

2020-2029 CIP Project Request Form

Project Title:	Dockside Docks	Town Manager Authorization (Signature and Date of Signing)	
Project Department:	Public Works	Department Head Authorization (Signature and Date of Signing)	
Project Contact Name:	DW Ford	Original Form Date:	8/13/2019
Project Cost:	\$ 400,000	Form Revision Date(s):	
Project Number:	To Be Completed by Planning		
Project Cost Estimate Source: (Vendor/Study/Etc.)	Tighe & Bond, Inc.		

Project Description/Background: Town docks have been evaluated by consultants Tighe & Bond and issued an Assessment and Asset Management Study, dated 9-14-17. The report provides condition assessment of Docks and seawalls. The Town is applying for a Tier 1 Boat Infrastructure Grant to assist in funding. Propose to phase project over multiple years. In 2020 planning on replacing and upgrading Finger docks A-D (Replace and upgrade, decking, pile caps, stringers and fender Piles at a cost of \$400,000)

Other Information	
Project Location/Address:	Dockside
Project Start OR Equipment Purchase Year:	2020
First Year Funding is Requested (Bonds Only):	2020
Placeholder (Y/N)	No
Department Project Ranking (Rank 1-X for 2020 Projects Only)	1
Department Project Priority (Urgent/Necessary/Desirable):	Urgent
Asset Management Plan (Y/N):	Yes
Recommended by Asset Management Plan? (Y/N)	Yes
Master Plan Recommendation Reference (Y/N):	Yes

4 phase plan

Energy Considerations? (Y/N) - If Yes, Please Describe:	
Estimated Useful Life (Years):	45 years (ipe decking 45 years, Pressure Treated 20 years)
Estimated Annual Operating Impact (\$):	Reduced manhours by 80 hours, approx. \$5k for decking & Rub strips, total WAG = \$7,000

Cost Estimate	
Planning/Feasibility Analysis	
Architecture and Engineering	\$ 56,000
Real Estate/Land Acquisition	
Equipment/Materials/Furnishings	
Vehicles and Capital Equipment	
Site Preparation	
Construction	\$ 344,000
Other	
TOTAL	\$ 400,000

Project Rationale	
Reduces Liability (Y/N)	Yes
Public Health or Safety (Y/N)	Yes
External Mandate (State/Federal) (Y/N)	Not yet
Growth in Service Demand (Y/N)	Yes
Reduces Long Term Debt (Y/N)	No
ADA Compliance (Y/N)	Yes
Energy Use Reduction (Y/N)	Not sure
Other	

Project Type	
Building Projects (Y/N)	No
Rolling Stock Projects (Y/N)	No
Road/Sidewalk Projects (Y/N)	No
Electric Projects (Y/N)	No
Other Infrastructure Projects (Y/N)	Yes

Vehicles Only	
Make	
Year	
Current Mileage OR Hours	
Condition	
Annual Maintenance Costs (3-Yr Average)	

Attachment List (Studies, Supporting Spreadsheets, Etc.)

1-Tighe & Bond report dated 9-14-17	2-Letter of Interest	3-Phasing Plan
-------------------------------------	----------------------	----------------

ENGINEERS OPINION OF COST

PROJECT: Wolfeboro Town Docks
CLIENT: Town of Wolfeboro, NH
DOCKS A TO D RECONSTRUCTION

30% (DRAFT)
90% (FINAL)
OTHER
BUDGET X

DATE PREPARED: August 12, 2019 rev
PREPARED BY: TPD
CHECKED BY: DCM Modified by DWF 8-13-19

ITEM DESCRIPTION	QUANTITY	UNIT	MATERIAL COST		LABOR/EQUIP COST		TOTAL ESTIMATE	
			UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
Existing Dock Repairs								
Remove decking, stringers, pile caps, rub strips, dispos.	4347	SF	\$0	\$0	\$10	\$43,470	\$10	\$43,470
Pile Caps (12 x 12 x 8')	61	EA	\$180	\$10,971	\$350	\$21,333	\$530	\$32,304
Stringers (4 x 10 x 22')	329	EA	\$120	\$39,537	\$120	\$39,537	\$240	\$79,074
Decking (5/4 x 6 x 8' lpe)	4347	SF	\$10.35	\$44,991	\$1.13	\$4,925	\$11	\$49,917
Fender Piles (6-8" Dia. x 25' avg)	93	EA	\$100	\$9,315	\$220	\$20,493	\$320	\$29,808
Cross Bracing (L2x2x3/8 FRP)	89	EA	\$70	\$6,199	\$100	\$8,855	\$170	\$15,054
Section Subtotal								\$249,626
Town Project Manager								\$24,000
Misc. including: Wall repairs, electrical and landscaping								\$48,000
Contingencies (10%)								\$24,963
Permitting, Final Design & Bid Documents allowance								\$20,000
Construction Engineering Services (5%)								\$12,481
General Conditions, Mobilization & Demobilization								\$20,000
PROJECT TOTAL								\$399,069

This is an engineer's opinion of probable construction costs (OPCC). Tighe & Bond has no control over the cost or availability of labor, equipment or materials, or overall market conditions or the contractor's method of pricing, and that the estimates of probable construction costs are made on the basis of the Tighe & Bond's professional judgement and experience. Tighe & Bond makes no guarantee nor warranty, expressed or implied, that the bids or the negotiated cost of the work will not vary from this estimate of the probable construction cost. This is a Class 3 estimate based on AACE categories.

Dock length with the following measurements:	length (ft)	width (ft)	Area (SF)	Docks A to D	
				deck (SF)	caps (EA)
Dock A	120.5	8	964		
Dock B	140.7	8	1125.6		
Dock C	141	8	1128		
Dock D	141.2	8	1129.6	4347.2	58.3
Dock E	133.3	8	1066.4		
Dock F	90.1	8	720.8		
Dock G	88.2	8	705.6		
Shoreline Connector Dock	120	6	720		
sum	975	sum	7560		
est pile caps	105.5				
stringers	573				
fender piles	162.2				
X-8	76.7				

[illegible]