



Date: June 29, 2017
To: Colin Smith, CAO
From: Michel Ouellet, Director of Engineering & Works
Re: Pine Glen Reconstruction Phase 5 - Contract 17-49

I agree with the attached recommendation from RVA to award the construction to Birch Hill Construction Ltd. for \$2,285,704.59 (HST included)

The 2017 Budget for this work is \$2,200,000 (\$1,800,000 from general transportation and \$400,000 from utility). Based on a construction cost of \$2,072,835.93 (incl. 4.29% HST) and cost for geotechnical and materials testing plus engineering fees of \$122,000 (incl. 4.29% HST), the project would be approximately \$5,000 under budget.

I recommend the tender be awarded to the acceptable bid submitted by Birch Hill Construction Ltd. for \$2,285,704.59 (HST included)

Michel Ouellet, P.Eng.
Director of Engineering & Public Works

I agree with the above-mentioned recommendation.

Colin Smith, CAO



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File: 173594

June 29, 2017

Town of Riverview
30 Honour House Court
Riverview, NB E1B 3Y9

Attention: Mr. Michel Ouellet, M.A.Sc., P.Eng.
Director of Engineering and Public Works

Re: Pine Glen Road Reconstruction Phase 5 – Contract #17-49
Letter of Recommendation

Dear Sir:

Tenders for the above noted project closed on June 26, 2017 and six (6) tenders were received.

Following a more in-depth review of the tender documents after the Tender Opening, one of the tenders was disqualified due to an incomplete tender document. The Tender Form of 683962 NB Ltd. was incomplete as one item did not have the unit price written out as required by Item 13 of the Instructions to Tenderers.

A mathematical error was found in the Tender submitted by Modern Construction (1983) Limited and their Tender Price was adjusted.

The five (5) tenders that were accepted are listed below, including HST:

Birch Hill Construction Ltd	\$2,285,704.59
Modern Construction (1983) Limited	\$2,424,830.04
Phillips Bros. Excavating Ltd.	\$2,501,790.50
Dexter Construction Company Limited	\$2,517,729.50
MacDonald Paving and Construction Limited	\$2,672,755.25

The Engineer's Estimate including HST was \$2,540,646.13.

A copy of the low Tender and the originals of the other five (5) tenders are enclosed. Also enclosed is a List of Unit Bid Prices from the five eligible tenderers.

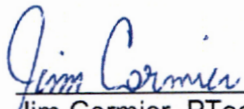
We have reviewed the low tender submission of Birch Hill Construction Ltd. and find it to be in order. The project is scheduled to commence construction in early July 2017 and will be completed in October 2017. We have worked with Birch Hill Construction Ltd successfully on other projects in the Greater Moncton area.

We recommend award to the low tenderer, Birch Hill Construction Ltd, for the tendered price of \$2,285,704.59 including HST.

I trust this is satisfactory; if you require further information, please call at your convenience.

Yours truly,

R. V. ANDERSON ASSOCIATES LIMITED



Jim Cormier, P.Tech
Project Manager

JC:ab

c: Steven LeBouthillier, P. Eng.

Attch.

LIST OF UNIT PRICES
PINE GLEN ROAD RECONSTRUCTION PHASE 5
CONTRACT # 17-49

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QUANT.	Birch Hill Construction Ltd.	Modern Construction (1983) Limited	Phillips Bros. Excavating Ltd.	Dexter Construction Company Limited	MacDonald Paving & Construction Limited	ENGINEER'S ESTIMATE
1	Topsoil & sod for finished surfaces.	m ²	1600	12.82	10.80	11.00	17.00	20.00	15.00
2	Topsoil and hydroseed for unfinished surfaces.	m ²	3700	8.53	7.80	9.00	8.00	18.00	8.00
3	Sanitary sewers including bedding, compaction, testing and video inspection, etc.								
	a) 250 mm Ø PVC DR 35	m	400	168.24	284.76	600.00	280.00	200.00	380.00
	b) 200 mm Ø PVC DR 18	m	27	327.04	234.00	310.00	401.00	175.00	300.00
4	100 mm Ø PVC DR 35 Sanitary Sewer laterals including saddles, bends, pipe caps, testing, connections, etc.	m	178	283.72	220.80	145.00	245.00	150.00	300.00
5	Sanitary Manhole including adjustable frame & cover, bedding, compaction, adjustment and testing.								
	a) 1050 mm Ø Manhole	each	6	4,456.15	4,496.40	4,300.00	4,548.00	5,000.00	5,000.00
	b) Existing SAN MH 1435	LS	1	9,952.47	4,560.00	4,000.00	5,956.00	10,000.00	5,000.00
6	100mm Ø perforated drain pipe under curbs including connection to catch basins / manholes, bedding, compaction and fittings	m	1470	20.13	18.12	16.00	22.00	12.00	20.00
7	Storm sewers including bedding, compaction, testing and video inspection, and galvanized grate at inlets and outlets.								
	a) 300 mm Ø	m	12	438.66	317.22	200.00	329.00	250.00	270.00
	b) 450 mm Ø	m	550	173.95	274.80	300.00	265.00	300.00	315.00
	c) 625 mm Ø HDPE	m	69	315.92	357.90	240.00	373.00	400.00	380.00
	d) 600 mm Ø	m	30	234.07	432.24	255.00	447.00	550.00	390.00
8	Storm Manhole including adjustable frame and cover, adjustment, bedding and compaction.								
	a) 1050 mm Ø	each	9	3,920.19	3,672.00	3,000.00	4,274.00	5,000.00	5,000.00
	b) 1200 mm Ø (STM MH6)	each	1	4,099.36	3,720.00	3,300.00	5,278.00	12,000.00	6,000.00
9	Storm Sewer laterals including saddles, bends, pipe caps, testing, connections, etc.								
	a) 100 mm Ø PVC DR 28	m	185	219.06	210.00	140.00	231.00	150.00	250.00
	b) 250 mm Ø, PVC DR 28	m	15	424.54	246.12	220.00	246.00	200.00	330.00
10	Catch Basin Removal and Disposal	each	1	1,346.65	600.00	480.00	770.00	1,000.00	2,500.00
11	Manhole Removal and Disposal	each	5	1,319.66	840.00	600.00	1,053.00	1,500.00	2,500.00
12	Catch Basin 750 mm Ø including frame and cover, adjustment, bedding and compaction.	each	23	2,272.21	1,560.00	1,300.00	2,058.00	4,000.00	2,500.00

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13	Catch Basin lead including saddles, bends, pipe caps, testing, connections, etc.								
	a) 150 mm Ø PVC DR 28	m	84	136.28	231.12	210.00	240.00	150.00	210.00
	b) 200 mm Ø. PVC DR 28	m	122	145.26	242.16	230.00	291.00	175.00	220.00
	c) 250 mm Ø PVC DR 28	m	41	214.00	263.40	240.00	309.00	200.00	240.00
14	Existing manhole adjustment to accommodate new grades	each	2	785.06	1,200.00	800.00	537.00	1,500.00	2,500.00
15	Watermain including connection to existing watermain, removal of existing watermain bedding, compaction, fittings, installation and removal of injection line and flushing lines, mechanical restrainers, disinfection and testing								
	a) 200 mm Ø	m	19	316.25	315.84	320.00	432.00	200.00	325.00
	b) 250 mm Ø	m	306	260.21	333.12	500.00	280.00	225.00	340.00
16	Gate Valves, and Chambers, including bedding, thrust block and/or mechanical restrainers, etc.								
	a) 250 mm Ø gate valve	each	1	3,830.69	4,800.00	3,800.00	4,878.00	2,000.00	5,000.00
	b) 200 mm Ø Gate Valve	each	1	2,199.44	3,000.00	3,400.00	2,328.00	2,000.00	5,000.00
	c) Valve Chambers	each	3	2,433.75	2,400.00	1,600.00	1,938.00	2,000.00	3,000.00
17	100 mm Ø PVC Valve Chamber Drain including excavation, dewatering, bedding, backfilling and connection to the storm sewer system.	m	35	191.18	201.24	210.00	271.00	300.00	250.00
18	New water service lateral including excavation, tapping, all appurtenances, testing, disinfection, backfilling, etc.								
	a) 19 mm Ø	m	23	246.65	217.14	110.00	203.00	250.00	270.00
	b) 38 mm Ø	m	144	318.73	292.68	115.00	280.00	300.00	300.00
19	Relocation of Fire Hydrant including dewatering, new gate valve, fitting, pipe, thrust block, anchors, hydrant restraints, testing and repainting.	each	1	3,891.41	4,080.00	1,600.00	10,450.00	12,000.00	5,000.00
20	New Fire Hydrant including fitting, pipe, thrust block, anchors, extensions, gate valve, hydrant restraints, testing and repainting.	each	3	7,133.11	80,937.60	7,000.00	10,050.00	8,000.00	7,500.00
21	Asphalt Removal including cutting and disposal	m ²	6100	2.14	5.16	3.00	5.00	5.00	5.00
22	Asphalt Milling including disposal	m ²	350	5.74	8.40	10.00	12.00	15.00	10.00
23	Excavation for road reconstruction	m ³	7000	8.86	8.40	16.00	14.00	10.00	12.00

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24	Imported materials								
	a) Imported Borrow B fill for the road. (In-place measurement)	m ³	2500	30.28	21.12	19.00	22.00	25.00	19.50
	b) 0 – 31.5 mm minus crushed stone for roadway	tonne	4600	14.03	14.76	15.00	17.00	17.00	18.50
	c) 0 – 75 mm minus crushed stone for roadway	tonne	8000	13.92	12.84	15.00	17.00	17.00	16.50
25	Concrete Barrier Curb removal including disposal.	m	70	11.45	6.00	26.00	14.00	20.00	10.00
26	Concrete Barrier Curb including excavation, bedding, concrete, compaction, curing, backfilling.	m	1585	65.97	62.40	58.00	70.00	95.00	80.00
27	NBDTI Asphalt Concrete								
	a) Asphalt Base Type "B"	tonne	2200	167.37	115.50	170.00	135.00	145.00	135.00
	b) Asphalt Seal Type "D"	tonne	930	179.81	120.54	185.00	147.00	145.00	145.00
28	Parking & Driveway Restoration including excavation, hauling, disposal, 300 mm thick crushed stone layer, asphalt pavement, compaction, etc.								
	a) Parking (60mm Type B, 40mm Type D)	m ²	635	76.33	70.50	70.00	93.00	95.00	65.00
	b) Gravel Driveway	m ²	1335	17.07	11.88	13.00	34.00	40.00	21.50
29	Geogrid Terrafix TBX1500 or approved equivalent where required under roadway	m ²	1600	1.61	5.40	2.00	6.00	4.00	10.00
30	R5 riprap complete with geotextile for pipe inlets and outlets	tonne	20	26.39	21.60	23.00	60.00	60.00	65.00
31	R25 riprap complete with geotextile at Outfalls	tonne	45	26.39	24.00	23.00	70.00	60.00	65.00
32	New Asphalted Multi-Purpose Trail including excavation, aggregate base, compaction and asphalt	m ²	2450	53.21	49.92	48.00	58.00	81.00	60.00
33	Wood Fence including supply, installation, anchors, etc.	m	126	108.53	110.40	110.00	110.00	120.00	100.00
34	Adjustable Manhole Frame and Cover including the removal and disposal of existing manhole frame and cover	each	2	785.06	1,080.00	800.00	1,340.00	1,500.00	1,500.00
35	Removal and re-alignment of existing guide rail and reinstatement of the end treatment.	m	50	179.81	190.80	85.00	190.00	200.00	100.00
36	Removal of decorative light post including delivery to Public Works	LS	1	1,650.95	600.00	500.00	1,092.00	20,000.00	2,500.00
37	Pavement Markings								
	a) White Longitudinal Line	m	1500	13.51	14.34	5.00	18.00	20.00	3.00
	b) Yellow Longitudinal Line	m	750	14.42	15.30	5.00	26.00	20.00	3.00
	c) Yellow Cross-hatching	m ²	60	38.45	40.80	21.00	26.00	250.00	20.00
	d) Stop Bars	each	2	310.98	330.00	300.00	430.00	500.00	300.00
	e) Arrows	each	4	384.49	408.00	300.00	716.00	500.00	300.00

JUNE 29, 2017
OWNER: TOWN OF RIVERVIEW

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Page 4 of 4
Consultant: R V Anderson Associates

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	f) Crosswalks	each	2	938.61	996.00	1,200.00	1,194.00	2,000.00	600.00
38	50mm Thick Rigid Insulation	m ²	100	36.13	27.72	22.00	54.00	50.00	10.00
39	Utility Pole Relocation Allowance	LS	1	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00
GRAND TOTAL				1,987,569.21	2,108,547.86	2,175,470.00	2,189,330.00	2,324,135.00	2,209,257.50
HST 15%				298,135.38	316,282.18	326,320.50	328,399.50	348,620.25	331,388.63
TOTAL				2,285,704.59	2,424,830.04	2,501,790.50	2,517,729.50	2,672,755.25	2,540,646.13