

TOWNSHIP OF BYRAM

NEW JERSEY

MAILING ADDRESS:
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Stanhope, NJ 07874
Phone 973-347-2500
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WEBSITE ADDRESS:
www.byramtwp.org

MEMORANDUM

TO: Township Council

FROM: Joseph W. Sabatini, Township Manager

DATE: February 10, 2015

RE: Proposed DRAFT 2015 Capital Budget

Capital Budget:

- Local Budget Law 40A:4-43 – Capital Budgets, definition.
The governing body may and shall, when directed by the local government board, prepare, approve and adopt a budget for the expenditure of public funds for capital purposes to give effect to general improvement programs. A capital budget shall be a plan for the expenditure of public funds for capital purposes, showing as income the revenues, special assessments, free surplus, and down payment appropriations to be applied to the cost of a capital project or projects, expenses of issuance of obligations, engineering supervision, contracts and any other related expenditures.
- The Governing Body is required to adopt a capital budget and a capital improvement program in conjunction with its annual operating budget.
- The capital budget represents *the current year* of a three year capital improvement program since the Township is under a 10,000 population.
- The capital improvement program presents the schedule for capital projects showing projected costs and revenue sources.
- The capital budget DOES NOT in itself confer any authority to raise or expend funds.
- The Governing Body may assign the responsibility for preparing the capital budget for the capital improvement program to the administrative staff or the Planning Board, or both. Final content of the plan resides with the Governing Body.
- Municipal Land Use Law permits the Governing Body to request the Planning Board to prepare the proposed capital program. The Land Use Law states that if there is an adopted master plan, the Planning Board must be given 45 days to review any “action necessitating the expenditure of any public fund” affecting the master plan.

- In Byram Township, it has been the responsibility of the Administrative Staff to prepare the capital budget and capital improvement program.

Capital Improvement Fund:

- Within the general fund under general appropriations there is a provision for Capital Improvement appropriations.
- This is for appropriations that have a useful life of 5 years or more.
- The fund permits appropriations to be set aside for purposes that may not be known or specified at time of the budget adoption.
- Municipalities annually may appropriate a fixed sum to this fund permitting it to build up over several years.
- No money may be expended from the Capital Improvement Fund without an ordinance being adopted for a specific purpose.
- The capital improvement fund is used as a means of financing down payments for bond ordinance appropriations. All bondable capital items must have a minimum 5% down payment. Also, the Governing Body can decide to fully fund an ordinance from the Capital Improvement Fund and/or Capital Fund Balance.
 - As of December 31, 2014 the balance in the Capital Improvement Fund totaled \$282,938.43.
 - As of December 31, 2014 the balance in Capital Fund Balance totaled \$346,862.73.

Capital Planning Process:

- The Township’s Master Plan serves the blueprint for the future of the community. This is a long-term planning document that can be referenced when completing the capital planning process.
- Departments have been asked to compile their capital project requests. These projects can fall into the categories of being a recurring project such as street maintenance, previously identified projects and new projects which can include acquisition of land or structures, construction, major repairs or rehabilitation, and major equipment.
- Projects should be described with justification, estimated costs and proposed method of financing.

Debt Service:

- The Township’s permanent debt for General Improvements that was issued October 1, 2005 for \$1,793,000 and matures October 1, 2015 with the last payment of principal and interest.
- The schedule for Bond Anticipation Notes Payable (short-term debt) has an outstanding principal balance as of December 31, 2014 totaling \$1,589,500. With the current schedule of principal pay downs, along with the new debt scheduled to be issued, the outstanding balance as of December 31, 2015 will be approximately \$1,938,000.00.

- 2016 will start the next 10 year cycle of debt. The object is to balance your permanent and short-term debt to keep you principal and interest payments flat year over year.
- Local Bond Law – 40A:2:
 - 40A:2-5. Debt Limitation – no bond ordinance shall be finally adopted if it appears from the supplemental debt statement that the percentage of net debt as stated pursuant to 40A:2-42 exceeds 3.5% (based on the equalized valuations of the taxable real estate, together with the improvement for the last 3 preceding years).
 - Annual Debt Statement (1/31/2015):
 - Total Debt = \$3,056,630.27
 - Percentage of Debt = .310%
 - Total allowable debt = \$34,533,310.29 (3.5%)
 - NOTES:
 - Total Debt includes: Bond Anticipation Notes, Bonds, Green Acres Loans, Emergency Notes, Sewer Debt and Open Space Debt.
 - 40A:2-8.1 Issuance of bond anticipation notes:
 - Issued for a period not to exceed one year.
 - Shall mature and be paid not later than the first day of the fifth month following the closing of the tenth fiscal year next following the date of the original notes.
 - No notes shall be renewed beyond the third anniversary date of the original notes unless an amount of such notes, at least equal to the first legally payable installment of the bonds in anticipation of which those notes are issued, is paid.

- The scheduled payment for 2015 Debt Service is as follows:

	Principal	Interest
Bond	\$203,000	\$7,613
BAN	\$216,500	\$19,900
Green Acres	\$35,134	\$8,396
TOTALS:	\$454,634	\$35,909
	TOTAL:	\$490,543

- Future Debt Obligations (plan):
 - Need to consider plan for capital projects for years 2015-2016.
 - Increasing budget for debt service will provide opportunity to fund capital projects.

2015 PROPOSED Capital Improvements – funded from Budget

- Capital Improvement Fund: \$25,000
- Drainage Improvements: \$5,000
- Supplement for Streets and Roads: \$100,000

- Budget Appropriation (Streets-n-Roads) \$105,500

NOTE:

- Budget Objective may be to plan to fund more of the Township's capital projects.

**2015 DRAFT Capital Budget and 3 Year Capital Improvement Program
(FOR DISCUSSION):**

- Attached is summary of all the department requested capital projects for the years 2015 – 2020.
- Attached is the draft three year Capital Program (2015-2017).
- The proposed projects will require further discussion to assess need and prioritization; and also, how the projects are proposed to be funded.
- Focus should be placed on the amount that is being proposed to be raised as a 2015 budget appropriation.
- Remember this capital budget does not in itself confer any authority to raise or expend funds.

TOWNSHIP OF BYRAM		CAPITAL IMPROVEMENT PROGRAM 2015-2017							
2015 CAPITAL BUDGET									
		CAPITAL							
		5% Down Pymt							
	Proposed	2015	2015	Amounts	Capital	Grants and	Debt	Other	
	Costs	Budget	Budget	Reserved In	Improvement	Other	Authorized	Funding	
		O&E	Appropriation	Prior Years	Fund	Funds			NOTES
Amity Road - Phase 1 (GRANT OPTION)	\$230,000	\$0	\$30,000	\$0	\$0	\$200,000	\$0	\$0	NJDOT Grant Requested
Amity Road - Phase 1 (NO GRANT)	\$125,000	\$0	\$30,000	\$0	\$4,750	\$0	\$90,250	\$0	NJDOT Grant - Not Awarded
Road Resurface Program	\$175,500	\$105,500	\$70,000	\$0	\$0	\$0	\$0	\$0	Chip and Seal Program
Drainage Improvements	\$5,000	\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	
Capital Improvements	\$25,000	\$0	\$25,000	\$0	\$0	\$0	\$0	\$0	Annual approp. to fund
Lynn Drive Drainage Improvements	\$35,000	\$0	\$0	\$35,000	\$0	\$0	\$0	\$0	
Standby Generator	\$36,000	\$0	\$0	\$0	\$11,000	\$25,000	\$0	\$0	Hazard Mitigation Grant Suggest fully fund balance out of Cap Improvement Fund
Little Paint Way Drainage Improvements	\$125,000	\$12,500	\$0	\$0	\$0	\$112,500	\$0	\$0	Hazard Mitigation Grant (90%)
(D4) - Dump Truck - 10 Yard Spreader	\$10,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	
Snow Removal Equipment - Sidewalks	\$15,000	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	
Alcotest Marchine - Police Dept	\$16,000	\$0	\$0	\$0	\$16,000	\$0	\$0	\$0	
Server fo Administrative Offices	\$11,000	\$0	\$0	\$0	\$11,000	\$0	\$0	\$0	
New Police Radios and Poratables Ultra High Frequency	\$65,000	\$0	\$0	\$0	\$3,250	\$0	\$61,750	\$0	
Remount Ambulance	\$140,000	\$0	\$0	\$0	\$7,000	\$0	\$133,000	\$0	Lakeland Emergency Squad
TOTAL	\$1,013,500	\$143,000	\$130,000	\$35,000	\$53,000	\$337,500	\$285,000	\$0	\$983,500
2016 CAPITAL BUDGET									
		CAPITAL							
		5% Down Pymt							
	Proposed	2016	2016	Amounts	Capital	Grants and	Debt	Other	
	Costs	Budget	Budget	Reserved In	Improvement	Other	Authorized	Funding	
		O&E	Appropriation	Prior Years	Fund	Funds			NOTES
Amity Road - Phase 2	\$220,000	\$0	\$70,000	\$0	\$0	\$150,000	\$0	\$0	NJDOT Grant Requested
Mansfield/Lynn Drive P1- Paving Project	\$230,000	\$0	\$0	\$0	\$11,500	\$0	\$218,500	\$0	
Road Resurface Program	\$125,000	\$85,000	\$30,000	\$0	\$10,000	\$0	\$0	\$0	Chip and Seal Program
DPW - Dump Truck Replacement	\$180,000	\$0	\$0	\$0	\$9,000	\$0	\$171,000	\$0	Replacement of D5
Drainage Improvements	\$5,000	\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	Annual approp. to fund
Capital Improvements	\$25,000	\$0	\$25,000	\$0	\$0	\$0	\$0	\$0	Annual approp. to fund
Lynn Drive Drainage Improvements	\$32,000	\$0	\$0	\$32,000	\$0	\$0	\$0	\$0	
Police Dept - 4 Wheel Drive	\$45,000	\$45,000	\$0	\$0	\$0	\$0	\$0	\$0	
Server for Police Dept.	\$12,000	\$0	\$0	\$0	\$12,000	\$0	\$0	\$0	Suggest fully fund out of Cap Improvement Fund
Automatic License Plate Rader	\$20,000	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	
TOTAL	\$894,000	\$150,000	\$130,000	\$32,000	\$42,500	\$150,000	\$389,500	\$0	\$894,000
2017 CAPITAL BUDGET									
		CAPITAL							
		5% Down Pymt							
	Proposed	2017	2017	Amounts	Capital	Grants and	Debt	Other	
	Costs	Budget	Budget	Reserved In	Improvement	Other	Authorized	Funding	
		O&E	Appropriation	Prior Years	Fund	Funds			NOTES
Lynn Drive P2 (other streets) - Paving Project	\$250,000	\$0	\$100,000	\$0	\$7,500	\$0	\$142,500	\$0	
Road Resurface Program	\$285,000	\$85,000	\$0	\$0	\$14,250	\$0	\$185,750	\$0	Chip and Seal Program
DPW - Loader	\$120,000	\$0	\$0	\$0	\$6,000	\$0	\$114,000	\$0	
Drainage Improvements	\$5,000	\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	Annual approp. to fund
Capital Improvements	\$25,000	\$0	\$25,000	\$0	\$0	\$0	\$0	\$0	Annual approp. to fund
TOTAL	\$685,000	\$85,000	\$130,000	\$0	\$27,750	\$0	\$442,250	\$0	\$685,000



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NJ - P.E.

January 26, 2015

Via Email (jsabatini@byramtwp.org)

MEMORANDUM TO: Mr. Joseph Sabatini, Byram Township Manager

FROM: Cory L. Stoner, P.E., C.M.E., Byram Township Engineer

SUBJECT: Engineering & Construction Projects for 2015
Byram Township, Sussex County

Dear Joe:

As requested, I have put together a list of projects and engineering activities that may be considered in the 2015 Byram Township Budget. The list of these projects and activities is as follows:

1. Improvements to Amity Road – Phase I/II

With the improvements to Roseville Road and the Tamarack Road complete, it is recommended that attention be given to Amity Road. The first phase of Amity Road (near Roseville Road) was last improved in 2002. The second phase of Amity Road was last improved in 2004. With roadways having a typical life span of 12 to 15 years before major repairs are needed, it is recommended that Amity Road be targeted next.

Amity Road was last improved in three phases and has a total length of 2 miles. I recommend that Amity Road be broken into two parts (Phase I/II and Phase II/III) and that the part beginning at Roseville Road be targeted first. The project will be approximately 1 mile in length and will include milling and resurfacing and installing new traffic stripes. A 2015 NJDOT Local Aid Grant application has been submitted for this project in the amount of \$200,000.00 for this project.

Construction Costs	\$225,000.00
Contract Bidding, Construction Inspection & Management	\$ 5,000.00
Total Estimated Costs	\$230,000.00

Note: If a NJDOT Local Grant is not awarded for Amity Road in 2015, the Township Council may want to still consider improving a portion of Amity Road that has severely deteriorated over the last year. It is recommended that at least the first the first 0.5 mile section be improved. This first section would improve Amity Road between Roseville Road and Stag Pond Road. The estimated cost of completing this section is **\$125,000.00**.

2. **Improvements to Lynn Drive – Phase I**

While the Township has been diligent in maintaining the major roadways with the Township over the past years, the residential streets in the northern portion of the Township are beginning to show significant deterioration. One of these streets is Lynn Drive. Due to the degree of deterioration along this roadway, it is recommended that Lynn Drive be considered for milling and resurfacing in the near future. Due to the length of Lynn Drive (1.2 mile), it is recommended that the roadway improvements be constructed over two years.

Construction & Engineering Costs - Drainage Improvements.....	\$ 67,000.00
Construction & Engineering Costs - Phase I Improvements.....	\$150,000.00
Total Estimated Costs.....	\$217,000.00

Note: I believe that funds have been placed aside for the completion of the drainage improvements along Lynn Drive in previous years. The work related to the drainage improvements, however, has been delayed because it is the understanding that the local water company has plans to complete improvements to the watermains in this area. Any drainage work and/or resurfacing work completed along Lynn Drive will need to be coordinated with the local water company.

2. **Bituminous Chip Seal Resurfacing**

In order to continue with the 10 Year Roadway Improvement Plan, it is proposed that the Township continue the chip seal program that was started in 2012 and updated this past year with a new mechanical process. This program provides the Township with a means to extend the life of the roadways and provide the Township with a long term method of keeping up with the maintenance of its roadway infrastructure.

If it is agreed to continue with the chip seal resurfacing program, I recommend that we complete the resurfacing of roadways within the Forest Lake section of the Township. All of these roadways were last resurfaced between 2000 and 2003. A review of these roadways is as follows:

Conrad Strasse (2000).....	\$5,000.00
Crescent Drive South (2001).....	\$17,000.00
Crows Nest Road (2000).....	\$8,000.00
Forest Lake Drive North (2003)	\$32,000.00
Forest Lake Drive South (2003)	\$18,000.00
Glen Cove Road (2001)	\$9,000.00
Lake View Drive (2001)	\$7,000.00
Old Stage Coach Road (2000)	\$18,000.00
Peach Tree Street (2000)	\$5,000.00

Sandy's Road (2000)	\$7,000.00
Sleepy Hollow Road (2000)	\$44,000.00
Sunset Way (2000)	<u>\$2,000.00</u>

Total Estimated Oil & Stone Resurfacing Costs\$173,000.00

Note: In order to mill and resurface the roadways listed above, the cost to the Township would be \$800,000.

3. Drainage System Improvements:

a. Jet Vac Stormwater Cleaning Services

In 2014, the Township had an outside company perform jet vac stormwater basin/pipe cleaning in order to remove silt and sediment from various drainage systems in the Township. In total 127 catch basins and associated drainage pipes were cleaned during this process. The cleaning of these basins and pipes has allowed the Road Department to identify basins to be repaired and has helped reduced the silt and sediment that is washing into various streams and lakes within the Township.

With approximately 850 catch basins under Township jurisdiction, I recommend that this process be continued in 2015. Assuming 5 days of jet vac services similar to what was completed this year, it is recommended that **\$10,000.00** be budgeted for this work.

b. Lake Community Inlet Retrofits

An on-going concern in Byram Township is the runoff of silt and sediment into the lakes. There are a number of structural methods that serve to help address this issue. Many methods, however, include filter systems that are very expensive and hard to maintain. I therefore recommend that the Township consider starting an inlet retrofit program that would replace drainage basins with structures that would include sump or baffled bottoms that would be easy to maintain over time.

A sump bottom structure is simply a drainage basin with a bottom elevation that is position at a certain depth below the invert of the outlet pipe. With this type of structure, stormwater would plunge into the structure, silt to settle on the bottom, and stormwater would flow out of the structure with a reduced concentration of silt and sediment. An approximate cost would be \$1,200 per structure. A baffled bottom structure would be an oversized catch basin that would include two chambers separated by a concrete baffle or weir. The purpose of this structure would be the same as the sump but would include a second chamber separated by a baffle or weir. This structure would increase the level of sediment removal, would reduce the outflow of floatable solids and would cost approximately \$3,000 per structure.

The above costs assume that the Byram Township Road Department will assist in the installation of the catch basin structure. If such a program is desirable, I would recommend that the Township budget **\$15,000.00** in 2015 for the start of such a program.

c. Engineering Study of East Brookwood Estates Drainage Issues

The Council may want to consider a detailed study of the drainage problems that exist within the East Brookwood Estates section of the Township. This study would specifically review the drainage system that collects stormwater above Ross Road and conveys the stormwater toward Lubbers Run below Brookwood Drive. The study would involve a detailed review of the existing drainage network, field visits to review drainage areas, preparation of potential improvement concepts and cost estimates for budgeting purposes. It is estimated that this study will cost **\$10,000.00**.

I have reviewed the drainage issues several times and I believe that a portion of the drainage areas above Ross Road may be able to be redirected to other drainage discharge locations to the east. The study will determine whether redirecting stormwater will be practical, determine what impacts to other properties will occur, outline what environmental permits may be required, outline what work items can be completed by the Township Road Department, and provide cost estimates for future work activities.

4. Miscellaneous Engineering & Surveying

a. NJDEP Municipal Stormwater Permit

Work will be continued to aid the municipality in fulfilling the requirements of the Municipal Stormwater permit. It is estimated that work performed by HPA to aid the Township in fulfilling the permit requirements will be approximately **\$2,000.00**.

b. Miscellaneous Roadway & Drainage Issues

A number of roadway and drainage issues come up each year which I assist that Township Manager and the Road Department Supervisor with. It is recommended that **\$5,000.00** be set aside for miscellaneous work items that may come up during the year related to roadway and drainage problems in the Township.

c. Tax Map Maintenance

In order to continue with the maintenance of the tax maps, it is recommended that **\$3,000.00** be budgeted in 2015 for miscellaneous tax map changes.

Mr. Joseph Sabatini, Byram Township Manager
RE: Engineering & Construction Projects for 2015
January 26, 2015

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I trust this list that will aid the Mayor and Council in establishing the municipal budget for 2015. If you have any questions regarding any of the above listed items or would like to meet to discuss any of the proposed work activities in greater detail, please do not hesitate to contact me.

Very truly yours,

A handwritten signature in black ink that reads "Cory L. Stoner". The signature is fluid and cursive, with a long horizontal stroke at the end.

Cory L. Stoner, P.E., C.M.E.
HAROLD E. PELLOW & ASSOCIATES, INC.
Byram Township Engineer

CLS:cls
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TOWNSHIP OF BYRAM
DEBT MANAGEMENT PLAN - CURRENT FUND
SUMMARY

Year	\$1,793,000 General Bonds Issued 10/01/05	\$1,976,500 General Bonds New Issue 2016	Green Acres Loan #1	Green Acres Loan #2	Current - BAN's	Special Emergency - Revaluation	Future Debt **	Capital Improvement Budget *	Total
2015	\$ 210,613.00	\$ -	\$ 12,438.00	\$ 31,092.00	\$ 236,369.00	\$ 30,750.00	\$ -	\$ 130,000.00	\$ 651,262.00
2016	-	-	12,436.63	31,091.60	350,260.00	30,600.00	-	230,000.00	654,388.23
2017	-	276,710.00	12,436.64	31,091.58	-	-	-	330,000.00	650,238.22
2018	-	268,804.00	12,436.64	31,091.60	-	-	7,000.00	332,000.00	651,332.24
2019	-	260,898.00	12,436.64	31,091.60	-	-	14,000.00	333,000.00	651,426.24
2020	-	252,992.00	12,436.64	31,091.58	-	-	66,000.00	288,750.00	651,270.22
2021	-	245,086.00	12,436.64	31,091.60	-	-	117,100.00	245,500.00	651,214.24
2022	-	237,180.00	6,218.31	31,091.58	-	-	167,300.00	209,500.00	651,289.89
2023	-	229,274.00	-	31,091.60	-	-	216,600.00	174,300.00	651,265.60
2024	-	221,368.00	-	31,091.60	-	-	265,000.00	130,000.00	647,459.60

* - Capital Improvement Budget consists Budget Appropriations for Capital Improvement Fund, Road Resurfacing Reserve & Drainage Reserve.

TOWNSHIP OF BYRAM
DEBT MANAGEMENT PLAN
\$1,793,000 GENERAL OBLIGATION BONDS - ISSUED 10/01/2005

<u>Year</u>	<u>Rate</u>	<u>Principal</u>	<u>Interest</u>	<u>Total Debt</u>	<u>Balance</u>
					\$ 598,000.00
2013	3.75%	\$ 195,000.00	\$ 22,425.00	\$ 217,425.00	403,000.00
2014	3.75%	200,000.00	15,112.50	215,112.50	203,000.00
2015	3.75%	203,000.00	7,612.50	210,612.50	-

TOWNSHIP OF BYRAM
DEBT MANAGEMENT PLAN
\$1,793,000 GENERAL OBLIGATION BONDS - ISSUED 10/01/2005

<u>Year</u>	<u>Rate</u>	<u>New Debt Issued</u>	<u>Principal</u>	<u>Interest</u>	<u>Total Debt</u>
2016	4.00%	\$ 1,976,500.00			
2017	4.00%		\$ 197,650.00	\$ 79,060.00	\$ 276,710.00
2018	4.00%		197,650.00	71,154.00	268,804.00
2019	4.00%		197,650.00	63,248.00	260,898.00
2020	4.00%		197,650.00	55,342.00	252,992.00
2021	4.00%		197,650.00	47,436.00	245,086.00
2022	4.00%		197,650.00	39,530.00	237,180.00
2023	4.00%		197,650.00	31,624.00	229,274.00
2024	4.00%		197,650.00	23,718.00	221,368.00

Balance

\$ 1,976,500.00
1,778,850.00
1,581,200.00
1,383,550.00
1,185,900.00
988,250.00
790,600.00
592,950.00
395,300.00

TOWNSHIP OF BYRAM
DEBT MANAGEMENT PLAN
GREEN ACRES LOAN #1

<u>Year</u>	<u>Rate</u>	<u>Principal</u>	<u>Interest</u>	<u>Total Debt</u>	<u>Balance</u>
					\$ 107,116.80
2013	2.00%	\$ 10,345.77	\$ 2,090.87	\$ 12,436.64	96,771.03
2014	2.00%	10,553.72	1,882.91	12,436.63	86,217.31
2015	2.00%	10,765.86	1,670.78	12,436.64	75,451.45
2016	2.00%	10,982.24	1,454.39	12,436.63	64,469.21
2017	2.00%	11,202.99	1,233.65	12,436.64	53,266.22
2018	2.00%	11,428.17	1,008.47	12,436.64	41,838.05
2019	2.00%	11,657.88	778.76	12,436.64	30,180.17
2020	2.00%	11,892.20	544.44	12,436.64	18,287.97
2021	2.00%	12,131.23	305.41	12,436.64	6,156.74
2022	2.00%	6,156.74	61.57	6,218.31	-

TOWNSHIP OF BYRAM
DEBT MANAGEMENT PLAN
GREEN ACRES LOAN #2

Year	Rate	Principal	Interest	Total Debt	Balance
					\$ 389,667.64
2013	2.00%	\$ 23,414.74	\$ 7,676.86	\$ 31,091.60	366,252.90
2014	2.00%	23,885.36	7,206.22	31,091.58	342,367.54
2015	2.00%	24,365.46	6,726.14	31,091.60	318,002.08
2016	2.00%	24,855.22	6,236.38	31,091.60	293,146.86
2017	2.00%	25,354.80	5,736.78	31,091.58	267,792.06
2018	2.00%	25,864.44	5,227.16	31,091.60	241,927.62
2019	2.00%	26,384.30	4,707.30	31,091.60	215,543.32
2020	2.00%	26,914.62	4,176.96	31,091.58	188,628.70
2021	2.00%	27,455.62	3,635.98	31,091.60	161,173.08
2022	2.00%	28,007.46	3,084.12	31,091.58	133,165.62
2023	2.00%	28,570.42	2,521.18	31,091.60	104,595.20
2024	2.00%	29,144.68	1,946.92	31,091.60	75,450.52
2025	2.00%	29,730.50	1,361.10	31,091.60	45,720.02
2026	2.00%	30,328.08	763.52	31,091.60	15,391.94
2027	2.00%	15,391.94	153.92	15,545.86	-

TOWNSHIP OF BYRAM
DEBT MANAGEMENT PLAN
SUMMARY - BOND ANTICIPATION NOTES

<u>YEAR</u>	<u>INTEREST RATE</u>	<u>DEBT ISSUED</u>	<u>PRINCIPAL PAYDOWN</u>	<u>INTEREST</u>	<u>TOTAL DEBT PAYMENT</u>	<u>BALANCE</u>
2014	1.25%		233,536.00	22,790.00	256,326.00	\$ 1,589,500.00
2015	2.00%	\$ 565,000.00	216,500.00	19,868.75	236,368.75	1,938,000.00
2016	2.00%		311,500.00	38,760.00	350,260.00	1,626,500.00
2017	2.00%		298,100.00	32,530.00	330,630.00	1,328,400.00
2018	2.00%		369,250.00	26,568.00	395,818.00	959,150.00
2019	2.00%		287,002.00	19,183.00	306,185.00	672,148.00
2020	2.00%		191,223.00	13,442.96	204,665.96	480,925.00
2021	2.00%		166,100.00	9,618.50	175,718.50	314,825.00
2022	2.00%		127,750.00	6,296.50	134,046.50	187,075.00
2023	2.00%		106,575.00	3,741.50	110,316.50	80,500.00
2024	2.00%		80,500.00	1,610.00	82,110.00	-

TOWNSHIP OF BYRAM
DEBT MANAGEMENT PLAN
CURRENT FUND BOND ANTICIPATION NOTES

ORDINANCE NO.	PURPOSE	USEFUL LIFE	MIN. DOWNPAYMENT	ORIGINAL DATE OF ISSUE	DEBT AUTHORIZED	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Balance
16-06	Acquisition of Rescue Vehicle			10/6/2006	\$ 219,000.00											\$ -
10-07	Various Capital Improvements	11.32	\$ 11,000.00	10/5/2007	210,600.00	\$ 35,000.00	\$ 15,000.00	\$ 11,600.00								-
11-08	Various Capital Improvements			10/2/2008	309,000.00	18,500.00	80,000.00	80,000.00	\$ 79,500.00							-
11-09	Various Capital Improvements	8.45	37,106.00	10/1/2009	590,000.00	69,000.00	80,500.00	80,500.00	83,000.00	\$ 80,252.00						-
7-10	Various Capital Improvements	11.17	9,400.00	9/30/2010	200,000.00	29,000.00	29,000.00	29,000.00	29,000.00	29,000.00	\$ 23,473.00					-
5-11	Various Capital Improvements	13.51	14,000.00	9/29/2011	352,350.00	50,000.00	60,000.00	50,000.00	50,000.00	50,000.00	40,000.00	\$ 38,350.00				-
5-12	Various Capital Improvements	10	6,500.00	9/27/2012	120,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	\$ 15,000.00			-
5-13	Various Capital Improvements	7.92	17,000.00	9/26/2013	249,825.00	-	32,000.00	32,000.00	32,000.00	32,000.00	32,000.00	32,000.00	32,000.00	\$ 25,825.00		-
9-14	Various Capital Improvements	11.1	26,700.00	9/25/2015	565,000.00	-	-	-	80,750.00	80,750.00	80,750.00	80,750.00	80,750.00	80,750.00	\$ 80,500.00	-
	TOTAL				\$ 2,815,775.00	\$ 216,500.00	\$ 311,500.00	\$ 298,100.00	\$ 369,250.00	\$ 287,002.00	\$ 191,223.00	\$ 166,100.00	\$ 127,750.00	\$ 106,575.00	\$ 80,500.00	\$ -

** Minimum Payment
Original Issue Amount /(2*Useful Life)-1

\$312,864

TOWNSHIP OF BYRAM
DEBT MANAGEMENT PLAN
SPECIAL EMERGENCY

<u>Year</u>	<u>Rate</u>	<u>Principal</u>	<u>Interest</u>	<u>Total Debt</u>	<u>Balance</u>
2013	1.25%				\$ 90,000.00
2014	1.25%	\$ 30,000.00	\$ 1,125.00	\$ 31,125.00	60,000.00
2015	2.00%	30,000.00	750.00	30,750.00	30,000.00
2016	2.00%	30,000.00	600.00	30,600.00	-

TOWNSHIP OF BYRAM
DEBT MANAGEMENT PLAN
SUMMARY - FUTURE DEBT

<u>Year</u>	<u>Interest Rate</u>	<u>Debt Issued</u>	<u>Principal Paydown</u>	<u>Interest</u>	<u>Total Debt Payment</u>	<u>Balance</u>
2017	2.00%	\$ 350,000.00				\$ 350,000.00
2018	2.00%	350,000.00		\$ 7,000.00	\$ 7,000.00	700,000.00
2019	2.00%	350,000.00		14,000.00	14,000.00	1,050,000.00
2020	2.00%	350,000.00	\$ 45,000.00	21,000.00	66,000.00	1,355,000.00
2021	2.00%	350,000.00	90,000.00	27,100.00	117,100.00	1,615,000.00
2022	2.00%	350,000.00	135,000.00	32,300.00	167,300.00	1,830,000.00
2023	2.00%	350,000.00	180,000.00	36,600.00	216,600.00	2,000,000.00
2024	2.00%	350,000.00	225,000.00	40,000.00	265,000.00	2,125,000.00

TOWNSHIP OF BYRAM
DEBT MANAGEMENT PLAN
FUTURE DEBT

Date Authorized	Description	Est. Useful Life	Minimum Downpayment	Estimated Date of Issue	Debt Authorized	2017	2018	2019	2020	2021	2022	2023	2024	Balance
2016	Various Capital Improvements	5	\$ 40,000.00	2017	\$ 350,000.00				\$ 45,000.00	\$ 45,000.00	\$ 45,000.00	\$ 45,000.00	\$ 45,000.00	\$ 125,000.00
2017	Various Capital Improvements	5	40,000.00	2018	350,000.00					45,000.00	45,000.00	45,000.00	45,000.00	170,000.00
2018	Various Capital Improvements	5	40,000.00	2019	350,000.00						45,000.00	45,000.00	45,000.00	215,000.00
2019	Various Capital Improvements	5	40,000.00	2020	350,000.00							45,000.00	45,000.00	260,000.00
2020	Various Capital Improvements	5	40,000.00	2021	350,000.00								45,000.00	305,000.00
2021	Various Capital Improvements	5	40,000.00	2022	350,000.00									350,000.00
2022	Various Capital Improvements	5	40,000.00	2023	350,000.00									350,000.00
2023	Various Capital Improvements	5	40,000.00	2024	350,000.00									350,000.00
TOTAL					\$ 2,800,000.00	\$ -	\$ -	\$ -	\$ 45,000.00	\$ 90,000.00	\$ 135,000.00	\$ 180,000.00	\$ 225,000.00	\$ 2,125,000.00



Joe Sabatini <jsabatini@byramtwp.org>

Capital Budget request for 2015

1 message

Chief Raymond F. Rafferty <r Rafferty@byrampd.org>

Tue, Dec 9, 2014 at 11:42 AM

To: Ashleigh Frueholz <afrueholz@byramtwp.org>

Cc: Joe Sabatini <jsabatini@byramtwp.org>

Ashleigh,

Here is a request for the 2015 capital budget.

1. Automatic License Plate Reader, estimated cost of \$20,000.
2. New Police Radios and Portables for ultra high frequency, estimated cost of \$40,000.

If you need anything else please let me know.

Thanks,

Chief Raymond F. Rafferty

Byram Township Police Department

Phone: 973-347-4008

Fax: 973-347-9089

FBI NA 230

Joe Sabatini <jsabatini@byramtwp.org>**FW: Alcotest Changeover Program**

1 MESSAGE

Chief Raymond F. Rafferty <r Rafferty@byrampd.org>
To: Joe Sabatini <jsabatini@byramtwp.org>

Tue, Feb 11, 2014 at 10:21 AM

Joe,

Here is the information you requested on the Alcotest from the Drager representative.

As per our conversation I will be willing to work with MSI to see what we need for the server in the police department.

If you need anything else let me know.

Chief Raymond F. Rafferty

Byram Township Police Department

Phone: 973-347-4008

Fax: 973-347-9089

FBI NA 230

From: Pouliot, Don [<mailto:Don.Pouliot@draeger.com>]
Sent: Monday, February 10, 2014 12:04 PM
To: RRafferty@Byrampd.Org
Subject: Alcotest Changeover Program

Chief Rafferty,

Over a year ago we notified the NJSP and State Crime Lab Director that Drager would no longer be able to produce new Alcotest 7110 MK III-C breath testing instruments. This was in part due to the fact that Motorola stopped making the Microprocessor for the 7110 the year before. We had to turn down almost a dozen NJ agencies who wanted to buy second instruments last year because of the parts shortage. We do have sufficient trade in instruments from the New York State Police who purchased the Alcotest 9510 so keeping the program going will not be the issue.

The Alcotest 7110 continues to be the accepted leading edge technology worldwide with other manufacturers attempting to develop competing dual sensor versions. Our Alcotest 9510 has been placed in several states nationwide and will be the unit we hope the State of New Jersey chooses as we enter the changeover year of 2017. The NJ State Crime Lab under Dr. Ali Alaouie has indicated a decision will be made and that the state would

like to begin the changeover Q2 or Q3 of 2017.

Current programs are costing states in the area of \$15-\$16,000 per system. 2-3 years from now that cost is sure to adjust annually with components, raw materials and labor always on the upswing but our best guess is that given the quantity here in New Jersey you should estimate the budget in the \$16,000+ neighborhood. There will be updates as the program gets well out from a year away to give agencies statewide sufficient time to budget. The last Alcotest 7110 systems went out in late 2012 at \$14,754 configured with the hardware, software and 5 year warranty that was offered to every agency at every level of government. Much depends on how the state wants the system configured. We believe they will drop the wet bath simulators in favor of dry gas as all states have done in the past few years. There is a positive offset to the cost in less man hours to maintain the day to day operation.

Later this year we should receive more information from the state on their projected target dates to begin the rollout and of course which manufacturers instrument will be chosen. As soon as that happens there will be statewide notification through the NJ Chiefs Association email network. Until then you should budget as indicated and until further notice from the state be prepared for mid-2017 for the County by County roll out to begin.

Regards,

Don Pouliot

Regional Sales Manager

Draeger Safety Diagnostics, Inc.

4040 West Royal Lane Suite 136

Irving, TX 75063

Texas Office: 972-929-1100

New Jersey Office: 973-398-3228

NJ Fax: 973-398-3449

NJ Cell: 973-219-9520

Email: Don.Pouliot@Draeger.Com

Web Site: WWW.Draeger.Com



LAKELAND EMERGENCY SQUAD

Serving
ANDOVER BORO
ANDOVER TWP.
BYRAM TWP.

Lakeland EMS Capital Budgeting Plan

Matthew Jones - President





LAKELAND
EMERGENCY SQUAD

Serving
ANDOVER BORO
ANDOVER TWP.
BYRAM TWP.

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Current Financial Situation





LAKELAND EMERGENCY SQUAD

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ANDOVER BORO
ANDOVER TWP.
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Objectives

- Discuss Lakeland EMS Sources of revenue/expenses
- Discuss impending financial issues
- Discuss current financial mitigation efforts





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BYRAM TWP.

Current Sources of Income

- Mailing Donations - ~\$60,000
- Hudson Farm Charity Hike - ~\$17,000
- Other Donations - ~\$4,000
- County Donation - \$3,000
- Byram Twp. Donation - \$25,000
- Andover Twp. Annual Donation - \$25,000
- Andover Boro Donation - \$5,000
- *2013 Total Revenue- \$196,921*



LAKELAND EMERGENCY SQUAD

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ANDOVER BORO
ANDOVER TWP.
BYRAM TWP.

Current Annual Expenditures

- Loan repayment for building - \$7,500
- Vehicle/ Equipment Maintenance – - \$26,000
- Building Maintenance - \$9,000
- Insurance - \$25,000
- Equipment Upgrades - \$17,000
- Supplies - \$8,500
- Uniforms - \$15,000
- Squad Dinner - \$9,000

- *2013 Total - \$177,777*



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BYRAM TWP.

Current Financial Issues

- Annual donations have remained about the same from year to year
- Township donations remain the same
- Maintenance costs increasing
- New member equipment costs rising ~ **\$/member**
- AICC donations have ceased due to legal advice from their lawyer – loss of ~\$10,000/yr



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ANDOVER TWP.
BYRAM TWP.

Near Term Mitigation

- Gooddale Oil Cost Reduction - ~\$1000/yr – New Oil Provider
- Phone/Internet Cost Reduction - ~\$800/yr – New internet/phone provider
- Cranberry Electrical Cost Reduction - ~\$400/yr – Bay light motion sensors
- Supply cost reduction - ~\$600/yr – Reduce inventory and minimize expiration
- Clothing Donation Bin - \$1,750/yr
- Cumulative mitigation does not offset AICC losses



LAKELAND
EMERGENCY SQUAD

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Future Financial Situation





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ANDOVER TWP.
BYRAM TWP.

Impending Financial Liabilities

- Warranty on new rigs ends 2019 – sharp increase in maintenance costs
 - 32.8% of calls are simultaneous - requiring 2+ rigs
- >\$75,000 to fix Cranberry Bldg – High priority
- >\$55,000 to fix Gooddale bldg - Urgent
- \$126,500 to rechassis Lakeland owned 53-52

Loan Analysis

- Building Repair
 - Gooddale+ Cranberry

- 43-52 Financial Liability

Loan calculator and Amortization

Loan amount:

\$ 125000

Loan term:

15.000 years or 180 months

Interest rate:

5 % per year

Loan start date:

Sep 29 2015

Monthly Payments:

\$ 988.49

Calculate

Loan calculator and Amortization

Loan amount:

\$ 126500

Loan term:

10.000 years or 120 months

Interest rate:

5 % per year

Loan start date:

Sep 29 2015

Monthly Payments:

\$ 1341.73

Calculate

- \$2327/month repayment - \$27924/yr
 - Best annual net income = ~\$15,000
 - Lakeland can only afford half of necessary expenses

Loan Analysis

- Building Repair (30 Year)

- 43-52 Financial Liability

Loan calculator and Amortization

Loan amount:
\$ 125000

Loan term:
30.000 years or 360 months

Interest rate:
5.15 % per year

Loan start date:
Sep 29 2015

Monthly Payments:
\$ 682.53

Calculate

Loan calculator and Amortization

Loan amount:
\$ 125000


Loan term:
30.000 years or 360 months

Interest rate:
5.15 % per year

Loan start date:
Sep 29 2015

Monthly Payments:
\$ 682.53

Calculate



- \$682/month repayment - \$8184/yr!
 - Best annual net income = ~\$15,000
 - Can afford building repair only without rig replacement



Serving _____
ANDOVER BORO
ANDOVER TWP.
BYRAM TWP.

Objectives

- Repeater radio system
- Upgraded buildings with energy efficiency and ability to act as emergency community shelters
- Officer radio upgrades for interoperability
- Mechanical CPR assist devices





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ANDOVER BORO
ANDOVER TWP.
BYRAM TWP.

Township Assistance

- Annual allocation from Andover/Byram Twp
 - ~\$20,000/yr to keep 3 rigs current and upgrade 2 to 4 WD
 - Assuming 1300 annual calls ~\$15.38/call





Serving _____
ANDOVER BORO
ANDOVER TWP.
BYRAM TWP.

Conclusions

- Lakeland cannot afford building repair and rechassis of Lakeland owned rig (43-52) (does not include rescue truck)
- The use of loans to finance improvements will result in significant impact to annual financial income and cause excessive increase to our financial risk for 30 years

We are on an unsustainable path in terms of equipment and facility costs



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BYRAM TWP.

Long Term Mitigation

- Establish long term capital budgeting with Byram Twp and Andover Twp to minimize financial risk and ensure continuity of care

**We are on an unsustainable path in terms of
equipment and facility costs**

**BYRAM TOWNSHIP - ROADWAY IMPROVEMENT PLAN
10 YEAR PLAN - 2011 to 2020**

STREET NAME	Year	Length	Width	Area	Milling (Y/N),	2013 Asphalt	2013 Oil &	2013	2013	ACTUAL COSTS	ACTUAL COSTS	ACTUAL COSTS	ACTUAL COSTS	2015	2016	2017	2018	2019	2020
	Last Paved	(Feet)	(Feet)	(SY)	Reclamation	Costs (\$/SY)	Stone Costs (\$/SY)	Paving Costs	O&S Costs	2011	2012	2013	2014						
Roseville Road																			
Roseville Road - Section I	2009	3,550	24	9,467	N	\$10.25	NA	\$97,033.33	NA										\$136,535.64
Roseville Road - Section II	2011	3,350	24	8,933	R	\$20.50	NA	\$225,000.00	NA	\$237,500.00									
Roseville Road - Section II (to Tunnel)	2012	1,000	26	2,889	R	\$20.50	NA	\$59,222.22	NA		\$40,000.00								
Roseville Road - Section III	2012	6,050	24	16,133	R	\$20.50	NA	\$330,733.33	NA	\$10,000.00	\$326,500.00								
Roseville Road - Section IV	2013	4,025	24	10,733	R	\$20.50	NA	\$220,033.33	NA		\$10,000.00	\$200,000.00							
Tamarack Road																			
Tamarack Road - Section I	2000/2013	3,400	30	11,333	Y	\$12.25	NA	\$138,833.33	NA			\$180,000.00							
Tamarack Road - Section II	2001	4,485	30	14,950	Y	\$12.25	NA	\$183,137.50	NA				\$135,000.00						
Amity Road																			
Amity Road - Section I	2002	24	3,500	9,333	R	\$20.50	NA	\$191,333.33	NA				\$5,000.00	\$190,000.00					
Amity Road - Section II	2004	24	3,115	8,307	Y	\$12.25	NA	\$101,756.67	NA					\$40,000.00	\$85,000.00				
Amity Road - Section III	2006	24	3,405	9,080	Y	\$12.25	NA	\$111,230.00	NA						\$135,000.00				
North Shore Road																			
North Shore Road - I	2004	2,400	24	6,400	Y	\$12.25	NA	\$78,400.00	NA								\$100,060.47		
North Shore Road - II	2007	2,900	24	7,733	Y	\$12.25	NA	\$94,733.33	NA								\$120,906.41		
North Shore Road - III	2008	3,370	24	8,987	Y	\$12.25	NA	\$110,086.67	NA									\$147,526.66	
Lake Lackawanna																			
Mansfield Drive	?	1,800	28	5,600	Y	\$12.25	\$2.40	\$68,600.00	\$13,440.00						\$79,413.08				
Bank Street	1999	800	20	1,778	N	\$10.25	\$2.40	\$18,222.22	\$4,266.67			\$2,500.00					\$5,445.47		
Carpenter Road	1999	245	12	327	N	\$10.25	\$2.40	\$3,348.33	\$784.00		\$6,000.00								
Heminover Street	1999	860	22	2,102	N	\$10.25	\$2.40	\$21,547.78	\$5,045.33			\$3,000.00					\$6,439.27		
Lake Drive/Reis Avenue/Brown Dr	1999	7,250	22	17,722	N	\$10.25	\$2.40	\$181,652.78	\$42,533.33			\$25,000.00					\$54,284.51		
Lake Drive - Loop Roads	1999	6,850	22	16,744	N	\$10.25	\$2.40	\$171,630.56	\$40,186.67			\$24,000.00					\$51,289.50		
Partridge Road	2005	200	12	267	N	\$10.25	\$2.40	\$2,733.33	\$640.00								\$816.82		
Richmond Road	1999	2,650	22	6,478	N	\$10.25	\$2.40	\$66,397.22	\$15,546.67			\$9,000.00					\$19,841.92		
Orchard Street	???	400	15	667	N	\$10.25	\$2.40	\$6,833.33	\$1,600.00										
Forest Lakes																			
Conrad Strasse	2000	720	24	1,920	Y	\$12.25	\$2.40	\$23,520.00	\$4,608.00					\$5,080.32					\$6,483.92
Crecent Drive North	2001/2002	3,085	24	8,227	Y	\$12.25	\$2.40	\$100,776.67	\$19,744.00				\$22,000.00					\$26,458.85	
Crecent Drive South	2001	2,455	24	6,547	Y	\$12.25	\$2.40	\$80,196.67	\$15,712.00					\$17,322.48					\$22,108.36
Crows Nest Road	2000	1,185	24	3,160	Y	\$12.25	\$2.40	\$38,710.00	\$7,584.00					\$8,361.36					\$10,671.45
Deer Run	2002	1,285	22	3,141	Y	\$12.25	\$2.40	\$38,478.61	\$7,538.67				\$9,000.00						\$10,102.53
Forest Lakes Drive North	2003	4,835	22	11,819	Y	\$12.25	\$2.40	\$144,781.39	\$28,365.33					\$31,272.78					\$39,912.87
Forest Lakes Drive South	2003	2,905	22	7,101	Y	\$12.25	\$2.40	\$86,988.61	\$17,042.67					\$18,789.54					\$23,980.74
Glen Clove Road	2001	1,335	22	3,263	Y	\$12.25	\$2.40	\$39,975.83	\$7,832.00					\$8,634.78					\$11,020.41
Harbor View Drive	2001	970	26	2,802	Y	\$12.25	\$2.40	\$34,327.22	\$6,725.33				\$8,000.00						\$9,012.59
Hemlock Road	2001	1,860	22	4,547	Y	\$12.25	\$2.40	\$55,696.67	\$10,912.00				\$12,000.00						\$14,623.12
Lake View Drive	2001	1,210	20	2,689	Y	\$12.25	\$2.40	\$32,938.89	\$6,453.33					\$7,114.80					\$9,080.49
Old Stage Coach Road	2000	2,980	20	6,622	Y	\$12.25	\$2.40	\$81,122.22	\$15,893.33					\$17,522.40					\$22,363.52
Peach Tree Street	2000	715	22	1,748	Y	\$12.25	\$2.40	\$21,410.28	\$4,194.67					\$4,624.62					\$5,902.32
The Rotunda	2001	1,645	24	4,387	Y	\$12.25	\$2.40	\$53,736.67	\$10,528.00				\$12,000.00						\$14,108.53
Sandy's Road	2000	1,025	22	2,506	Y	\$12.25	\$2.40	\$30,693.06	\$6,013.33					\$6,629.70					\$8,461.36
Sherwood Forest Drive	2002	3,590	22	8,776	Y	\$12.25	\$2.40	\$107,500.56	\$21,061.33				\$23,000.00						\$28,224.20
Sleepy Hollow Road	2000	5,805	26	16,770	Y	\$12.25	\$2.40	\$205,432.50	\$40,248.00					\$44,373.42					\$56,632.98
Sunset Way	2000	150	28	467	Y	\$12.25	\$2.40	\$5,716.67	\$1,120.00					\$1,234.80					\$1,575.95
Winding Way	2002	2,160	20	4,800	Y	\$12.25	\$2.40	\$58,800.00	\$11,520.00				\$12,000.00						\$15,437.90
Woodlawn Drive	2001	185	20	411	Y	\$12.25	\$2.40	\$5,036.11	\$986.67				\$2,000.00						\$1,322.23
Cranberry Lake																			
Allamuchy Trail	2006	1,290	18	2,580	Y	\$12.25	\$2.40	\$31,605.00	\$6,192.00										\$7,902.74
Bald Rock Trail	2005	190	12	253	Y	\$12.25	\$2.40	\$3,103.33	\$608.00							\$739.03			
Birch Trail	1998	605	16	1,076	Y	\$12.25	\$2.40	\$13,175.56	\$2,581.33							\$3,137.63			
Boulder Trail	2006	260	17	491	Y	\$12.25	\$2.40	\$6,016.11	\$1,178.67							\$1,432.68			
Bridge Trail	2006	215	10	239	Y	\$12.25	\$2.40	\$2,926.39	\$573.33								\$731.73		
Brook Trail	2005	320	14	498	Y	\$12.25	\$2.40	\$6,097.78	\$1,194.67							\$1,452.12			
Cabin Spring Trail	2005	845	21	1,972	Y	\$12.25	\$2.40	\$24,152.92	\$4,732.00										\$6,039.36
Cliff Drive	2005	200	12	267	Y	\$12.25	\$2.40	\$3,266.67	\$640.00					\$777.92					
Cranberry Ledge Road	1998	3,275	20	7,278	Y	\$12.25	\$2.40	\$89,152.78	\$17,466.67					\$21,230.84					
Dennis Hill Road	2006	880	19	1,858	Y	\$12.25	\$2.40	\$22,757.78	\$4,458.67										\$5,690.51
Fox Trail	2004	515	16	916	Y	\$12.25	\$2.40	\$11,215.56	\$2,197.33							\$2,670.87			
Frenche's Grove Road	2006	1,210	24	3,227	Y	\$12.25	\$2.40	\$39,526.67	\$7,744.00										\$9,883.52
Greywood Lane	2006	165	16	293	Y	\$12.25	\$2.40	\$3,593.33	\$704.00										\$898.50
Grove Path	2006	215	10	239	Y	\$12.25	\$2.40	\$2,926.39	\$573.33										\$731.73
Harding Road	2005	610	12	813	Y	\$12.25	\$2.40	\$9,963.33	\$1,952.00										\$2,491.30
Hart Trail	1998	686	15	1,143	Y	\$12.25	\$2.40	\$14,005.83	\$2,744.00										\$3,335.35
Hawthorne Trail	2004	785	18	1,570	Y	\$12.25	\$2.40	\$19,232.50	\$3,768.00							\$4,580.03			
Hickory Trail	2005	215	12	287	Y	\$12.25	\$2.40	\$3,511.67	\$688.00										\$878.08
High-To-Ga Trail	2005	480	15	800	Y	\$12.25	\$2.40	\$9,800.00	\$1,920.00										\$2,450.46
Hilltop Trail	2005	490	14	762	Y	\$12.25	\$2.40	\$9,337.22	\$1,829.33										\$2,334.74
Ka-Ton-Ah Trail	2005	545	16	969	Y	\$12.25	\$2.40	\$11,868.89	\$2,325.33										\$2,967.78
La-Bo-Ga Trail	2006	270	17	510	Y	\$12.25	\$2.40	\$6,247.50	\$1,224.00										\$1,562.17

**BYRAM TOWNSHIP - ROADWAY IMPROVEMENT PLAN
10 YEAR PLAN - 2011 to 2020**

STREET NAME	Year	Length	Width	Area	Milling (Y/N),	2013 Asphalt	2013 Oil &	2013	2013	ACTUAL COSTS	ACTUAL COSTS	ACTUAL COSTS	ACTUAL COSTS	2015	2016	2017	2018	2019	2020
	Last Paved	(Feet)	(Feet)	(SY)	Reclamation	Costs (\$/SY)	Stone Costs (\$/SY)	Paving Costs	O&S Costs	2011	2012	2013	2014						
Lakeview Trail	2006	1,095	14	1,703	Y	\$12.25	\$2.40	\$20,865.83	\$4,088.00								\$5,217.44		
Landone Trail	2006	370	13	534	Y	\$12.25	\$2.40	\$6,546.94	\$1,282.67							\$1,559.09			
Laurel Trail	2006	775	16	1,378	Y	\$12.25	\$2.40	\$16,877.78	\$3,306.67								\$4,220.24		
Meteor Trail	2006	1,480	17	2,796	Y	\$12.25	\$2.40	\$34,245.56	\$6,709.33								\$8,563.00		
Maugtaug Trail	2005	345	12	460	Y	\$12.25	\$2.40	\$5,635.00	\$1,104.00								\$1,409.01		
North Shore Trail	2006	575	16	1,022	Y	\$12.25	\$2.40	\$12,522.22	\$2,453.33								\$3,131.14		
Oak Trail	1998	515	14	801	Y	\$12.25	\$2.40	\$9,813.61	\$1,922.67							\$2,337.01			
Opa Pass	2005	140	12	187	Y	\$12.25	\$2.40	\$2,286.67	\$448.00								\$571.77		
Overview	2005	175	14	272	Y	\$12.25	\$2.40	\$3,334.72	\$653.33								\$833.84		
Panther Pass	2005	495	17	935	Y	\$12.25	\$2.40	\$11,453.75	\$2,244.00								\$2,863.98		
Pathfinder Trail	2006	520	21	1,213	Y	\$12.25	\$2.40	\$14,863.33	\$2,912.00							\$3,539.55			
Racoon Trail	2004	135	14	210	Y	\$12.25	\$2.40	\$2,572.50	\$504.00							\$612.62			
Rose Trail	2006	805	16	1,431	Y	\$12.25	\$2.40	\$17,531.11	\$3,434.67								\$4,383.60		
Saddle Lane	1998	180	22	440	Y	\$12.25	\$2.40	\$5,390.00	\$1,056.00							\$1,283.57			
Saugtaug Trail	2005	795	12	1,060	Y	\$12.25	\$2.40	\$12,985.00	\$2,544.00								\$3,246.86		
Side Hill Trail	2004	450	19	950	Y	\$12.25	\$2.40	\$11,637.50	\$2,280.00								\$2,771.35		
South Lake Trail	2004	400	12	533	Y	\$12.25	\$2.40	\$6,533.33	\$1,280.00								\$1,555.85		
South Shore Road	2005	4,160	20	9,244	Y	\$12.25	\$2.40	\$113,244.44	\$22,186.67								\$28,316.43		
South Shore Road	???	1,450	20	3,222	Y	\$12.25	\$2.40	\$39,472.22	\$7,733.33	\$28,000.00							\$9,869.91		
Spring Trail	2005	190	16	338	Y	\$12.25	\$2.40	\$4,137.78	\$810.67								\$985.37		
Spruce Trail	2005	495	17	935	Y	\$12.25	\$2.40	\$11,453.75	\$2,244.00								\$2,727.60		
Strawberry Point Drive	2004	2,840	24	7,573	Y	\$12.25	\$2.40	\$92,773.33	\$18,176.00								\$23,197.69		
Tote Road	2005	1,290	20	2,867	Y	\$12.25	\$2.40	\$35,116.67	\$6,880.00								\$8,780.82		
Weasaug Trail	2005	380	12	507	Y	\$12.25	\$2.40	\$6,206.67	\$1,216.00								\$1,551.96		
Weaver House Cove Road	2004	1,315	25	3,653	Y	\$12.25	\$2.40	\$44,746.53	\$8,766.67							\$10,655.94			
Wo-Ta-Ga Trail	2006	745	14	1,159	Y	\$12.25	\$2.40	\$14,196.39	\$2,781.33								\$3,549.76		
Tamarack																			
Manu Trail	2000	1,375	30	4,583	N	\$10.25	\$2.40	\$46,979.17	\$11,000.00		\$5,500.00				\$12,733.88				
Hunters Lane	2000	1,465	26	4,232	N	\$10.25	\$2.40	\$43,380.28	\$10,157.33		\$5,100.00				\$11,758.38				
Knute Drive	2002	375	19	792	N	\$10.25	\$2.40	\$8,114.58	\$1,900.00								\$2,199.49		
C.O. Drive	2002	755	18	1,510	N	\$10.25	\$2.40	\$15,477.50	\$3,624.00								\$4,195.23		
Colby Drive	2002	1,465	30	4,883	N	\$10.25	\$2.40	\$50,054.17	\$11,720.00				\$7,000.00				\$14,958.02		
Cross Trail	2002	220	21	513	N	\$10.25	\$2.40	\$5,261.67	\$1,232.00				\$1,000.00				\$1,572.38		
Little Paint Way	2002	1,440	22	3,520	N	\$10.25	\$2.40	\$36,080.00	\$8,448.00						\$9,779.62				
Old Indian Spring Road	2002	3,050	18	6,100	N	\$10.25	\$2.40	\$62,525.00	\$14,640.00								\$18,684.76		
Roger Drive	2002	560	20	1,244	N	\$10.25	\$2.40	\$12,755.56	\$2,986.67						\$3,457.44				
Ghost Pony Road	2002	1,960	21	4,573	N	\$10.25	\$2.40	\$46,876.67	\$10,976.00								\$14,008.47		
East Brookwood																			
Brookwood Road - II	2002	2,000	28	6,222	Y	\$12.25	\$2.40	\$76,222.22	\$14,933.33								\$18,151.56		
Brookwood Road - III	2005	2,400	28	7,467	Y	\$12.25	\$2.40	\$91,466.67	\$17,920.00								\$21,781.87		
Briar Lane	2005	1,775	30	5,917	Y	\$12.25	\$2.40	\$72,479.17	\$14,200.00								\$17,260.19		
Joan Drive	2006	2,445	30	8,150	Y	\$12.25	\$2.40	\$99,837.50	\$19,560.00								\$23,775.30		
Ross Road	2004	3,330	30	11,100	Y	\$12.25	\$2.40	\$135,975.00	\$26,640.00								\$32,381.09		
Brookwood Drive	2009	3,410	30	11,367	Y	\$12.25	\$2.40	\$139,241.67	\$27,280.00										
Brookwood Road - I	2009	2,000	28	6,222	Y	\$12.25	\$2.40	\$76,222.22	\$14,933.33										
Debbie Drive	2009	535	30	1,783	Y	\$12.25	\$2.40	\$21,845.83	\$4,280.00										
Dogwood Lane Road	2009	185	16	329	Y	\$12.25	\$2.40	\$4,028.89	\$789.33										
Mountain Avenue	2009	245	20	544	Y	\$12.25	\$2.40	\$6,669.44	\$1,306.67										
Pleasant Hill Road	2009	170	17	321	Y	\$12.25	\$2.40	\$3,933.61	\$770.67										
Sand Hill Road	2009	565	18	1,130	Y	\$12.25	\$2.40	\$13,842.50	\$2,712.00										
Sandy Brook Road	2009	330	13	477	Y	\$12.25	\$2.40	\$5,839.17	\$1,144.00										
Shady Brook Road	2009	320	22	782	Y	\$12.25	\$2.40	\$9,582.22	\$1,877.33										
Stony Brook Road	2009	1,210	20	2,689	Y	\$12.25	\$2.40	\$32,938.89	\$6,453.33										
Trout Brook Road	2009	355	17	671	Y	\$12.25	\$2.40	\$8,214.31	\$1,609.33										
Waterloo Road	2009	330	17	623	Y	\$12.25	\$2.40	\$7,635.83	\$1,496.00										
White Birch Road	2009	690	22	1,687	Y	\$12.25	\$2.40	\$20,661.67	\$4,048.00										
Wildwood Road	2009	445	22	1,088	Y	\$12.25	\$2.40	\$13,325.28	\$2,610.67										
Woods Edge Road	2009	1,320	22	3,227	Y	\$12.25	\$2.40	\$39,526.67	\$7,744.00										
West Brookwood																			
Acorn Street	2010	2,555	22	6,246	Y	\$12.25	\$2.40	\$76,508.06	\$14,989.33										
Adair Street	2010	1,195	21	2,788	Y	\$12.25	\$2.40	\$34,157.08	\$6,692.00										
Ash Street	2010	3,150	24	8,400	Y	\$12.25	\$2.40	\$102,900.00	\$20,160.00										
Avon Street	2010	800	20	1,778	Y	\$12.25	\$2.40	\$21,777.78	\$4,266.67										
Banker Drive	2010	620	18	1,240	Y	\$12.25	\$2.40	\$15,190.00	\$2,976.00										
Beech Street	2009	1,675	22	4,094	Y	\$12.25	\$2.40	\$50,156.94	\$9,826.67										
Belton Road	2010	3,600	20	8,000	Y	\$12.25	\$2.40	\$98,000.00	\$19,200.00	\$69,000.00									
Broad Avenue	2010	1,500	20	3,333	Y	\$12.25	\$2.40	\$40,833.33	\$8,000.00										
Byram Avenue	2010	330	24	880	Y	\$12.25	\$2.40	\$10,780.00	\$2,112.00										
Cascade Avenue	2010	240	24	640	Y	\$12.25	\$2.40	\$7,840.00	\$1,536.00										
Chestnut Street - Part I	2008	500	22	1,222	Y	\$12.25	\$2.40	\$14,972.22	\$2,933.33										
Chestnut Street - Part II	2009	1,100	22	2,689	Y	\$12.25	\$2.40	\$32,938.89	\$6,453.33										
Chestnut Street - Part III	???	900	22	2,200	Y	\$12.25	\$2.40	\$26,950.00	\$5,280.00	\$19,000.00									
Drain Way	2010	210	16	373	Y	\$12.25	\$2.40	\$4,573.33	\$896.00										
Glen Brook Street	???	250	20	556	Y	\$12.25	\$2.40	\$6,805.56	\$1,333.33	\$6,500.00									
Lockwood Avenue	2008	1,725	20	3,833	Y	\$12.25	\$2.40	\$46,958.33	\$9,200.00										

**BYRAM TOWNSHIP - ROADWAY IMPROVEMENT PLAN
10 YEAR PLAN - 2011 to 2020**

STREET NAME	Year	Length	Width	Area	Milling (Y/N),	2013 Asphalt	2013 Oil &	2013	2013	ACTUAL COSTS	ACTUAL COSTS	ACTUAL COSTS	ACTUAL COSTS	2015	2016	2017	2018	2019	2020	
	Last Paved	(Feet)	(Feet)	(SY)	Reclamation	Costs (\$/SY)	Stone Costs (\$/SY)	Paving Costs	O&S Costs	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Mayne Avenue	2008	1,960	22	4,791	Y	\$12.25	\$2.40	\$58,691.11	\$11,498.67											
Newton Avenue	2010	850	16	1,511	Y	\$12.25	\$2.40	\$18,511.11	\$3,626.67											
River Road - Part I	2010	1,825	20	4,056	Y	\$12.25	\$2.40	\$49,680.56	\$9,733.33											
River Road - Part II	???	2,300	20	5,111	Y	\$12.25	\$2.40	\$62,611.11	\$12,266.67	\$44,000.00										
Spring Brook Street	???	275	18	550	Y	\$12.25	\$2.40	\$6,737.50	\$1,320.00	\$6,500.00										
Sussex Street	2010	685	18	1,370	Y	\$12.25	\$2.40	\$16,782.50	\$3,288.00											
Union Street	2009	1,010	16	1,796	Y	\$12.25	\$2.40	\$21,995.56	\$4,309.33											
Lauren Court	???	1,010	30	3,367	Y	\$12.25	\$2.40	\$41,241.67	\$8,080.00		\$4,100.00					\$9,821.29				
Robert Street	???	585	30	1,950	Y	\$12.25	\$2.40	\$23,887.50	\$4,680.00		\$2,400.00					\$5,688.57				
Jefferson Lake Road	???	1,750	18	3,500	N	\$10.25	\$2.40	\$35,875.00	\$8,400.00		\$4,800.00					\$10,210.25				
Route 206																				
Jans Way	2000	405	18	810	N	\$10.25	\$2.40	\$8,302.50	\$1,944.00	\$7,500.00										
Rosemaire Lane	2000	520	18	1,040	N	\$10.25	\$2.40	\$10,660.00	\$2,496.00	\$10,000.00										
Maple Road	2000	715	18	1,430	N	\$10.25	\$2.40	\$14,657.50	\$3,432.00		\$1,800.00					\$4,171.62				
Birch Road	2000	1,360	20	3,022	N	\$10.25	\$2.40	\$30,977.78	\$7,253.33		\$3,600.00					\$8,816.47				
Willor Drive	2000	700	20	1,566	N	\$10.25	\$2.40	\$15,944.44	\$3,733.33		\$1,900.00					\$4,537.89				
Jones Lane	?	690	18	1,380	N	\$10.25	\$2.40	\$14,145.00	\$3,312.00											
Drexel Drive	2001	710	23	1,814	N	\$10.25	\$2.40	\$18,598.06	\$4,354.67		\$2,200.00					\$5,293.12				
Francis Terrace	2001	370	22	904	N	\$10.25	\$2.40	\$9,270.56	\$2,170.67		\$1,200.00					\$2,638.46				
Hi Glen Drive	2001	320	31	1,102	N	\$10.25	\$2.40	\$11,297.78	\$2,645.33		\$1,300.00					\$3,215.42				
Whitehall Hill Road	2003	2,065	24	5,507	N	\$10.25	\$2.40	\$56,443.33	\$13,216.00		\$6,600.00					\$16,064.13				
Pierson Drive	2002	700	22	1,711	N	\$10.25	\$2.40	\$17,538.89	\$4,106.67		\$2,000.00					\$4,991.68				
Ridge Place	2002	190	18	380	N	\$10.25	\$2.40	\$3,895.00	\$912.00		\$500.00					\$1,108.54				
Johnson Boulevard	2002	700	20	1,566	N	\$10.25	\$2.40	\$15,944.44	\$3,733.33		\$1,900.00					\$4,537.89				
Lake Mohawk/Tomahawk Lake																				
Tomahawk Trail	2011	24	3,500	9,333	Y	\$12.25	\$2.40	\$114,333.33	NA											
Lynn Drive	???	30	6,160	20,533	Y	\$12.25	\$2.40	\$251,533.33	\$49,280.00		\$50,000.00			\$150,000.00	\$150,000.00					
Cathrine Terrace	???	30	620	2,067	N	\$10.25	\$2.40	\$21,183.33	\$4,960.00						\$24,522.36					
Carlisle Drive	???	30	850	2,833	N	\$10.25	\$2.40	\$29,041.67	\$6,800.00						\$33,619.36					
Douglas Terrace	???	30	1,055	3,517	N	\$10.25	\$2.40	\$36,045.83	\$8,440.00						\$41,727.56					
Susan Lane	???	30	635	2,117	Y	\$12.25	\$2.40	\$25,929.17	\$5,080.00							\$6,174.77				
Tartan Court	???	30	400	1,333	N	\$10.25	\$2.40	\$13,666.67	\$3,200.00							\$3,889.62				
Braemar Court	???	30	700	2,333	N	\$10.25	\$2.40	\$23,916.67	\$5,600.00							\$6,806.84				
Elizabeth Lane	???	30	670	2,233	N	\$10.25	\$2.40	\$22,891.67	\$5,360.00							\$6,515.11				
Ascot Lane	???	28	1,250	3,889	N	\$10.25	\$2.40	\$39,861.11	\$9,333.33										\$12,507.56	
Mara Lane	???	28	185	576	N	\$10.25	\$2.40	\$5,899.44	\$1,381.33										\$1,851.12	
Anderson Lane	???	30	250	833	N	\$10.25	\$2.40	\$8,541.67	\$2,000.00										\$2,680.19	
Birch Parkway	???	24	980	2,613	N	\$10.25	\$2.40	\$26,786.67	\$6,272.00							\$7,623.66				
Bridget Way	???	30	1,415	4,717	N	\$10.25	\$2.40	\$48,345.83	\$11,320.00										\$15,169.88	
Camelot Drive	???	24	1,500	4,000	N	\$10.25	\$2.40	\$41,000.00	\$9,600.00										\$12,864.92	
Carlson Lane	2004	22	480	1,173	N	\$10.25	\$2.40	\$12,026.67	\$2,816.00							\$3,422.87				
Circle Drive	???	28	350	1,089	N	\$10.25	\$2.40	\$11,161.11	\$2,613.33							\$3,176.52				
Deer Hill Run North	???	30	430	1,433	N	\$10.25	\$2.40	\$14,691.67	\$3,440.00										\$4,609.93	
Deer Hill Run South	???	30	830	2,767	N	\$10.25	\$2.40	\$28,358.33	\$6,640.00										\$8,898.24	
Manor Drive	2006	30	3,900	13,000	N	\$10.25	\$2.40	\$133,250.00	\$31,200.00										\$41,810.98	
Fieldstone Trail	???	30	5,440	18,133	N	\$10.25	\$2.40	\$185,866.67	\$43,520.00										\$58,320.96	
Marine Terrace	???	17	1,210	2,286	N	\$10.25	\$2.40	\$23,426.94	\$5,485.33							\$6,667.46				
Matthew Drive	???	28	720	2,240	N	\$10.25	\$2.40	\$22,960.00	\$5,376.00							\$6,534.56				
Mayfair Lane	???	22	700	1,711	N	\$10.25	\$2.40	\$17,538.89	\$4,106.67										\$5,503.33	
Meadowbrook Terrace	???	17	870	1,643	N	\$10.25	\$2.40	\$16,844.17	\$3,944.00							\$4,793.96				
Mountain Heights	2004	24	2,400	6,400	N	\$10.25	\$2.40	\$65,600.00	\$15,360.00							\$18,670.18				
Mountain View Terrace	2004	24	300	800	N	\$10.25	\$2.40	\$8,200.00	\$1,920.00							\$2,333.77				
Sandra lane	???	30	1,555	5,183	N	\$10.25	\$2.40	\$53,129.17	\$12,440.00										\$16,670.79	
Seneca Lake Road	???	25	350	972	N	\$10.25	\$2.40	\$9,965.28	\$2,333.33							\$2,836.18				
Stag pond Road	???	14	365	568	N	\$10.25	\$2.40	\$5,819.72	\$1,362.67										\$1,826.10	
Stone Hedge Lane	???	30	4,950	16,500	N	\$10.25	\$2.40	\$169,125.00	\$39,600.00										\$53,067.79	
Westshore Trail	???	24	335	893	N	\$10.25	\$2.40	\$9,156.67	\$2,144.00										\$2,873.17	
Total Paving Costs:										\$438,000.00	\$477,400.00	\$466,500.00	\$240,000.00	\$550,961.00	\$593,406.38	\$341,275.26	\$562,578.11	\$505,471.57	\$354,730.02	
Minus Grants:										-\$165,000.00	-\$200,000.00	-\$150,000.00	\$0.00	-\$200,000.00	-\$200,000.00	\$0.00	-\$150,000.00	-\$100,000.00	\$0.00	
Budget Amount:										\$273,000.00	\$277,400.00	\$316,500.00	\$240,000.00	\$350,961.00	\$393,406.38	\$341,275.26	\$412,578.11	\$405,471.57	\$354,730.02	

PAVING: \$438,000.00 \$432,500.00 \$380,000.00 \$140,000.00 \$380,000.00 \$449,413.08 \$0.00 \$220,966.88 \$147,526.66 \$136,535.64
OIL & STONE: \$44,900.00 \$86,500.00 \$100,000.00 \$170,961.00 \$143,993.31 \$341,275.26 \$341,611.22 \$357,944.91 \$218,194.37