

BRIDGE REHABILITATION & REPLACEMENT PROGRAM

The priority listing of bridges is based upon various criteria (State inspection, City review, etc.). The State has established a "Red List" of bridges that have been identified as being deficient and in need of extensive repair or replacement. These particular bridges are inspected twice per year, and could require action at anytime. The list presented below also includes other bridges that are approaching the end of their useful lives.

Location	Red Listed?	Funding	Begin Construction	Estimates			Notes
				Design	Construction	Total	
Spring Street over Beaver Brook	Yes	FY03	FY09	\$74,790	\$423,810	\$498,600	State has programmed for FY09 Funding.
Harrison Street over Beaver Brook	Yes	FY05	FY11	\$71,002	\$402,343	\$473,345	State has programmed for FY11 funding.
Main Street over Beaver Brook	Yes	FY04	FY16	\$102,000	\$578,000	\$680,000	On State bypass plan as interim improvement as of November 07.
Roxbury Street over Beaver Brook	Yes	FY06		\$123,349	\$698,977	\$822,326	Awaiting State review and estimate. Requested October 06.
E. Surry Road over Sturtevant Brook	Yes	FY07	FY13	\$31,762	\$179,986	\$211,748	
Church Street over Beaver Brook	No	FY08	FY12	\$101,090	\$572,844	\$673,934	
George Street over Black Brook	Yes	FY09	FY14	\$96,029	\$544,164	\$640,193	
Maple Avenue over Black Brook	No	FY10	FY15	\$84,780	\$480,420	\$565,200	
Beaver Street over Beaver Brook	Yes	FY11	FY16	\$91,980	\$521,220	\$613,200	
Whitcomb's Mill Road	Yes	FY 12	FY17	\$57,240	\$324,360	\$381,600	Temporary repairs completed in 2006

Projects would be eligible for the State's Municipal Bridge Aid program of cost sharing, 20% Municipality, 80% State Funding. Currently, there is a four (4) year delay in the receipt of State funding. Base costs estimated have been updated from bids received on Concord Road Bridge (completed in 2006). Assumes 3% inflation rate. Costs are adjusted as design is completed.

Additionally, due to a failing wingwall the bridge located on Roxbury Road over Otter Brook is being monitored and depending on the extent of failure rate is determined it may be necessary to add the bridge to the rehabilitation list.

Notes:

Island Street over Ashuelot River	6 Ton, Red List	\$1,200,000	City appropriated \$397,000 in FY 2000. Scheduled to be completed as part of the Bypass Project, however removed from 10 year plan.
Winchester Street over Ash Swamp Brook	Red List	\$650,000	Removed from State's 10 year plan. Will need to integrate into replacement program with partial City Funding.)

Due to funding levels and demands on the Municipally Managed Bridge Program the State is committing its anticipated funds far in advance (between 4 to 6 years out). To able to be placed in the schedule for anticipated funds the State requires the municipality to appropriate its share of the current cost estimate. Staff is proposing the bridge replacement program continue to be funded at the current pace.

CITY OF KEENE, NEW HAMPSHIRE
Bridge Rehabilitation and Replacement Program

FUNDING SCHEDULE:	Prior	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY17	TOTALS
Court Street - City (FY 02)	\$238,500	\$341,500										
Court Street - State		\$2,320,000										\$2,900,000
Spring Street - City	\$76,600			\$23,120								
Spring Street - State				\$398,880								\$498,600
Main Street - City	\$128,000				\$8,000							
Main Street - State					\$544,000							\$680,000
Harrison Street - City	\$91,400			\$3,267								
Harrison Street - State				\$378,678								\$473,345
Roxbury Street - City	\$151,800				\$12,665							
Roxbury Street - State					\$657,861							\$822,326
East Surry Road - City	\$42,350											
East Surry Road - State						\$169,398						\$211,748
Church Street - City		\$134,787										
Church Street - State							\$539,147					\$673,934
George Street - City			\$128,039									
George Street - State								\$512,154				\$640,193
Maple Avenue - City				\$113,040								
Maple Avenue - State									\$452,160			\$565,200
Beaver Street- City					\$122,640							
Beaver Street- State										\$490,560		\$613,200
Whitcombs Mill Road- City						\$76,320						
Whitcombs Mill Road- State											\$305,280	\$381,600
Total City	\$728,650	\$476,287	\$128,039	\$139,427	\$143,305	\$76,320	\$0	\$0	\$0	\$0	\$0	\$1,692,028
Total State	\$0	\$2,320,000	\$0	\$777,558	\$1,201,861	\$169,398	\$539,147	\$512,154	\$452,160	\$490,560	\$305,280	\$6,768,118
Grand Total	\$728,650	\$2,796,287	\$128,039	\$916,985	\$1,345,166	\$245,718	\$539,147	\$512,154	\$452,160	\$490,560	\$305,280	\$8,460,146
EXPENDITURE SCHEDULE:												
COURT STREET - Design	\$435,000											
COURT STREET - Construction		\$2,465,000										\$2,900,000
SPRING STREET - Design		\$74,790										
SPRING STREET - Construction				\$423,810								\$498,600
MAIN STREET - Design		\$102,000										
MAIN STREET - Construction				\$578,000								\$680,000
HARRISON STREET - Design		\$71,002										
HARRISON STREET - Construction				\$402,343								\$473,345
ROXBURY STREET - Design			\$123,349									
ROXBURY STREET - Construction					\$698,977							\$822,326
EAST SURRY ROAD - Design				\$31,762								
EAST SURRY ROAD - Construction						\$179,986						\$211,748
CHURCH STREET - Design					\$101,090							
CHURCH STREET - Construction							\$572,844					\$673,934
GEORGE STREET - Design					\$96,029							
GEORGE STREET - Construction								\$544,164				\$640,193
MAPLE AVENUE - Design						\$84,780						
MAPLE AVENUE - Construction									\$480,420			\$565,200
BEAVER STREET- Design							\$91,980					
BEAVER STREET- Construction										\$521,220		\$613,200
WHITCOMBS MILL- Design								\$57,240				
WHITCOMBS MILL- Construction											\$324,360	\$381,600
Total Design	\$435,000	\$247,792	\$123,349	\$31,762	\$197,119	\$84,780	\$91,980	\$57,240	\$0	\$0	\$0	\$1,269,022
Total Construction	\$0	\$2,465,000	\$0	\$1,404,153	\$698,977	\$179,986	\$572,844	\$544,164	\$480,420	\$521,220	\$324,360	\$7,191,124
Grand Total	\$435,000	\$2,712,792	\$123,349	\$1,435,915	\$896,096	\$264,766	\$664,824	\$601,404	\$480,420	\$521,220	\$324,360	\$8,460,146



CITY OF KEENE, NEW HAMPSHIRE
2009 - 2014 CIP Project Description

GENERAL PROJECT DATA: Project Name: Bridge Program Portfolio: Municipal Development Services Department: Public Works Division: Engineering/Highway Location: Various	PROJECT PRIORITY: Mandate: N Council Goal: N Community Goal: Y Organizational Goal: Y	Specify Trans.	MASTER PLAN INFORMATION Specify:	PROJECT SCHEDULE	FY09	FY10	FY11	FY12	FY13	FY14
				Design	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
				Construction	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Provide for the repair and replacement of deteriorated bridges throughout the City. The State inspects the City's bridges every other year, identifying concerns and potential problems. It has placed eleven (11) bridges on its "Red List", which contains bridges with known deficiencies and which it inspects twice a year. Many of the non-red listed bridges have reached or are rapidly approaching the end of their useful lives and are in need of major repairs, abutment and deck repairs. There is a State sponsored bridge aid program that provides cost sharing with 20% Municipality and 80% State funding.

Due to the needs in the State and competition for funds the State is allocating resources three to four years in advance. In order to continue the replacement of "Red" listed bridges, funding is requested at the current pace. The City must commit City funds in order to be placed on the State's funding priority list.

RATIONALE:

The transportation system is an important element of Keene's infrastructure. The City is responsible for the maintenance of 32 bridges which provide critical transportation links to the various parts of the City.

OPERATING BUDGET IMPACT:

FINANCIAL PLAN								
	PRIOR	FY09	FY10	FY11	FY12	FY13	FY14	TOTAL
EXPENDITURES:								
pre design								\$0
design		123,349	31,762	197,119	84,780	91,980	57,240	586,230
construction		0	1,404,153	698,977	179,986	572,844	544,164	3,400,124
TOTAL	\$0	\$123,349	\$1,435,915	\$896,096	\$264,766	\$664,824	\$601,404	\$3,986,354
FUNDING:								
current rev.		\$128,039	\$139,427	\$143,305	\$76,320	\$0	\$0	\$487,091
short term								0
long term								0
federal								0
state			777,558	1,201,861	169,398	539,147	512,154	3,200,118
other								0
TOTAL	\$0	\$128,039	\$916,985	\$1,345,166	\$245,718	\$539,147	\$512,154	\$3,687,209
OPERATING BUDGET IMPACT:								
personnel								\$0
non-personnel								0
capital								0
debt service								0
TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

