

PUBLIC WORKS – OPTION 1 (new facility)

Option One described a new facility with a program area of 24,800 square feet on a building site to be determined. The facility program (Refer Table 7) is based on an analysis of the existing facility, information provided by Town Engineer Edwin Betz and applying planning standards from comparable municipal facilities.

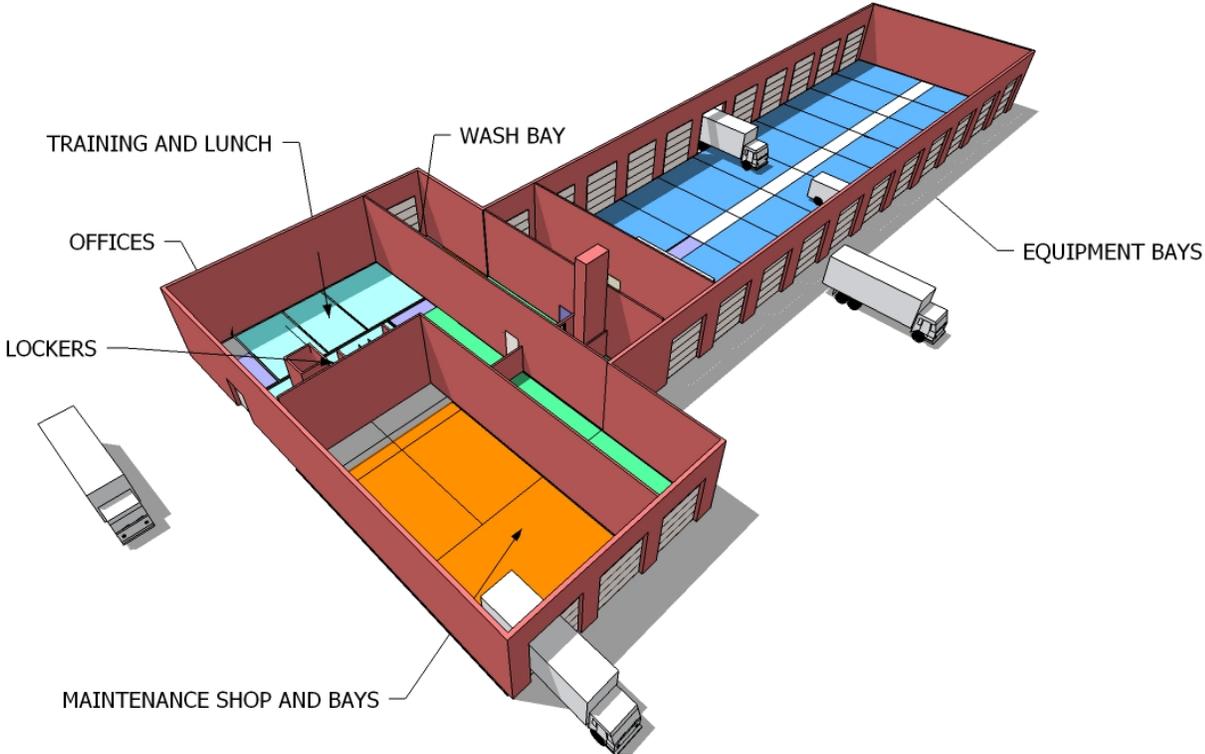


Figure 42 - Proposed Public Works Building

PROJECTED FACILITY PROGRAM & PROJECT BUDGET

FACILITY **PUBLIC WORK - New Facility**
 CLIENT **Peterborough, NH**
 PROJECT **Municipal Facility Study**

FACILITY PROGRAM			
Major Functional Areas	Description	Notes	Proposed Area
General	general public functions		690
Staff Areas	staff administrative functions		1,355
Vehicle Garage Bays	vehicle storage		12,915
Maintenance	general work areas		5,712
Building Services	mechanical & electrical		462
Total Program Area (Net Square Foot)			21,134
	Wall and Chase Factor	5%	1,057
	Circulation Factor	2%	423
	Schematic Design SF Factor	10%	2,113
Subtotal of Adjustment Factors			3,593
Gross Floor Area			24,726

Project Budget Summary			
Construction Description	Cost/SF	Proposed Costs	
New Building (Shell and Finishes)	24,726	\$65	\$1,607,203
Masonry		\$10	\$247,262
Equipment		\$5	\$123,631
Plumbing		\$5	\$123,631
HVAC		\$10	\$247,262
Electrical		\$15	\$370,893
Means Cost Index (Median Construction)		\$110 per SF	

Project Summary of ALL Costs

A	Building Costs		\$2,719,881
B	Fixed Equipment (% of A)	2%	\$54,398
C	Site Development Costs (% of A)	10%	\$271,988
D	TOTAL CONSTRUCTION COSTS		\$3,046,267
E	Moveable Furniture & Equipment (% of A)	2%	\$54,398
F	Professional Fees (% of D)	8%	\$243,701
G	Contingencies/Inflation (% of D)	10%	\$304,627
TOTAL PROJECT COSTS			\$3,648,993

Table 7 – Project Budget for New Public Works Facility



PUBLIC WORKS – OPTION 2 (renovated facility)

Option Two described expanding the existing public works facility at its current location by construction a new vehicle garage addition and renovating portions of the existing building in order to comply with the facility program (Refer to Table 8).

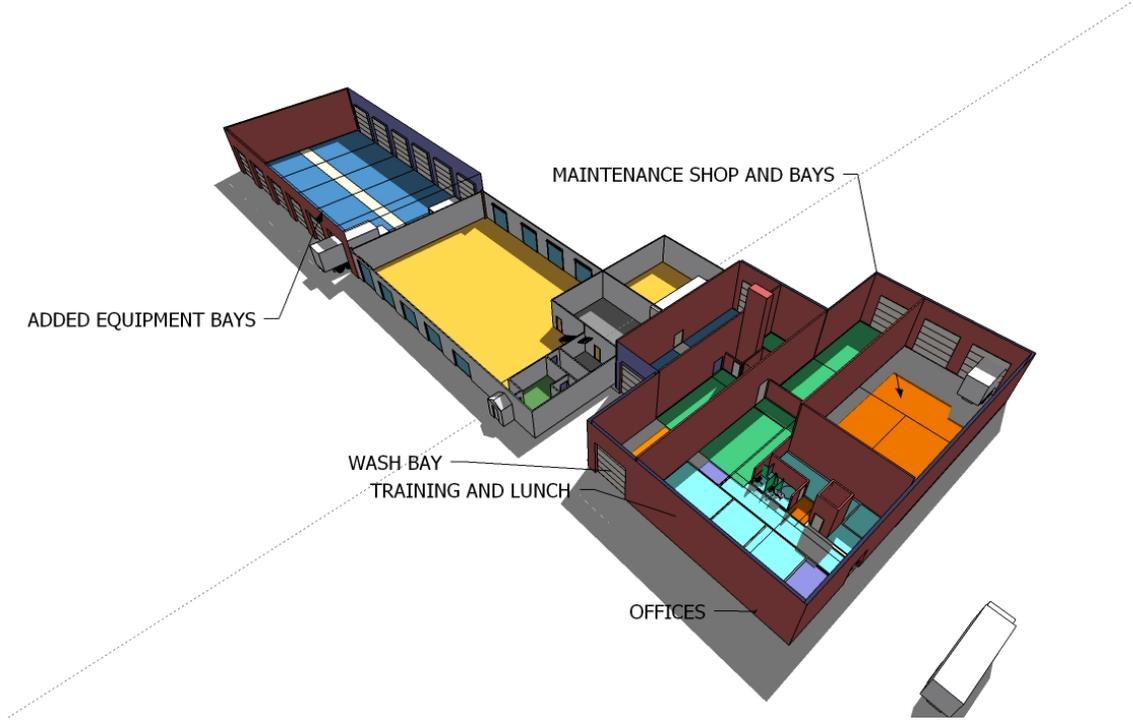


Figure 43 - Public Works Barn Expansion

PROJECTED FACILITY PROGRAM & PROJECT BUDGET

FACILITY **PUBLIC WORK - Renovation**
 CLIENT **Peterborough, NH**
 PROJECT **Municipal Facility Study**

FACILITY PROGRAM			
Major Functional Areas	Description	Notes	Proposed Area
General	general public functions		690
Staff Areas	staff administrative functions		1,355
Vehicle Garage Bays	vehicle storage		12,915
Maintenance	general work areas		5,712
Building Services	mechanical & electrical		462
Total Program Area (Net Square Foot)			21,134
	Wall and Chase Factor	5%	1,057
	Circulation Factor	2%	423
	Schematic Design SF Factor	10%	2,113
Subtotal of Adjustment Factors			3,593
Gross Floor Area			24,726

Project Budget Summary				
	Construction Description		Cost/SF	Proposed Costs
	New Building Shell and Finishes	14000	\$85	\$1,190,000
	Masonry		\$5	\$123,631
	Equipment		\$3	\$74,179
	Plumbing		\$4	\$98,905
	HVAC		\$7	\$173,083
	Electrical		\$10	\$247,262
	Renovation of Existing Building	10000	\$25	\$250,000
	Means Cost Index (Median Construction)		\$114	per SF
Project Summary of ALL Costs				
A	Building Costs		\$77	\$1,907,060
B	Fixed Equipment (% of A)		2%	\$38,141
C	Site Development Costs (% of A)		5%	\$95,353
D	TOTAL CONSTRUCTION COSTS			\$2,040,554
E	Moveable Furniture & Equipment (% of A)		2%	\$38,141
F	Professional Fees (% of D)		8%	\$163,244
G	Contingencies/Inflation (% of D)		10%	\$204,055
	TOTAL PROJECT COSTS			\$2,445,995

Table 8 - Project Budget Renovated Public Works Facility



WASTE WATER TREATMENT PLANT – OPTION 1 (new facility)

Option One described new facilities with a total program area of 7,500 square feet, which would be constructed on the existing site of the current waste water treatment plant. The facility program is based on an analysis of the existing facility, information provided by Stephen Rheaume and Town Engineer Edwin Betz (Refer to Table 9).

PROJECTED FACILITY PROGRAM & PROJECT BUDGET

FACILITY **WASTE WATER TREATMENT PLANT - New Facility**
 CLIENT **Peterborough, NH**
 PROJECT **Municipal Facility Study**

Facility Program	Description	Notes	1000 200	Proposed Area
Major Functional Areas				
Waste Water Treatment	general functions			1,610
Staff Areas	staff administrative functions			2,237
Building Services	mechanical & electrical			1,155
Storage Facilities	general work areas			1,428
Total Program Area (Net Square Foot)				6,430
	Wall and Chase Factor	5%	321	
	Circulation Factor	2%	129	
	Schematic Design SF Factor	10%	643	
Subtotal of Adjustment Factors				1,093
Gross Floor Area				7,523
Vehicle Garage	vehicle storage			2,825
				10,347
Project Budget Summary				
Construction Description	Cost/SF	Proposed Costs		
Garage Storage Building	Building Shell and Finishes	\$90	254,205	
Waste Water Treatment Facility	Building Shell and Finishes	\$80	\$601,825	
	Masonry	\$15	\$112,842	
	Equipment	\$5	\$37,614	
	Plumbing	\$10	\$75,228	
	HVAC	\$14	\$105,319	
	Electrical	\$20	\$150,456	
Means Cost Index (Median Construction)			\$144	per SF
Project Summary of ALL Costs				
A	Building Costs	\$129	\$1,337,489	
B	Fixed Equipment (% of A)	25%	\$334,372	
C	Site Development Costs (% of A)	15%	\$200,623	
D	TOTAL CONSTRUCTION COSTS		\$1,872,485	
E	Moveable Furniture & Equipment (% of A)	5%	\$66,874	
F	Professional Fees (% of D)	12%	\$224,698	
G	Contingencies/Inflation (% of D)	10%	\$187,248	
TOTAL PROJECT COSTS			\$2,351,306	

Table 9 Project Budget New Waste Water Treatment Plant

