

# TOWN OF MERRIMACK ROAD BOND ESTIMATE FORM

Subdivision Name \_\_\_\_\_

Street Name \_\_\_\_\_

Street Length (ft) \_\_\_\_\_

Developer Name \_\_\_\_\_

Engineer Firm/Name \_\_\_\_\_

Street Construction Length \_\_\_\_\_

<u>ITEM (NHDOT SPEC. CHAPTER)</u>	<u>QTY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>TOTAL COST</u>
Clearing and grubbing (201)		LF @	\$ 7.00 =	\$ -
Roadway common excavation (203)		CY@	\$ 6.00 =	\$ -
Roadway rock excavation (203)		CY@	\$ 30.00 =	\$ -
Common structure excavation (206)		CY@	\$ 12.00 =	\$ -
Rock structure excavation (206)		CY@	\$ 60.00 =	\$ -
Drainage swales (grass lined) (206)		LF @	\$ 20.00 =	\$ -
Drainage swales (rock lined) (206)		LF @	\$ 38.00 =	\$ -
Sand - 12" thick (304)		LF @	\$ 10.00 =	\$ -
Gravel - 12" thick (304)		LF @	\$ 14.00 =	\$ -
Crushed Gravel - 6" thick (304)		LF @	\$ 9.00 =	\$ -
Crushed Gravel - 9" thick (304)		LF @	\$ 14.00 =	\$ -
Hot Bit. Pave - 2" Binder, 3/4" nominal (403)		LF @	\$ 29.00 =	\$ -
Hot Bit. Pave - 2 1/2" Binder, 3/4" nominal (403)		LF @	\$ 36.00 =	\$ -
Hot Bit. Pave - 1" Wearing Course, 3/8 nominal (403)		LF @	\$ 13.00 =	\$ -
Hot Bit. Pave - 1 1/2" Wearing Course, 1/2 nominal (403)		LF @	\$ 20.00 =	\$ -
Hot Bit. Pave Driveway Aprons 12' W x 2" thick (403)		EA@	\$ 500.00 =	\$ -
Video inspection of pipe (603)		LF @	\$ 2.00 =	\$ -
Storm drain pipe, concrete, 12" Dia. (603)		LF @	\$ 38.00 =	\$ -
Storm drain pipe, concrete, 15" Dia. (603)		LF @	\$ 42.00 =	\$ -
Storm drain pipe, concrete, 18" Dia. (603)		LF @	\$ 44.00 =	\$ -
Storm drain pipe, concrete, 24" Dia. (603)		LF @	\$ 51.00 =	\$ -
Storm drain pipe, concrete, 30" Dia. (603)		LF @	\$ 62.00 =	\$ -
Storm drain pipe, HDPE, 12" Dia. (603)		LF @	\$ 26.00 =	\$ -
Storm drain pipe, HDPE, 15" Dia. (603)		LF @	\$ 32.00 =	\$ -
Storm drain pipe, HDPE, 18" Dia. (603)		LF @	\$ 38.00 =	\$ -
Storm drain pipe, HDPE, 24" Dia. (603)		LF @	\$ 45.00 =	\$ -
Storm drain pipe, HDPE, 30" Dia. (603)		LF @	\$ 56.00 =	\$ -
Catch basin, 4' Diameter (604)		VF@	\$ 220.00 =	\$ -
Catch basin, 5' Diameter (604)		VF@	\$ 300.00 =	\$ -
Polyliner for catch basins (604)		EA@	\$ 200.00 =	\$ -
Drain manhole, 4' Diameter (604)		VF@	\$ 250.00 =	\$ -
Drain manhole, 5' Diameter (604)		VF@	\$ 325.00 =	\$ -
Headwall, 12" - 18" Pipe (604)		EA@	\$ 1,000.00 =	\$ -
Headwall, 24" - 30" Pipe (604)		EA@	\$ 2,000.00 =	\$ -
6" PVC aggregate underdrain (605)		LF @	\$ 22.00 =	\$ -
Underdrain flushing basin (605)		EA@	\$ 500.00 =	\$ -
Retention/detention Basin		EA@	=	\$ -
Sanitary sewer:			=	\$ -
8" PVC SDR 35 Main		LF @	\$ 70.00 =	\$ -
10" PVC SDR Main		LF @	\$ 80.00 =	\$ -
6" House Service incl. cleanout		EA@	\$ 1,000.00 =	\$ -
Sewer manhole, 4' Dia.		VF@	\$ 350.00 =	\$ -
Tie new sewer to existing SMH		EA@	\$ 750.00 =	\$ -

Page 1 Subtotal      \$                      -

# TOWN OF MERRIMACK ROAD BOND ESTIMATE FORM

<u>ITEM (NHDOT SPEC. CHAPTER)</u>	<u>QTY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>TOTAL COST</u>
Water:				= \$ -
Tapping main		EA@		= \$ -
___" Main		LF @		= \$ -
___" Valve		EA@		= \$ -
Hydrant incl. lateral and valve		EA@		= \$ -
___" Service incl. tap and curbstop		EA@		= \$ -
Test and chlorinate		LS@		= \$ -
Utility conduits - electric, gas, telephone, etc (614)		LF @	\$ 60.00	= \$ -
Molded pull box (614)		EA@	\$ 340.00	= \$ -
Beam guardrail (606)		LF @	\$ 20.00	= \$ -
BGR terminal unit (606)		EA@	\$ 2,000.00	= \$ -
Cape cod berm, Miller CFD#1144 (609)		LF @	\$ 5.00	= \$ -
Straight granite curb (609)		LF @	\$ 20.00	= \$ -
Signs (street, stop, etc.) (615)		SF@	\$ 50.00	= \$ -
Retrorefl. thermoplastic pavement mrkngs, 12" (632)		LF @	\$ 2.00	= \$ -
Retroreflective paint pavement markings, 4" (632)		LF @	\$ 0.15	= \$ -
Traffic signals		LS@		= \$ -
Street light		EA@	\$ 1,500.00	= \$ -
Sidewalk, incl. 12" cr. gravel base (608)				= \$ -
2" bit. - 5' wide		LF @	\$ 12.00	= \$ -
6" conc. - 5' wide		LF @	\$ 35.00	= \$ -
Fabric for slope or channel stabalization		SY@	\$ 2.00	= \$ -
Loam and turf establishment		SY@	\$ 5.00	= \$ -
Silt fence		LF @	\$ 3.00	= \$ -
Silt fence removal		LF @	\$ 3.00	= \$ -
Granite bounds		EA@	\$ 350.00	= \$ -
As-built drawings		LF @	\$ 4.00	= \$ -
			Page 2 Subtotal	\$ -
			Page 1 Subtotal	\$ -
			Subtotal A	\$ -
			Subtotal B	\$ -
Contingencies (15% of Subtotal A)				\$ -
Engineering (8% of Subtotal B)				\$ -
Construction Supervision (8% of Subtotal B)				\$ -
			Current Cost	\$ -
Escalation Adjustment: Current Cost X _____ years @ 3%				\$ -
			<b>TOTAL BOND AMOUNT</b>	<b>\$ -</b>

I hereby certify that, in addition to any work already completed, the following statement and itemized unit costs will complete all improvements required by the Merrimack Planning Board for the subject street:

Project owner	Date	Consultant Engineer	Date
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Approved by: \_\_\_\_\_  
Public Works Director Date

\_\_\_\_\_ Date  
Planning Board Chairman

Engineer  
Stamp

Notes:

- (1) The Developer will be required to submit "as-built" information concerning the location of all utilities in the street and entrance to lots prior to the laying of the base coat of pavement.
- (2) All lump sum (LS) items require detailed backup.

**TOWN OF MERRIMACK  
ROAD BOND ESTIMATE FORM**

<u>Item</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Comments</u>
Clearing and grubbing (201)	LF	\$ 7.00	Measured along road centerline
Roadway common excavation (203)	CY	\$ 6.00	Submit Calculations
Roadway rock excavation (203)	CY	\$ 30.00	Submit Calculations
Common structure excavation (206)	CY	\$ 12.00	Add to drain and sewer cost over 5' deep
Rock structure excavation (206)	CY	\$ 60.00	Add quantity below subgrade for all utilities
Drainage swales (grass lined) (206)	LF	\$ 20.00	
Drainage swales (rock lined) (206)	LF	\$ 38.00	
Sand - 12" thick (304)	LF	\$ 10.00	
Gravel - 12" thick (304)	LF	\$ 14.00	
Crushed Gravel - 6" thick (304)	LF	\$ 9.00	
Crushed Gravel - 9" thick (304)	LF	\$ 14.00	
Hot Bit. Pave - 2" Binder, ¾" nominal (403)	LF	\$ 29.00	
Hot Bit. Pave - 2 ½" Binder, ¾" nominal (403)	LF	\$ 36.00	
Hot Bit. Pave - 1" Wearing Course, 3/8 nominal (403)	LF	\$ 13.00	
Hot Bit. Pave - 1 ½" Wearing Course, ½ nominal (403)	LF	\$ 20.00	
Hot Bit. Pave Driveway Aprons 12' W x 2" thick (403)	EA	\$ 500.00	
Video inspection of pipe (603.0001)	LF	\$ 2.00	New item in 2101 NHDOT Specs
Storm drain pipe, concrete, 12" Dia. (603)	LF	\$ 38.00	
Storm drain pipe, concrete, 15" Dia. (603)	LF	\$ 42.00	
Storm drain pipe, concrete, 18" Dia. (603)	LF	\$ 44.00	
Storm drain pipe, concrete, 24" Dia. (603)	LF	\$ 51.00	
Storm drain pipe, concrete, 30" Dia. (603)	LF	\$ 62.00	
Storm drain pipe, HDPE, 12" Dia. (603)	LF	\$ 26.00	
Storm drain pipe, HDPE, 15" Dia. (603)	LF	\$ 32.00	
Storm drain pipe, HDPE, 18" Dia. (603)	LF	\$ 38.00	
Storm drain pipe, HDPE, 24" Dia. (603)	LF	\$ 45.00	
Storm drain pipe, HDPE, 30" Dia. (603)	LF	\$ 56.00	
Catch basin, 4' Diameter (604)	VF	\$ 220.00	\$1,760 minimum each structure
Catch basin, 5' Diameter (604)	VF	\$ 300.00	\$2,400 minimum each structure
Polyliner for catch basins (604)	EA	\$ 200.00	
Drain manhole, 4' Diameter (604)	VF	\$ 250.00	\$2,000 minimum each structure
Drain manhole, 5' Diameter (604)	VF	\$ 325.00	\$2,600 minimum each structure
Headwall, 12" - 18" Pipe (604)	EA	\$ 1,000.00	
Headwall, 24" - 30" Pipe (604)	EA	\$ 2,000.00	
6" PVC aggregate underdrain (605)	LF	\$ 22.00	
Underdrain flushing basin (605)	EA	\$ 500.00	
Retention/detention Basin	EA		Submit detailed calculations
Sanitary sewer:			
8" PVC SDR 35 Main	LF	\$ 70.00	
10" PVC SDR Main	LF	\$ 80.00	
6" House Service incl. cleanout	EA	\$ 1,000.00	
Sewer manhole, 4' Dia.	VF	\$ 350.00	\$2,800 minimum each structure
Tie new sewer to existing SMH	EA	\$ 750.00	

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ROAD BOND ESTIMATE FORM**

<u>Item</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Comments</u>
Water:			
Tapping main	EA		Provide itemized cost estimate to Merrimack Village District for review and approval
" Main	650		
" Valve	EA		
Hydrant incl. lateral and valve	EA		
" Service incl. tap and curbstop	EA		
Test and chlorinate	LS		
Utility conduits - electric, gas, telephone, etc (614)	LF	\$ 60.00	
Molded pull box (614)	EA	\$ 340.00	
Beam guardrail (606)	LF	\$ 20.00	
BGR terminal unit (606)	EA	\$ 2,000.00	
Cape cod berm, Miller CFD#1144 (609)	LF	\$ 5.00	
Straight granite curb (609)	LF	\$ 20.00	
Signs (street, stop, etc.) (615)	SF	\$ 50.00	\$250 minimum per intersection
Retrorefl. thermoplastic pavement mrkngs, 12" (632)	LF	\$ 2.00	\$500 minimum per intersection
Retroreflective paint pavement markings, 4" (632)	LF	\$ 0.15	
Traffic signals	LS		Submit detailed calculations
Street light	EA	\$ 1,500.00	
Sidewalk, incl. 12" cr. gravel base (608)			
2" bit. - 5' wide	LF	\$ 12.00	
6" conc. - 5' wide	LF	\$ 35.00	
Fabric for slope or channel stabalization	SY	\$ 2.00	
Loam and turf establishment	SY	\$ 5.00	
Silt fence	LF	\$ 3.00	
Silt fence removal	LF	\$ 3.00	
Granite bounds	EA	\$ 350.00	
As-built drawings	LF	\$ 4.00	\$5,000 minimum

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ROAD BOND ESTIMATE FORM**