood	d Early	C. Shawshe	en	D. Wobu	ırn	E. North	)	F. West In	termediate	
School, Three Elementary Schools		Childho	-	Childhood	u.i,	Elementary		Element		Intermediate			tormoulato	
,,									···· ,					
Modify an existing school to create a		Close fac	ility	Close facility a	and build a	Close facility		Renovate	to convert	Renovation	on and	Renovation	and addition	
single school for grades pre-K - K .			,	new 1 - 5 elen	nentary	,		to a Pre-k	√ - K Early	addition to	o convert to	to convert to	a 1 - 5	
Create 3 schools of relatively equal				school on the	site			Childhood		a 1 - 5 ele	ementary	elementary	school	
size, all housing grade 1 through								Education	n Center	school				
grade 5. The extent of modifications is														
determinant on the existing condition														
of each remaining school.														SUBTOTALS
Ranking Criteria	Weight						Base Sco	re 0(pc	or) - 10(	good)		•		
	Low Priority 1 -	Base	Weight'd		Weight'd	Base	Weight'd	Base	Weight'd	Base	Weight'd	Base	Weight'd	
	High Priority 5	Score		Base Score	Score	Score	Score	Score	Score	Score	Score	Score	Score	
Costs and Benefits														
Lowers Operations Costs	4	10	40	10	40	10	40	8	32	8	32	8	32	216
Reasonable Cost of Construction	4	0	0	5	20	0	0	8	32	8	32	8	32	116
Improves Educational Space	5	0	0	10	50	0	0	9	45	9	45	9	45	185
Investment Has Good Cost/Benefit	4	0	0	8	32	0	0	10	40	10	40	10	40	152
Facility Quality														
Existing School in Good Condition	5	1	5	1	5	6	30	4	20		25	3	15	100
Reduces Student Transitions	3	9	27	9	27	9	27	9	27	9	27	9	27	162
Brings Buildings Fully Up To Code	4	0	0	10	40	0	0	10	40	10	40	10	40	160
Brings Mech. and Elec. Systems Fully	_	_				_	_							
Up to Current Efficiency Codes	5	0	0	10	50	0	0	10	50	10	50	10	50	200
Aligns Student Capacity with Actual Student Population	E	0	0	10	50	0	0	0	0	10	50	10	50	150
Reduces Busing Costs	<u> </u>	0	0	0	0	0	0			0	0		0	
Provides Good Geographic		0	U	U	0	U	0	0	U	0	0	0	0	U
Distribution of Facilities	5	0	0	0	0	0	0	0	0	0	0	0	0	0
Civic Critera														
TBD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adaptability and Compatibility														
Potential for Future Expansion	3	2	6	2	6	8	24	7	21	8	24	3	9	90
Potential for Reuse if School is Closed	2	8	16	8	16	2	4	2	4	2	4	2	4	48
Site Size is Adequate	5	0	0	3	15	0	0	7	35	8	40	5	25	115
Site has Good Parking, Playfields, & Playgrounds	5	3	15	4	20	8	40	7	35	8	40	5	25	175
Building and Site are Good Community Resources	4	4	16	10	40	5	20	8	32	8	32	8	32	172
Other Criteria														
Best Use of Bldg Limitations and Opportunities	4	10	40	0	0	0	0	0	0	10	40	10	40	120
Not used	0		_	0	0	0	0				_		0	
	<u>_</u>													TOTAL
SUBTOTALS			165		411		185		413		521		466	2161

OPTIONS5 One Pre-K School, Three K-5			•	B. Wildwoo	d Early	C. Shawsh		D. Wobu		E. North Intermediate		F. West In	termediate	
Elementary Schools		Childho	oa	Childhood		Elementary	/	Element	tary	intermediate				
Modify an existing school to create a single		Close fac	ilitv	Close facility a	and build a	Close facility		Renovate	to convert	t Major renovation and		Major renov	ation and	
school for grades Pre-K. Create 3 schools					ew K-5 school on the site								convert into a	
of relatively equal size, all housing grades K								Education	n Center	a K-5 eler	mentary	K-5 elementary school		
through grade 5. The extent of										school				
modifications is determinant on the existing														
condition of each remaining school.														
														SUBTOTALS
Ranking Criteria	Weight					1	Base Sco	ore 0(pc	or) - 10(	good)		1		
	Low Priority 1 - High Priority 5	Base Score	Weight'd Score	Base Score	Weight'd Score	Base Score	Weight'd Score	Base Score	Weight'd Score	Base Score	Weight'd Score	Base Score	Weight'd Score	
Costs and Benefits														
Lowers Operations Costs	4	10	40	10	40		32	8	32	8	32		32	208
Reasonable Cost of Construction	4	0	0	5	20	0	0	8	32	8	32	8	32	116
Improves Educational Space	5	0	0	10	50		0			9	45	9	45	185
Investment Has Good Cost/Benefit	4	0	0	8	32	0	0	10	40	10	40	10	40	152
Facility Quality														
Existing School in Good Condition	5	1	5	1	5	6	30	4	20	5	25	3	15	100
Reduces Student Transitions	3	9	27	9	27	9	27	9	27	9	27	9	27	162
Brings Buildings Fully Up To Code	4	0	0	10	40	0	0	10	40	10	40	10	40	160
Brings Mech. and Elec. Systems Fully Up to Current Efficiency Codes	5	0	0	10	50	0	0	10	50	10	50	10	50	200
Aligns Student Capacity with Actual Student														
Population	5	0	0	10	50	0	0	10	50	10	50	10	50	200
Reduces Busing Costs	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Provides Good Geographic Distribution of Facilities	5	0	0	0	0	0	0	0	0	0	0	0	0	0
Civic Critera														
TBD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adaptability and Compatibility														
Potential for Future Expansion	3	2	6	2	6	8	24	7	21	8	24	3	9	90
Potential for Reuse if School is Closed	2	8	16	8	16	2	4	2		2	4	2	4	48
Site Size is Adequate	5	0	0	3	15	0	0	7	35	8	40	5	25	115
Site has Good Parking, Playfields, &														
Playgrounds	5	3	15	4	20	8	40	7	35	8	40	5	25	175
Building and Site are Good Community		_								_				. — -
Resources	4	4	16	10	40	5	20	8	32	8	32	8	32	172
Other Criteria														
Best Use of Bldg Limitations and Opportunities	4	10	40	0	0	0	0	0	0	10	40	10	40	120
Not used	0	0	0	0	0	0	0	0	0	0	0	0	0	0
														TOTAL
SUBTOTALS			165		411		177		463		521		466	2203

Schools, Two Grade 3 to Grade 5			A. Boutwell Early B								E. North		F. West Intermediate	
•		Childho	od	Childhood		Elementary	/	Element	ary	Intermediate				
Schools														
Through renovations and additions,		Close fac	ility	Close facility		Renovation a		Renovation and addition to create a		Renovation and addition to convert into			and addition	
consolidate to 4 schools. Two schools						K through G		Pre-K thro		Grades 3		elementary		
would provide Pre-K through Grade 2, and						School		Grade 2 S		elementa		elemental y	SCHOOL	
two schools would be for Grades 3 to 5.								0.000 = 0		0.0	.,			
They would be geographically balanced,														
with paired schools on each side of Town.														SUBTOTALS
Ranking Criteria	Weight					<u> </u>	Base Sco	re 0(po	or) - 10(g	ood)		l		002.0.7.20
	Low Priority 1 -	Base	Weight'd		Weight'd	Base	Weight'd	Base	Weight'd	Base	Weight'd	Base	Weight'd	
	High Priority 5	Score		Base Score	Score	Score	Score	Score	Score	Score	Score	Score	Score	
Costs and Benefits														
Lowers Operations Costs	4	10	40	10	40	8	32	8	32	8	32	8	32	208
Reasonable Cost of Construction	4	0	0	0	0	10	40	10	40	10	40	10	40	160
Improves Educational Space	5	0	0	0	0	10	50	10	50	10	50	10	50	200
Investment Has Good Cost/Benefit	4	0	0	0	0	10	40	10	40	10	40	10	40	160
Facility Quality														
Existing School in Good Condition	5	1	5	1	5	6	30	4	20	5	25	3	15	100
Reduces Student Transitions	3	9	27	9	27	9	27	9	27	9	27	9	27	162
Brings Buildings Fully Up To Code	4	0	0	0	0	10	40	10	40	10	40	10	40	160
Brings Mech. and Elec. Systems Fully Up to Current Efficiency Codes	5	0	0	0	0	10	50	10	50	10	50	10	50	200
Aligns Student Capacity with Actual Studen	t													
Population	5	0	0	0	0	10					50	10	50	200
Reduces Busing Costs	2	0	0	0	0	5	10	5	10	5	10	5	10	40
Provides Good Geographic Distribution of	_		•		•	40	50	40	50	40	50	4.0	50	200
Facilities	5	0	0	0	0	10	50	10	50	10	50	10	50	200
Civic Critera					-				0					
TBD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adaptability and Compatibility														
Potential for Future Expansion	3	2	6	_	6	·			21	8			9	
Potential for Reuse if School is Closed	2	8	16						16		16		16	
Site Size is Adequate	5	0	0	0	0	8	40	7	35	8	40	5	25	140
Site has Good Parking, Playfields, & Playgrounds	5	3	15	4	20	8	40	7	35	8	40	5	25	175
Building and Site are Good Community Resources	4	4	16	5	20	8	32	8	32	8	32	8	32	164
Other Criteria														
Best Use of Bldg Limitations and Opportunities	4	10	40	10	40	10	40	10	40	10	40	10	40	240
Not used	0	0												
		J				<u> </u>		Ü						TOTAL
SUBTOTALS	<u>s</u>		165		174		611		588		606		551	