

Space Needs Assessment City of Dover

Presentation by

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AG Architects, PC

Departments

- City Offices
- Police Department
- Library
- Recreation
- Facilities, Grounds and Cemetery

Process

- Evaluate Departments
 Questionnaires/Interviews
- Review Future Projections
 Population
 Staff
- Prepare Program of Spaces
- Perform Facility Evaluation
- Develop Conceptual Designs
- Provide Recommendation

Department Evaluation: Questionnaires

- Staffing
- Equipment
- Storage
- Customers
- Activities Performed

- Department Function
- Department Interaction
- Size of Space
- Public/Staff Meeting Space Requirements
- Comments

Department Evaluation: Interviews

- Thorough understanding of Department
- Review of Questionnaire data
- Inspection of space
- Summary for each Department

Department Evaluation: Adjacency/Interaction Matrix

	City Council	City Manger	City Attorney	Human Resources	Finance/Purchasing/Accounting	Assessing	City Clerk	Tax Collector	Water and Sewer	Planning - Planners/Office	Planning - Building Inspection	Planning - Community Development	Economic Development	MIS	Human Services (Welfare)	CS-Facilities/Grounds/Cemetery	CS-Public Works	CS-Engineering	CS-Fleet Services	CS-Utilities	CS-Environmental Programs	Water - Lowell Ave.	Recreation	Recreation - Indoor Pool	Recreation - Ice Arena	Library	Fire Department	Police Department	Police Outreach	School Department
City Council		5.0		3.0	1.0	1.0	5.0	1.0	1.0	2.5	1.0	2.0	1.0	1.0	1.0	1.0	-	-	-	-	-	-	3.0	1.0	4.0	1.0	2.0	1.0	-	-
City Manager			4.0	4.0	4.5	1.5	4.0	1.0	1.0	3.7	1.5	2.0	3.5	4.0	3.0	2.0	4.0	2.0	1.0	1.0	1.0	1.0	2.5	1.0	4.0	2.0	2.5	2.5	1.0	2.0
City Attorney				3.0	4.0	1.0	4.0	1.5	1.0	3.3	3.0	2.0	2.5	2.0	15	2.0	2.0	3.0	1.0	1.0	2.0	1.0	1.5	1.0	2.0	1.0	2.0	1.5	1.0	2.0
Human Resources					5.0	1.0	3.0	1.0		1.0	1.0		1.0	1.0	1.0	3.0	3.0	1.0	2.0	1.0	1.0	1.0	1.0			1.0	3.0	1.0	1.0	1.0
Finance/Purchasing/Accounting						4.0	2.0	5.0	5.0	3.3	1.5	3.0	1.0	4.0	3.5	3.5	3.0	3.0	2.0	-	3.0	1.0	3.5	2.0	4.0	3.0	3.0	3.0	1.0	2.0
Assessing							1.5	3.5	3.0	2.3	3.0	2.0	2.0	3.5	1.5	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
City Clerk								3.0	3.0	3.0	3.0	2.0	2.5	4.0	2.0	3.5	2.0	2.0	2.0	2.0	2.0	-	2.5	1.0	1.0	1.5	2.0	3.0	2.0	2.0
Tax Collector									4.0	2.3	1.5	1.0	1.0	3.0	1.5	2.5	2.0	2.0	2.0	2.0	2.0	1.0	2.0	1.0	1.0	2.0	1.5	1.5	1.0	3.0
Water and Sewer										4.0	4.0		1.0	2.0	1.0	2.0	5.0	3.0	1.0	5.0	1.0	1.0	1.0			1.0	1.0	1.0	1.0	1.0
Planning - Planners/Office											3.5	5.0	4.7	2.3	1.5	4.0	4.0	4.5	3.0	3.0	4.0	1.0	2.3	1.0	1.0	2.0	3.3	2.7	1.5	3.0
Planning - Building Inspection												4.0	3.0	2.0	1.0	3.5	4.0	5.0	3.0	4.0	3.0	1.0	1.5	1.0	1.0	1.5	5.0	3.0	1.0	2.0
Planning - Community Development													3.0	3.0	4.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	-	-	2.0	1.0	1.0	1.0	2.0
Economic Development														2.5	1.5	2.0	3.0	4.0	2.0	1.0	3.0	1.0	2.0	1.0	1.0	2.0	2.5	1.5	1.0	2.0
MIS															3.5	3.5	3.0	3.0	2.0	2.0	2.0	3.0	2.5	1.0	1.0	4.5	3.5	5.0	2.0	4.0
Human Services (Welfare)																3.0	1.0	1.0	1.0	1.0	1.0	1.0	2.5	1.0	1.0	2.0	2.5	2.0	2.0	2.0
CS - Facilities/Grounds/Cemetery																	5.0	5.0	5.0	5.0	4.0	2.0	5.0	4.0	3.0	4.5	3.0	3.5	4.0	3.0
CS - Public Works																					-		4.0	1.0	4.0	3.0	3.0	3.0	-	-
CS - Engineering																			-	-	-	-	2.0	1.0	1.0	1.0	4.0	2.0	-	-
CS - Fleet Services																					-		3.0	1.0	3.0	1.0	3.0	4.0	-	-
CS - Utilities																					-	-	1.0	1.0	1.0	1.0	3.0	1.0	-	-
CS - Environmental Programs																							1.0	1.0	1.0	2.0	2.0	1.0		-
Water - Lowell Ave.																							1.0	1.0	1.0	1.0	1.0	1.0	-	-
Recreation																								5.0	5.0	2.5	2.0	2.5	4.0	4.0
Recreation - Indoor Pool																										1.0	2.0	3.0	2.0	1.0
Recreation - Ice Arena																										1.0	1.0	1.0	1.0	2.0
Library																											1.5	2.0	1.0	4.0
Fire Department																												3.0	2.0	3.0
Police Department																													5.0	3.0
Police Outreach																														5.0
School Department																														

- 1 Not Important
- 2 Moderately Unimportant
- 3 Average Importance
- 4 Moderately Important
- 5 Highly Important

NOTES: 1) Dashes are due to several departments not being included in surveys.

There are several departments with responses from only that Department.

Future Projections: Population

	New Hampshire	Strafford County	City of Dover
	New Hampshire	Strailord County	City of Dover
Population			
1970	737,578	70,069	20,850
1980	920,475	85,604	22,377
1990	1,109,117	104,233	25,042
2000	1,235,786	112,233	26,884
2010	1,365,000	124,488	29,310
2020	1,470,000	134,211	30,450
2030	1,565,000	142,885	31,250
Percent Change			
1970-1980	24.80%	22.10%	7.30%
1980-1990	20.50%	21.80%	11.90%
1990-2000	11.40%	7.70%	7.40%
2000-2010	10.50%	10.90%	9.00%
2010-2020	7.70%	7.80%	3.90%
2020-2030	6.50%	6.50%	2.60%

Source: U.S. Census Bureau, New Hampshire Office of Energy and Planning

Future Projections: Staff

				1				
	20	007	20	17	20	27		
	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time		
Council	9	0	9	0	9	0		
City Clerk	3	1	4	1-2	4	1-2		
City Manager	2	0	2	0	2	0		
Human Resources	1	0	2	0	2	0		
Finance-Acct. & Purch.	3	0	4	0	5	0		
Finance-Assessing	4	1	5	1	6	1		
Finance-Water & Sewer	2	0	2	0	2	0		
Finance-Tax Collector	2	2	2	2	2	2		
Planning-Office	3	0	3	0	3	0		
Planning-Planners	3	0	3	0	3	0		
Planning-Inspector	4	1	5	1	7	2		
Planning-Comm. Dev.	1	0*	1	0	1	0		
MIS	1	1	3	1	4	2		
Legal	2	0	4	2	6	2		
Economic Development	1	0	2	0	2	0		
Human Services (Welfare)	3	0	3?	2	3?	2		
Library	9	17	10	19	12	21		
Police	63	21	66	23	69	25		
Recreation-McConnell Ctr	5	25	8	30	12	40		
Recreation-Indoor Pool	1	2 + 18	2+18	4	2+18	4		
Recreation-Ice Arena	5	20	5	20+	5	20+		
Facilities and Grounds	12+9**	4	12+9**	4	12+9**	4		

^{* 3} Part-Time in Planning Office

^{**} Seasonal Full-Time

Program of Spaces

City of Dover - City Hall Program Summary

AG Architects Project No. 07-533 11 April 2007

Room Name	Current	Proposed	Comments
	SF	SF	
City Council Chambers			
Council Chambers	1,009	1,400	Accommodate 11-12 seats at front for Council
			Boards; provide monitors at Council dais;
			increase public seating at rear; improve Board
			presentation capabilities, improve lighting,
			provide AC
Council Conference Room	400	600	Meeting capacity of 20+; utilize for public mtgs.
Media Equipment Room	36	80	View Council Chambers

Recommendations: Size

Department	Existing	Proposed
City Offices	30,499 GSF	41,452 GSF
Police Department	13,159 GSF	35,802 GSF
Library	20,833 GSF	37,542 GSF
Facilities, Grounds and Cemetery	7,698 GSF	8,340 GSF

Facility Evaluation: Format

- Site
- Exterior Condition
- Interior Condition
- Size
- Mechanical/Plumbing/Electrical Systems

SIZE

Facility Evaluation: City Hall/Police Station

Lower Level:

Police Station	13,159 GSF
Stairs/Elevator	901 GSF
Mechanical	<u>1,254 GSF</u>
	15,314 GSF

First Floor:

City Hall Departments	4,640 GSF
Stairs, Corridor, Elevator	2,383 GSF
	15,222 GSF

Second Floor:

City Hall/School Depts.	6,614 GSF
Stairs, Corridors, Elevator	2,521 GSF
Auditorium, Stage	6,142 GSF
_	45,813 GSF



Design Concept

Option A

Expand/Renovate existing Police Station at City Hall and expand/renovate City Hall

Option B

Relocate Police Station to a new site; renovate City Hall

Design Concept Option A Site



Design Concept Option A Basement



Design Concept Option A First Floor



Design Concept Option A Second Floor



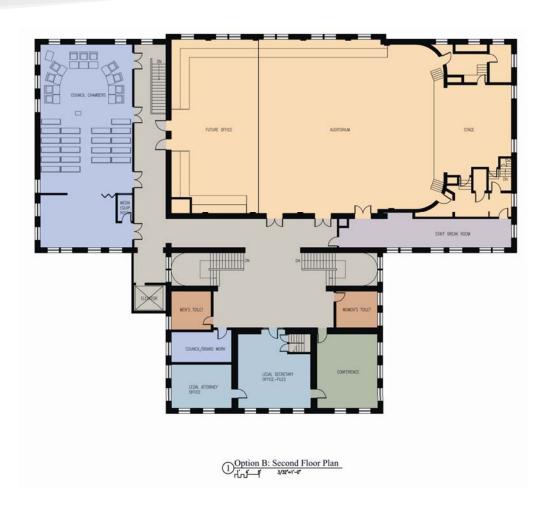
Design Concept Option B Basement



Design Concept Option B First Floor



Design Concept Option B Second Floor



Design Concept

	Option A	Option B
Design Description		
Advantages/Disadvantages		
Size	80,724 GSF	79,120 GSF
Phasing		
Estimated Construction Time	20-24 mos	19-24 mos
Estimated Construction Cost	\$15,915,000-	\$14,780,000-
	\$17,985,000	\$17,355,000

Design Comparison Matrix

Option A
Expand/Renovate
City Hall and Police Station

\$15,915,000 - \$17,985,000

Option B New Police Station/ Renovate City Hall

\$14,780,000 - \$17,355,000

Evaluation Criteria	Importance								
	Value	Rating	Sum	Rating	Sum				
Functional Plan/Service to Public	25%	3	0.75	4	1.00				
Positive City Image/Aesthetics	15%	1	0.15	5	0.75				
Ease of Public Access	10%	4	0.40	5	0.50				
Availability of Parking	10%	1	0.10	4	0.40				
Quality of Interior Space (Windows)	10%	1	0.10	4	0.40				
Future Expansion Possibilities	10%	1	0.10	5	0.50				
Security	10%	1	0.10	4	0.40				
Construction Time	5%	2	0.10	2	0.10				
Simplicity of Construction	5%	1	0.05	4	0.20				
Total Score	100%		1.85		4.25				

Recommendation

