

Richmond Highway Department
Restructuring of staff and new projects proposal

12-8-21

Restructuring Proposal

Eliminate grounds maintenance duties from the Highway Department and the need for part-time employees. This will reduce the salary line by \$21,000.

Reduce the highway maintenance budget by \$5000 to reflect the reduction in gas and park mower repair needed to operate the grounds equipment. Revision of the capital plan will be need for the replacement schedule of the current grounds maintenance equipment.

The associated costs for grounds maintenance would be bid out annually and would become the responsibility of the department that is served. Highway has absorbed the labor, fuel, equipment and repair costs for over 25 years which is not Highway related.

Fill the vacant full-time position and restructure summer Highway work plan.

Additional projects to be completed with full time highway staff and equipment

Additional roadside mowing (from 10 weeks to 15 weeks annually)

Excavate and replace the storm water system, asphalt sidewalks and curbing on Bridge Street

Excavate and install new sidewalks and curbs on East Main Street in conjunction with Rt.2 project

Excavate and replace stormwater line from East Main Street to Pleasant Street

Replace deteriorated section of West Main Street concrete sidewalk from Millet Street to Jericho Road

Contracted annual Town Property mowing and trimming per department. Includes spring and fall cleanup

Town Center	26 weeks @ \$50/wk	\$ 1,300
Library	26 weeks @ \$50/wk	\$ 1,300
Fire Station	26 weeks @ \$80/wk	\$ 2,080
Recreation	26 weeks @ \$1050/wk	\$27,300

(Includes: Volunteer's Green, Browns Court, Jericho Road green belt, Round Church, Historical Society parcel and depot Street)

Riverview Cemetery	26 weeks @ \$600/wk	\$15,600
Bridge Street Cemetery	26 weeks @ \$ 100/wk	\$ 2,600

Total annual Town Property maintenance **\$50,180**

Bridge Street cost summary and comparison

(Remove and upgrade existing asphalt sidewalk between Railroad Street and Volunteers Green. Stay in same location as existing sidewalk. Install concrete curbing on East side of Bridge Street from Jolina Court to Giffords. Estimated project time 4 weeks.)

<u>Item</u>	<u>Contractor</u>		<u>Town</u>	
Remove and dispose of 840 linear feet of asphalt sidewalk	\$10/lf	8,400		0
Prep and install 840 linear feet of concrete sidewalk and curb	\$180/lf	151,200	\$80/lf	67,200
Sidewalk green strip	\$20/lf	16,800	\$.60/lf	500
Excavate and remove 700 linear feet of 12" CMP pipe	\$ 30/lf	21,000	\$ 10/lf	7,000
Install 700 linear feet of 18" HDPE culvert pipe	\$100/lf	70,000	\$ 30/lf	21,000
Patch asphalt between street and curb	LS	3,000	LS	1,000
Erosion control	LS	1,000	LS	500
Seed and mulch / driveway restoration	LS	3,000	LS	500
Traffic Control 4 weeks	\$700/dy	14,000		0
Engineering and oversight	\$1000/dy	20,000		N/R
Install 6 new catch basins with 24 inch sumps	\$3000	18,000	\$1000	6,000
Road signage and message boards	LS	5,000	LS	4,000
Bonds 10%		3,314		N/R
<u>Subtotal</u>		<u>334,714</u>		<u>107,700</u>
<u>Contingency 15%</u>		<u>50,207</u>		<u>16,155</u>
Total estimated Bridge Street sidewalk, storm and curb cost		\$384,921		\$123,855

East Main Street cost summary and comparison

(Remove and replace existing asphalt sidewalk on both sides of East Main Street. Estimated project time 8 weeks. Storm drains, culvert replacement and road replacement by VTRANS. Project has already been engineered by Green Mountain Engineering)

<u>Item</u>	<u>Contractor</u>		<u>Town</u>	
Excavate and dispose of 2230 linear feet of asphalt sidewalk	\$10/lf	22,300		0
Base prep and install 2230 linear feet of concrete sidewalk	\$160/lf	356,800	\$80/lf	178,400
Sidewalk green strip / seed and mulch	\$20/lf	44,600	\$.60/lf	1,338
Prep and install 2230 linear feet of concrete curb	\$20/lf	44,600	\$10/lf	22,300
Traffic Control 8 weeks	700/dy	28,000		0
Driveway reclamation	L/S	5,000	L/S	2,000
Road signage and message boards	L/S	5,000	L/S	4,000
Engineering and oversight	1000/dy	40,000		N/R
Bonds 10%	L/S	5,500		N/R
VTRANS permits	L/S	100		No fee
Subtotal		551,900		208,038
Contingency 15%		82,785		31,205
Total East Main Street concrete sidewalk, curb and green strip		\$634,685		\$239,243
Alternate Install 2230 linear feet of granite curb	\$50/lf	(111,500)	\$30/lf	(66,900)
Total East Main Street concrete sidewalk, granite curb and green strip		\$700,835		\$283,543

East Main Street stormwater piping from Rt.2 to Pleasant Street cost summary and comparison

(Remove existing clay storm drain pipe and replace with HDPE culvert pipe from Rt.2 to Pleasant Street. Estimated project time 2 weeks. Project has already been engineered by Green Mountain Engineering.)

<u>Item</u>	<u>Contractor</u>		<u>Town</u>	
Excavate and remove 345 linear feet of existing clay storm pipe	\$20/lf	6,900	\$10/lf	3,450
Install 345 linear feet of 24" HDPE culvert pipe	\$100/lf	34,500	\$40/lf	13,800
Excavate and replace unsuitable material	LS	1,500		N/C
Topsoil, lawn reclamation	LS	5,000	LS	1,000
Seed and mulch	LS	2,000	LS	1,000
Driveway reclamation	LS	1,000	LS	500
Engineering and oversight	1000/dy	10,000		N/R
Bonds 10%		6,090		N/R
<u>Subtotal</u>		<u>60,900</u>		<u>19,750</u>
<u>Contingency 15%</u>		<u>9,135</u>		<u>2,962</u>
Total stormwater line replacement from Rt.2 to Pleasant Street		\$70,035		\$22,712

Northwest Main Street concrete sidewalk replacement cost summary and comparison

(Remove and replace existing concrete sidewalk on Northwest Main Street from Millet Street to Ski Express. Estimated project time 2 weeks. Remove and replace in same location.)

<u>Item</u>	<u>Contractor</u>		<u>Town</u>
Excavate and dispose of 500 linear feet of concrete sidewalk	\$10/lf	5,000	0
Base prep and install 500 linear feet on concrete sidewalk and curb	\$180/lf	90,000	\$90/lf 45,000
Traffic Control	\$700/dy	7,000	0
Road Signage and message boards	L/S	5,000	L/S 4,000
Engineering and oversight	\$1000/dy	10,000	N/R
Erosion Control / seed and mulch	L/S	3,000	L/S 1,000
Driveway reclamation	L/S	5,000	L/S 2,000
VTRANS permits		100	No fee
Bonds 10%		11,710	N/R
Subtotal		\$136,810	\$52,000
Contingency 15%		\$20,521	\$7,800
Total Northwest Main Street concrete sidewalk replacement		\$157,331	\$59,800

Projects summary and estimated year of construction

<u>Project</u>	<u>Contracted cost</u>	<u>Town cost</u>	<u>Construction year / FY</u>
Bridge Street	\$384,921	\$123,855	Summer 22 FY 22/23
West Main Street sidewalk	\$157,331	\$ 59,800	Summer 23 FY 23/24
Stormwater line replacement	\$ 70,035	\$ 22,712	Summer 23 FY 23/24
East Main Street	<u>\$700,835</u>	<u>\$283,543</u>	Summer 24 FY 24/25
Total all construction projects	\$1,313,122	\$489,910	

(Town savings \$823,212 63%)

Submitted by: Peter Gosselin

