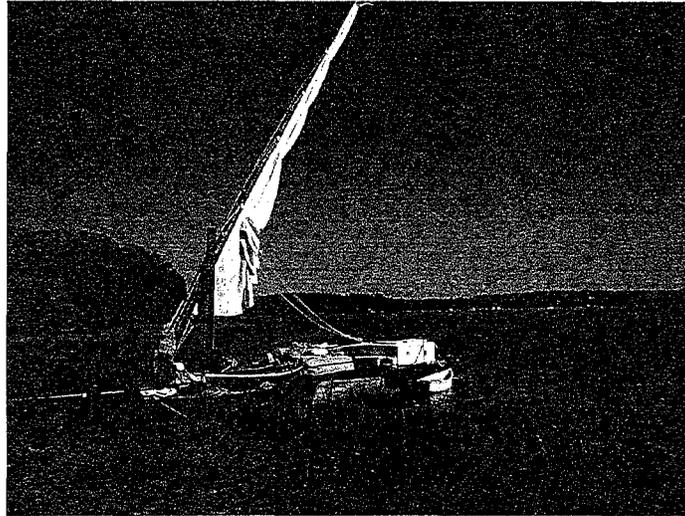


# ***TOWN OF DURHAM***



*The Captain Adams gundalow docked at Wagon Hill Farm  
Photo Courtesy of The Gundalow Company*

***APPROVED***

***2012 - 2021***

***CAPITAL IMPROVEMENTS PROGRAM***

***December 12, 2011***

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## 2012-2021 CAPITAL IMPROVEMENTS PROGRAM

| Description                                 | Rank | 2012      | Rank | 2013    | Rank | 2014    | Rank | 2015   | Rank | 2016      | Rank | 2017    | Rank | 2018   | Rank | 2019   | Rank      | 2020      | Rank | 2021   |
|---|------|-----------|------|---------|------|---------|------|--------|------|-----------|------|---------|------|--------|------|--------|-----------|-----------|------|--------|
| <b>Library Trustees</b>                     |      |           |      |         |      |         |      |        |      |           |      |         |      |        |      |        |           |           |      |        |
| New Library                                 | 1    | 3,450,000 | 1    | 350,000 |      |         |      |        |      |           |      |         |      |        |      |        |           |           |      |        |
| <b>LIBRARY TOTALS</b>                       |      | 3,450,000 |      | 350,000 |      | -       |      | -      |      | -         |      | -       |      | -      |      | -      |           | -         |      | -      |
| <b>Planning</b>                             |      |           |      |         |      |         |      |        |      |           |      |         |      |        |      |        |           |           |      |        |
| Wagon Hill Parking                          |      |           |      |         | 1    | 26,500  |      |        |      |           |      |         |      |        |      |        |           |           |      |        |
| Downtown Sidewalks                          |      |           |      |         |      |         |      |        |      |           | 1    | 630,000 |      |        |      |        |           |           |      |        |
| Technology Drive Infrastructure Improvement |      |           |      |         |      |         |      |        |      |           |      |         |      |        |      | 1      | 2,145,000 |           |      |        |
| <b>PLANNING TOTALS</b>                      |      | -         |      | -       |      | 26,500  |      | -      |      | -         |      | 630,000 |      | -      |      | -      |           | 2,145,000 |      | -      |
| <b>Police Department</b>                    |      |           |      |         |      |         |      |        |      |           |      |         |      |        |      |        |           |           |      |        |
| Vehicle Replacement (Purchase 2/Yr)         | 1    | 31,000    | 1    | 62,000  | 1    | 62,000  | 1    | 62,000 | 1    | 62,000    | 1    | 62,000  | 1    | 62,000 | 1    | 64,000 | 1         | 64,000    | 1    | 65,000 |
| Building Needs Assessment                   |      |           |      |         |      |         |      |        |      |           | 2    | 15,000  |      |        |      |        |           |           |      |        |
| <b>POLICE TOTALS</b>                        |      | 31,000    |      | 62,000  |      | 62,000  |      | 62,000 |      | 62,000    |      | 77,000  |      | 62,000 |      | 64,000 |           | 64,000    |      | 65,000 |
| <b>Fire Department</b>                      |      |           |      |         |      |         |      |        |      |           |      |         |      |        |      |        |           |           |      |        |
| Turnout Gear Replacement                    | 1    | 90,000    |      |         |      |         |      |        |      |           |      |         |      |        |      |        |           |           |      |        |
| New Fire Station                            |      |           | 1    | 857,000 |      |         |      |        | 1    | 7,500,000 |      |         |      |        |      |        |           |           |      |        |
| Asst. Chief Vehicle Replacement             |      |           | 2    | 50,000  |      |         |      |        |      |           |      |         |      |        |      |        |           |           | 2    | 47,000 |
| Upgrade to Web Based Software - FH          |      |           | 3    | 25,000  |      |         |      |        |      |           |      |         |      |        |      |        |           |           |      |        |
| Radio Upgrades                              |      |           | 4    | 40,000  |      |         |      |        | 3    | 15,000    |      |         |      |        |      |        | 1         | 250,000   |      |        |
| Water Rescue Vehicles                       |      |           | 5    | 28,000  |      |         |      |        |      |           |      |         |      |        |      |        |           |           |      |        |
| Engine 2 Replacement                        |      |           |      |         | 1    | 600,000 |      |        |      |           |      |         |      |        |      |        |           |           |      |        |
| Hurst Tool Replacement                      |      |           |      |         | 2    | 50,000  |      |        |      |           |      |         |      |        |      |        |           |           |      |        |
| Vehicle Air Bag Lifts Replacements          |      |           |      |         | 3    | 10,000  |      |        |      |           |      |         |      |        |      |        |           |           |      |        |

## 2012-2021 CAPITAL IMPROVEMENTS PROGRAM

| Description                        | Rank | 2012   | Rank | 2013      | Rank | 2014    | Rank | 2015    | Rank | 2016      | Rank | 2017    | Rank | 2018    | Rank | 2019 | Rank   | 2020    | Rank | 2021    |
|------------------------------------|------|--------|------|-----------|------|---------|------|---------|------|-----------|------|---------|------|---------|------|------|--------|---------|------|---------|
| Engine 1 Refurbishment             |      |        |      |           |      |         | 1    | 200,000 |      |           |      |         |      |         |      |      |        |         |      |         |
| Deputy Chief Vehicle Replacement   |      |        |      |           |      |         |      |         | 2    | 45,000    |      |         |      |         |      |      |        |         |      |         |
| Confined Space Trailer Replacement |      |        |      |           |      |         |      |         | 4    | 50,000    |      |         |      |         |      |      |        |         |      |         |
| Medic 1 Replacement                |      |        |      |           |      |         |      |         |      |           | 1    | 100,000 |      |         |      |      |        |         |      |         |
| Prevention Vehicle Replacement     |      |        |      |           |      |         |      |         |      |           | 2    | 35,000  |      |         |      |      |        |         |      |         |
| Forestry Unit Replacement          |      |        |      |           |      |         |      |         |      |           |      |         | 1    | 70,000  |      |      |        |         |      |         |
| Fire Chief Vehicle Replacement     |      |        |      |           |      |         |      |         |      |           |      |         | 2    | 50,000  |      |      |        |         |      |         |
| Defibrillator Replacement          |      |        |      |           |      |         |      |         |      |           |      |         |      |         |      | 2    | 40,000 |         |      |         |
| Tanker 1 Replacement               |      |        |      |           |      |         |      |         |      |           |      |         |      |         |      |      |        |         | 1    | 150,000 |
| <b>FIRE TOTALS</b>                 |      | 90,000 |      | 1,000,000 |      | 660,000 |      | 200,000 |      | 7,610,000 |      | 135,000 |      | 120,000 |      | -    |        | 290,000 |      | 197,000 |

### *Public Works - Operations Division*

|  |    |         |   |         |   |         |   |         |   |         |   |         |   |         |         |         |   |         |   |         |
|--|----|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---------|---------|---|---------|---|---------|
| Road Resurfacing                               | 1  | 455,487 | 1 | 458,153 | 1 | 375,516 | 1 | 415,453 | 1 | 425,647 | 1 | 365,017 | 1 | 425,402 | 1       | 488,457 | 1 | 326,672 | 1 | 427,034 |
| Roadway Sweeper Replacement                    | 2  | 175,000 |   |         |   |         |   |         |   |         |   |         |   |         |         |         |   |         |   |         |
| Dump Truck Replacement                         | 3  | 165,000 | 2 | 168,000 | 2 | 171,000 | 2 | 174,000 | 2 | 177,000 |   |         |   | 2       | 186,000 |         |   |         |   |         |
| Petee Brook Lane Corridor - Phase II           | 4  | 75,000  |   |         |   |         |   |         |   |         |   |         |   |         |         |         |   |         |   |         |
| Sidewalk Snow Tractor Replacement              | 5  | 55,960  |   |         |   |         |   |         |   |         |   |         |   |         |         |         |   |         |   |         |
| Downtown Parking Lot Paving                    | 6  | 34,550  |   |         |   |         |   |         |   |         |   |         |   |         |         |         |   |         |   |         |
| Edgewood Road Sidewalk Replacement             | 7  | 28,890  |   |         |   |         |   |         |   |         |   |         |   |         |         |         |   |         |   |         |
| Main Street Railroad Bridge Rehab              | 8  | 19,500  |   |         |   |         |   |         |   |         |   |         |   |         |         |         |   |         |   |         |
| Bennett Road Culvert                           | 9  | 800,000 |   |         |   |         |   |         |   |         |   |         |   |         |         |         |   |         |   |         |
| Longmarsh Road Culvert Engineering/Replacement | 10 | 51,000  | 8 | 765,000 |   |         |   |         |   |         |   |         |   |         |         |         |   |         |   |         |
| Crommets Creek Bridge Repair                   | 11 | 49,000  | 3 | 359,000 |   |         |   |         |   |         |   |         |   |         |         |         |   |         |   |         |
| Culvert & Outfalls Improvements Program        | 12 | 118,000 | 6 | 92,220  | 3 | 139,060 | 3 | 149,515 | 3 | 92,696  | 2 | 95,877  | 2 | 92,355  | 3       | 89,114  | 2 | 97,207  |   |         |
| Stormwater Management System Improvements      | 13 | 58,934  | 7 | 60,000  | 4 | 57,400  | 4 | 56,343  | 4 | 59,656  | 3 | 55,223  | 3 | 58,120  | 4       | 57,060  | 3 | 10,000  |   |         |
| Coe Drive Sidewalk                             |    |         | 4 | 60,800  |   |         |   |         |   |         |   |         |   |         |         |         |   |         |   |         |
| One-Half Ton Pickup Truck Replacement          |    |         | 5 | 18,500  |   |         |   |         |   |         |   |         |   |         |         |         |   |         |   |         |

## 2012-2021 CAPITAL IMPROVEMENTS PROGRAM

| Description   | Rank | 2012        | Rank | 2013         | Rank | 2014        | Rank | 2015        | Rank | 2016         | Rank | 2017        | Rank | 2018      | Rank | 2019      | Rank | 2020          | Rank | 2021      |
|---|------|-------------|------|--------------|------|-------------|------|-------------|------|--------------|------|-------------|------|-----------|------|-----------|------|---------------|------|-----------|
| <b>PW - OPERATIONS TOTALS</b>                         |      | 2,086,321   |      | 1,981,673    |      | 742,976     |      | 795,311     |      | 754,999      |      | 516,117     |      | 575,877   |      | 820,631   |      | 433,879       |      | 427,034   |
| <b>Public Works- Buildings &amp; Grounds Division</b> |      |             |      |              |      |             |      |             |      |              |      |             |      |           |      |           |      |               |      |           |
| Police Department Handicap Entrance                   | 1    | 32,000      |      |              |      |             |      |             |      |              |      |             |      |           |      |           |      |               |      |           |
| 3/4 Ton Pickup Truck Replacement                      | 2    | 26,775      |      |              |      |             |      |             |      |              |      |             |      |           |      |           |      |               |      |           |
| Old Landing Park Improvements                         |      |             |      |              | 1    | 86,474      |      |             |      |              |      |             |      |           |      |           |      |               |      |           |
| One-Half Ton Pickup Truck Replacement                 |      |             |      |              |      |             | 1    | 13,800      |      |              |      |             |      |           |      |           |      |               |      |           |
| One Ton Dump Truck Replacement                        |      |             |      |              |      |             |      |             | 1    | 46,000       |      |             |      |           |      |           |      |               |      |           |
| <b>PW - BLDGS &amp; GRDS TOTALS</b>                   |      | 58,775      |      | -            |      | 86,474      |      | 13,800      |      | 46,000       |      | -           |      | -         |      | -         |      | -             |      | -         |
| <b>Public Works - Sanitation Division</b>             |      |             |      |              |      |             |      |             |      |              |      |             |      |           |      |           |      |               |      |           |
| Refuse Collection Vehicle Replacement                 |      |             |      |              | 1    | 225,000     |      |             |      |              |      |             |      |           |      |           |      |               |      |           |
| Recycling Collection Vehicle Replacement              |      |             |      |              |      |             | 1    | 104,000     |      |              |      |             |      |           |      |           |      |               |      |           |
| <b>PW - SANITATION TOTALS</b>                         |      | -           |      | -            |      | 225,000     |      | 104,000     |      | -            |      | -           |      | -         |      | -         |      | -             |      | -         |
| <b>PUBLIC WORKS TOTALS</b>                            |      | 2,145,096   |      | 1,981,673    |      | 1,054,450   |      | 913,111     |      | 800,999      |      | 516,117     |      | 575,877   |      | 820,631   |      | 433,879       |      | 427,034   |
| <b>TOTAL GENERAL FUND</b>                             |      | \$5,716,096 |      | \$3,393,673  |      | \$1,802,950 |      | \$1,175,111 |      | \$8,472,999  |      | \$1,358,117 |      | \$757,877 |      | \$884,631 |      | \$2,932,879   |      | \$689,034 |
| Totals less projects identified below                 |      | \$2,266,096 |      | \$2,536,673  |      | \$1,802,950 |      | \$1,175,111 |      | \$972,999    |      | \$1,358,117 |      | \$757,877 |      | \$884,631 |      | \$787,879     |      | \$689,034 |
|   |      | Library     |      | Fire Station |      |             |      |             |      | Fire Station |      |             |      |           |      |           |      | Technology Dr |      |           |

## 2012-2021 CAPITAL IMPROVEMENTS PROGRAM

| Description   | Rank | 2012               | Rank | 2013               | Rank | 2014                | Rank | 2015               | Rank | 2016       | Rank | 2017            | Rank   | 2018            | Rank   | 2019            | Rank | 2020       | Rank | 2021       |
|---|------|--------------------|------|--------------------|------|---------------------|------|--------------------|------|------------|------|-----------------|--------|-----------------|--------|-----------------|------|------------|------|------------|
| <b>Water Fund</b>   |      |                    |      |                    |      |                     |      |                    |      |            |      |                 |        |                 |        |                 |      |            |      |            |
| One Ton Utility Truck Replacement                                       | 1    | 37,500             |      |                    |      |                     |      |                    |      |            |      |                 |        |                 |        |                 |      |            |      |            |
| Water Meter Upgrade   | 2    | 417,612            |      |                    |      |                     |      |                    |      |            |      |                 |        |                 |        |                 |      |            |      |            |
| Beech Hill & Foss Farm Water Tank Reconditioning                        |      |                    | 1    | 750,000            |      |                     |      |                    |      |            |      |                 |        |                 |        |                 |      |            |      |            |
| Spruce Hole Well Development  |      |                    |      |                    |      |                     | 1    | 1,415,000          |      |            |      |                 |        |                 |        |                 |      |            |      |            |
| <b>TOTAL WATER FUND</b>   |      | <b>\$455,112</b>   |      | <b>\$750,000</b>   |      | <b>\$0</b>          |      | <b>\$1,415,000</b> |      | <b>\$0</b> |      | <b>\$0</b>      |        | <b>\$0</b>      |        | <b>\$0</b>      |      | <b>\$0</b> |      | <b>\$0</b> |
| Totals less projects identified below                                   |      | \$455,112          |      | \$750,000          |      | \$0                 |      | \$0                |      | \$0        |      | \$0             |        | \$0             |        | \$0             |      | \$0        |      | \$0        |
|   |      |                    |      |                    |      |                     |      | Spruce Hole        |      |            |      |                 |        |                 |        |                 |      |            |      |            |
| <b>Wastewater Fund</b>  |      |                    |      |                    |      |                     |      |                    |      |            |      |                 |        |                 |        |                 |      |            |      |            |
| WWTP Phase III  | 1    | 1,500,000          |      |                    | 1    | 10,000,000          |      |                    |      |            |      |                 |        |                 |        |                 |      |            |      |            |
| College Brook Interceptor Repair  |      |                    | 1    | 450,000            |      |                     |      |                    |      |            |      |                 |        |                 |        |                 |      |            |      |            |
| Sludge Dewatering Equipment Replacement                                 |      |                    | 2    | 2,500,000          |      |                     |      |                    |      |            |      |                 |        |                 |        |                 |      |            |      |            |
| Commercial Lawnmower Replacement  |      |                    | 3    | 10,500             |      |                     |      |                    |      |            |      |                 |        |                 |        |                 |      |            |      |            |
| Major Components Replacement  |      |                    | 4    | 60,000             | 3    | 60,000              |      |                    |      |            |      |                 |        |                 |        |                 |      |            |      |            |
| Collection System Upgrades  |      |                    | 5    | 520,000            | 4    | 50,000              |      |                    |      |            |      |                 |        |                 |        |                 |      |            |      |            |
| Diesel Generator Replacement  |      |                    |      |                    | 2    | 125,000             |      |                    |      |            |      |                 |        |                 |        |                 |      |            |      |            |
| 18" Force Main Replacement  |      |                    |      |                    | 5    | 2,200,000           |      |                    |      |            |      |                 |        |                 |        |                 |      |            |      |            |
| 3/4 Ton Pickup Truck Replacement  |      |                    |      |                    |      |                     |      |                    |      |            |      | 1               | 31,900 | 1               | 32,900 |                 |      |            |      |            |
| <b>TOTAL WASTEWATER FUND</b>  |      | <b>\$1,500,000</b> |      | <b>\$3,540,500</b> |      | <b>\$12,435,000</b> |      | <b>\$0</b>         |      | <b>\$0</b> |      | <b>\$0</b>      |        | <b>\$31,900</b> |        | <b>\$32,900</b> |      | <b>\$0</b> |      | <b>\$0</b> |
| Totals less projects identified below                                   |      | \$1,500,000        |      | \$1,040,500        |      | \$235,000           |      | \$0                |      | \$0        |      | \$0             |        | \$31,900        |        | \$32,900        |      | \$0        |      | \$0        |
|   |      |                    |      | Sludge Equip       |      | Phase III           |      |                    |      |            |      |                 |        |                 |        |                 |      |            |      |            |
|   |      |                    |      |                    |      | Force Main          |      |                    |      |            |      |                 |        |                 |        |                 |      |            |      |            |
| <b>TIF DISTRICT</b>   |      |                    |      |                    |      |                     |      |                    |      |            |      |                 |        |                 |        |                 |      |            |      |            |
| Phase III - Infrastructure Improvements (Trail to Durham Business Park) |      |                    |      |                    |      |                     |      |                    |      |            |      | 1               | 79,030 |                 |        |                 |      |            |      |            |
| <b>TOTAL TIF DISTRICT</b>   |      | <b>\$0</b>         |      | <b>\$0</b>         |      | <b>\$0</b>          |      | <b>\$0</b>         |      | <b>\$0</b> |      | <b>\$79,030</b> |        | <b>\$0</b>      |        | <b>\$0</b>      |      | <b>\$0</b> |      | <b>\$0</b> |

## 2012-2021 CAPITAL IMPROVEMENTS PROGRAM

| Description            | Rank | 2012        | Rank | 2013        | Rank | 2014         | Rank | 2015        | Rank | 2016        | Rank | 2017        | Rank | 2018      | Rank | 2019      | Rank | 2020        | Rank | 2021      |
|------------------------|------|-------------|------|-------------|------|--------------|------|-------------|------|-------------|------|-------------|------|-----------|------|-----------|------|-------------|------|-----------|
| <b>TOTAL ALL FUNDS</b> |      | \$7,671,208 |      | \$7,884,173 |      | \$14,237,950 |      | \$2,590,111 |      | \$8,472,999 |      | \$1,437,147 |      | \$789,777 |      | \$917,531 |      | \$2,932,879 |      | \$689,034 |

|                                       |  |             |  |                                  |  |                            |  |             |  |              |  |             |  |           |  |           |  |                  |  |           |
|---------------------------------------|--|-------------|--|----------------------------------|--|----------------------------|--|-------------|--|--------------|--|-------------|--|-----------|--|-----------|--|------------------|--|-----------|
| Totals less projects identified below |  | \$4,221,208 |  | \$4,327,173                      |  | \$2,037,950                |  | \$1,175,111 |  | \$972,999    |  | \$1,437,147 |  | \$789,777 |  | \$917,531 |  | \$787,879        |  | \$689,034 |
|                                       |  | Library     |  | Fire Station<br>Sludge Equipment |  | WW Phase III<br>Force Main |  | Spruce Hole |  | Fire Station |  |             |  |           |  |           |  | Technology Drive |  |           |

**2012 CAPITAL IMPROVEMENT PROGRAM**

| Description                               | Operating Budget | Town Bond Amt    | UNH Bond Amt     | UNH      | State & Federal | Capital Reserve | Trade & Other  | Total            |
|---|------------------|------------------|------------------|----------|-----------------|-----------------|----------------|------------------|
| <b><u>General Fund</u></b>                |                  |                  |                  |          |                 |                 |                |                  |
| Library Trustees                          |                  |                  |                  |          |                 |                 |                |                  |
| New Library                               |                  | 2,700,000        |                  |          |                 |                 | 750,000        | 3,450,000        |
| Police Department                         |                  |                  |                  |          |                 |                 |                |                  |
| Vehicle Replacement                       | 31,000           |                  |                  |          |                 |                 |                | 31,000           |
| Fire Department                           |                  |                  |                  |          |                 |                 |                |                  |
| Turnout Gear                              |                  |                  |                  |          |                 | 90,000          |                | 90,000           |
| Public Works                              |                  |                  |                  |          |                 |                 |                |                  |
| Operations Division                       |                  |                  |                  |          |                 |                 |                |                  |
| Road Resurfacing                          | 50,000           | 405,487          |                  |          |                 |                 |                | 455,487          |
| Roadway Sweeper                           |                  | 170,000          |                  |          |                 |                 | 5,000          | 175,000          |
| Dump Trucks 33,400 GVW                    |                  | 158,000          |                  |          |                 |                 | 7,000          | 165,000          |
| Pettee Brook Lane Corridor - Phase II     |                  | 75,000           |                  |          |                 |                 |                | 75,000           |
| Sidewalk Plow Tractor                     |                  | 55,960           |                  |          |                 |                 |                | 55,960           |
| Downtown Parking Lot Paving               |                  |                  |                  |          |                 |                 | 34,550         | 34,550           |
| Edgewood Road Sidewalk                    | 28,890           |                  |                  |          |                 |                 |                | 28,890           |
| Main Street Railroad Bridge               | 19,500           |                  |                  |          |                 |                 |                | 19,500           |
| Bennett Road Culvert                      |                  | 160,000          |                  |          | 640,000         |                 |                | 800,000          |
| Longmarsh Road Culvert Engineering        |                  | 12,750           |                  |          | 38,250          |                 |                | 51,000           |
| Crommets Creek Bridge Repair              |                  | 49,000           |                  |          |                 |                 |                | 49,000           |
| Culvert and Outfall Improvements Program  | 118,000          |                  |                  |          |                 |                 |                | 118,000          |
| Stormwater Management System Improvements | 58,934           |                  |                  |          |                 |                 |                | 58,934           |
| Public Works                              |                  |                  |                  |          |                 |                 |                |                  |
| Buildings and Grounds Division            |                  |                  |                  |          |                 |                 |                |                  |
| Police Station Handicap Entrance Ramp     |                  | 32,000           |                  |          |                 |                 |                | 32,000           |
| 3/4 Ton Pickup Truck Replacement          | 25,575           |                  |                  |          |                 |                 | 1,200          | 26,775           |
| <b>Total General Fund</b>                 | <b>331,899</b>   | <b>3,818,197</b> | <b>0</b>         | <b>0</b> | <b>678,250</b>  | <b>90,000</b>   | <b>797,750</b> | <b>5,716,096</b> |
| <b><u>Water Fund</u></b>                  |                  |                  |                  |          |                 |                 |                |                  |
| 1 Ton Utility Truck                       | 33,000           |                  |                  |          |                 |                 | 4,500          | 37,500           |
| Water Meter Upgrades                      |                  | 334,090          |                  |          | 83,522          |                 |                | 417,612          |
| <b>Total Water Fund</b>                   | <b>33,000</b>    | <b>334,090</b>   | <b>0</b>         | <b>0</b> | <b>83,522</b>   | <b>0</b>        | <b>4,500</b>   | <b>455,112</b>   |
| <b><u>Wastewater Fund</u></b>             |                  |                  |                  |          |                 |                 |                |                  |
| WWTP Phase III                            |                  | 500,000          | 1,000,000        |          |                 |                 |                | 1,500,000        |
| <b>Total Wastewater Fund</b>              | <b>0</b>         | <b>500,000</b>   | <b>1,000,000</b> | <b>0</b> | <b>0</b>        | <b>0</b>        | <b>0</b>       | <b>1,500,000</b> |
| <b>Total All Projects</b>                 | <b>364,899</b>   | <b>4,652,287</b> | <b>1,000,000</b> | <b>0</b> | <b>761,772</b>  | <b>90,000</b>   | <b>802,250</b> | <b>7,671,208</b> |

**2013 CAPITAL IMPROVEMENT PROGRAM**

| Description                                | Operating Budget | Town Bond Amt    | UNH Bond Amt     | UNH           | State & Federal | Capital Reserve | Trade & Other  | Total            |
|--|------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|------------------|
| <b><u>General Fund</u></b>                 |                  |                  |                  |               |                 |                 |                |                  |
| Library Trustees                           |                  |                  |                  |               |                 |                 |                |                  |
| New Library                                |                  |                  |                  |               |                 |                 | 350,000        | 350,000          |
| Police Department                          |                  |                  |                  |               |                 |                 |                |                  |
| Vehicle Replacement                        | 62,000           |                  |                  |               |                 |                 |                | 62,000           |
| Fire Department                            |                  |                  |                  |               |                 |                 |                |                  |
| New Fire Station                           |                  | 428,500          | 428,500          |               |                 |                 |                | 857,000          |
| Assistant Chief Vehicle Replacement        |                  |                  |                  |               |                 | 50,000          |                | 50,000           |
| Upgrade to Web Based Software - Fire House |                  |                  |                  |               |                 | 25,000          |                | 25,000           |
| Radio Upgrades                             |                  |                  |                  |               |                 | 40,000          |                | 40,000           |
| Water Rescue Vehicles                      |                  |                  |                  |               |                 | 28,000          |                | 28,000           |
| Public Works                               |                  |                  |                  |               |                 |                 |                |                  |
| Operations Division                        |                  |                  |                  |               |                 |                 |                |                  |
| Road Resurfacing                           |                  | 458,153          |                  |               |                 |                 |                | 458,153          |
| Dump Truck 33,400 GVW                      |                  | 161,000          |                  |               |                 |                 | 7,000          | 168,000          |
| Longmarsh Road Culvert                     |                  | 153,000          |                  |               | 612,000         |                 |                | 765,000          |
| Crommets Creek Bridge Repair               |                  | 359,000          |                  |               |                 |                 |                | 359,000          |
| Coe Drive Sidewalk Repair                  | 60,800           |                  |                  |               |                 |                 |                | 60,800           |
| One-Half Ton Pickup Truck Replacement      | 17,500           |                  |                  |               |                 |                 | 1,000          | 18,500           |
| Culvert & Outfalls Improvement Program     | 92,220           |                  |                  |               |                 |                 |                | 92,220           |
| Stormwater Management System Improvements  | 60,000           |                  |                  |               |                 |                 |                | 60,000           |
| <b>Total General Fund</b>                  | <b>292,520</b>   | <b>1,559,653</b> | <b>428,500</b>   | <b>0</b>      | <b>612,000</b>  | <b>143,000</b>  | <b>358,000</b> | <b>3,393,673</b> |
| <b><u>Water Fund</u></b>                   |                  |                  |                  |               |                 |                 |                |                  |
| Beech Hill & Foss Farm Water Tank Painting |                  | 250,000          | 500,000          |               |                 |                 |                | 750,000          |
| <b>Total Water Fund</b>                    | <b>0</b>         | <b>250,000</b>   | <b>500,000</b>   | <b>0</b>      | <b>0</b>        | <b>0</b>        | <b>0</b>       | <b>750,000</b>   |
| <b><u>Wastewater Fund</u></b>              |                  |                  |                  |               |                 |                 |                |                  |
| College Brook Interceptor                  |                  | 150,000          | 300,000          |               |                 |                 |                | 450,000          |
| Sludge Dewatering Equip.                   |                  | 833,333          | 1,666,667        |               |                 |                 |                | 2,500,000        |
| Commercial Lawnmower Replacement           | 3,500            |                  |                  | 7,000         |                 |                 |                | 10,500           |
| Major Components                           | 20,000           |                  |                  | 40,000        |                 |                 |                | 60,000           |
| Collection System Upgrades                 |                  | 520,000          |                  |               |                 |                 |                | 520,000          |
| <b>Total Wastewater Fund</b>               | <b>23,500</b>    | <b>1,503,333</b> | <b>1,966,667</b> | <b>47,000</b> | <b>0</b>        | <b>0</b>        | <b>0</b>       | <b>3,540,500</b> |
| <b>Total All Projects</b>                  | <b>316,020</b>   | <b>3,312,986</b> | <b>2,895,167</b> | <b>47,000</b> | <b>612,000</b>  | <b>143,000</b>  | <b>358,000</b> | <b>7,684,173</b> |

**2014 CAPITAL IMPROVEMENT PROGRAM**

| Description                               | Operating Budget | Town Bond Amt    | UNH Bond Amt     | UNH           | State & Federal | Capital Reserve | Trade & Other | Total             |
|---|------------------|------------------|------------------|---------------|-----------------|-----------------|---------------|-------------------|
| <b><u>General Fund</u></b>                |                  |                  |                  |               |                 |                 |               |                   |
| Planning                                  |                  |                  |                  |               |                 |                 |               |                   |
| Wagon Hill Parking                        | 26,500           |                  |                  |               |                 |                 |               | 26,500            |
| Police Department                         |                  |                  |                  |               |                 |                 |               |                   |
| Vehicle Replacement                       | 62,000           |                  |                  |               |                 |                 |               | 62,000            |
| Fire Department                           |                  |                  |                  |               |                 |                 |               |                   |
| Engine 2 Replacement                      |                  | 300,000          | 300,000          |               |                 |                 |               | 600,000           |
| Hurst Tool Replacement                    |                  |                  |                  |               |                 | 50,000          |               | 50,000            |
| Vehicle Air Bag Lifts Replacement         |                  |                  |                  |               |                 | 10,000          |               | 10,000            |
| Public Works                              |                  |                  |                  |               |                 |                 |               |                   |
| Operations Division                       |                  |                  |                  |               |                 |                 |               |                   |
| Road Resurfacing                          | 375,516          |                  |                  |               |                 |                 |               | 375,516           |
| Dump Truck 33,400 GVW                     |                  | 164,000          |                  |               |                 |                 | 7,000         | 171,000           |
| Culvert & Outfalls Improvement Program    | 139,060          |                  |                  |               |                 |                 |               | 139,060           |
| Stormwater Management System Improvements | 57,400           |                  |                  |               |                 |                 |               | 57,400            |
| Buildings and Grounds Division            |                  |                  |                  |               |                 |                 |               |                   |
| Old Landing Park Improvements             |                  | 86,474           |                  |               |                 |                 |               | 86,474            |
| Sanitation Division                       |                  |                  |                  |               |                 |                 |               |                   |
| Refuse Collection Vehicle                 |                  | 225,000          |                  |               |                 |                 |               | 225,000           |
| <b>Total General Fund</b>                 | <b>660,476</b>   | <b>775,474</b>   | <b>300,000</b>   | <b>0</b>      | <b>0</b>        | <b>60,000</b>   | <b>7,000</b>  | <b>1,802,950</b>  |
| <b><u>Water Fund</u></b>                  |                  |                  |                  |               |                 |                 |               |                   |
| <b>Total Water Fund</b>                   | <b>0</b>         | <b>0</b>         | <b>0</b>         | <b>0</b>      | <b>0</b>        | <b>0</b>        | <b>0</b>      | <b>0</b>          |
| <b><u>Wastewater Fund</u></b>             |                  |                  |                  |               |                 |                 |               |                   |
| WWTP Phase III                            |                  | 3,333,333        | 6,666,667        |               |                 |                 |               | 10,000,000        |
| Major Components Replacement              | 20,000           |                  |                  | 40,000        |                 |                 |               | 60,000            |
| Collection System Upgrades                | 50,000           |                  |                  |               |                 |                 |               | 50,000            |
| 18" Force Main Replacement                |                  | 733,333          | 1,466,667        |               |                 |                 |               | 2,200,000         |
| Diesel Generator Replacement              |                  | 41,666           | 83,334           |               |                 |                 |               | 125,000           |
| <b>Total Wastewater Fund</b>              | <b>70,000</b>    | <b>4,108,332</b> | <b>8,216,668</b> | <b>40,000</b> | <b>0</b>        | <b>0</b>        | <b>0</b>      | <b>12,435,000</b> |
| <b>Total All Projects</b>                 | <b>730,476</b>   | <b>4,883,806</b> | <b>8,516,668</b> | <b>40,000</b> | <b>0</b>        | <b>60,000</b>   | <b>7,000</b>  | <b>14,237,950</b> |

**2015 CAPITAL IMPROVEMENT PROGRAM**

| Description                               | Operating Budget | Town Bond Amt  | UNH Bond Amt   | UNH      | State & Federal | Capital Reserve | Trade & Other | Total            |
|---|------------------|----------------|----------------|----------|-----------------|-----------------|---------------|------------------|
| <b><u>General Fund</u></b>                |                  |                |                |          |                 |                 |               |                  |
| Police Department                         |                  |                |                |          |                 |                 |               |                  |
| Vehicle Replacement                       | 62,000           |                |                |          |                 |                 |               | 62,000           |
| Fire Department                           |                  |                |                |          |                 |                 |               |                  |
| Engine 1 Refurbishment                    |                  |                |                |          |                 | 200,000         |               | 200,000          |
| Public Works                              |                  |                |                |          |                 |                 |               |                  |
| Operations Division                       |                  |                |                |          |                 |                 |               |                  |
| Road Resurfacing                          | 415,453          |                |                |          |                 |                 |               | 415,453          |
| Dump Truck 33,400 GVW                     |                  | 167,000        |                |          |                 |                 | 7,000         | 174,000          |
| Culvert & Outfalls Improvement Program    | 149,515          |                |                |          |                 |                 |               | 149,515          |
| Stormwater Management System Improvements | 56,343           |                |                |          |                 |                 |               | 56,343           |
| Buildings & Grounds Division              |                  |                |                |          |                 |                 |               |                  |
| Replace 1/2 Ton Pickup Truck              | 13,300           |                |                |          |                 |                 | 500           | 13,800           |
| Sanitation Division                       |                  |                |                |          |                 |                 |               |                  |
| Recycling Collection Vehicle              |                  | 101,000        |                |          |                 |                 | 3,000         | 104,000          |
| <b>Total General Fund</b>                 | <b>696,611</b>   | <b>268,000</b> | <b>0</b>       | <b>0</b> | <b>0</b>        | <b>200,000</b>  | <b>10,500</b> | <b>1,175,111</b> |
| <b><u>Water Fund</u></b>                  |                  |                |                |          |                 |                 |               |                  |
| Spruce Hole Well Development              |                  | 471,662        | 943,338        |          |                 |                 |               | 1,415,000        |
| <b>Total Water Fund</b>                   | <b>0</b>         | <b>471,662</b> | <b>943,338</b> | <b>0</b> | <b>0</b>        | <b>0</b>        | <b>0</b>      | <b>1,415,000</b> |
| <b><u>Wastewater Fund</u></b>             |                  |                |                |          |                 |                 |               |                  |
| <b>Total Wastewater Fund</b>              | <b>0</b>         | <b>0</b>       | <b>0</b>       | <b>0</b> | <b>0</b>        | <b>0</b>        | <b>0</b>      | <b>0</b>         |
| <b>Total All Projects</b>                 | <b>696,611</b>   | <b>739,662</b> | <b>943,338</b> | <b>0</b> | <b>0</b>        | <b>200,000</b>  | <b>10,500</b> | <b>2,590,111</b> |

**2016 CAPITAL IMPROVEMENTS PROGRAM**

| Description                               | Operating Budget | Town Bond Amt  | UNH Bond Amt     | UNH              | State & Federal | Capital Reserve | Trade & Other | Total            |
|---|------------------|----------------|------------------|------------------|-----------------|-----------------|---------------|------------------|
| <b><u>General Fund</u></b>                |                  |                |                  |                  |                 |                 |               |                  |
| Police Department                         |                  |                |                  |                  |                 |                 |               |                  |
| Vehicle Replacement                       | 62,000           |                |                  |                  |                 |                 |               | 62,000           |
| Fire Department                           |                  |                |                  |                  |                 |                 |               |                  |
| New Fire Station                          |                  |                | 3,750,000        | 3,750,000        |                 |                 |               | 7,500,000        |
| Deputy Fire Chief Vehicle Replacement     |                  |                |                  |                  |                 | 45,000          |               | 45,000           |
| Radio Upgrades                            |                  |                |                  |                  |                 | 15,000          |               | 15,000           |
| Confined Space Trailer Refurbishing       |                  |                |                  |                  |                 | 50,000          |               | 50,000           |
| Public Works                              |                  |                |                  |                  |                 |                 |               |                  |
| Operations Division                       |                  |                |                  |                  |                 |                 |               |                  |
| Road Resurfacing                          | 425,647          |                |                  |                  |                 |                 |               | 425,647          |
| Dump Truck Replacement                    |                  | 170,000        |                  |                  |                 |                 | 7,000         | 177,000          |
| Culvert & Outfalls Improvement Program    | 92,696           |                |                  |                  |                 |                 |               | 92,696           |
| Stormwater Management System Improvements | 59,656           |                |                  |                  |                 |                 |               | 59,656           |
| Buildings & Grounds Division              |                  |                |                  |                  |                 |                 |               |                  |
| 1 Ton Dump Truck                          |                  | 40,000         |                  |                  |                 |                 | 6,000         | 46,000           |
| <b>Total General Fund</b>                 | <b>639,999</b>   | <b>210,000</b> | <b>3,750,000</b> | <b>3,750,000</b> | <b>0</b>        | <b>110,000</b>  | <b>13,000</b> | <b>8,472,999</b> |
| <b><u>Water Fund</u></b>                  |                  |                |                  |                  |                 |                 |               |                  |
| <b>Total Water Fund</b>                   | <b>0</b>         | <b>0</b>       | <b>0</b>         | <b>0</b>         | <b>0</b>        | <b>0</b>        | <b>0</b>      | <b>0</b>         |
| <b><u>Wastewater Fund</u></b>             |                  |                |                  |                  |                 |                 |               |                  |
| <b>Total Wastewater Fund</b>              | <b>0</b>         | <b>0</b>       | <b>0</b>         | <b>0</b>         | <b>0</b>        | <b>0</b>        | <b>0</b>      | <b>0</b>         |
| <b>Total All Projects</b>                 | <b>639,999</b>   | <b>210,000</b> | <b>3,750,000</b> | <b>3,750,000</b> | <b>0</b>        | <b>110,000</b>  | <b>13,000</b> | <b>8,472,999</b> |

**2017 CAPITAL IMPROVEMENT PROGRAM**

| Description                               | Operating Budget | Town Bond Amt | UNH Bond Amt | UNH           | State & Federal | Capital Reserve | Trade & Other | Total            |
|---|------------------|---------------|--------------|---------------|-----------------|-----------------|---------------|------------------|
| <b><u>General Fund</u></b>                |                  |               |              |               |                 |                 |               |                  |
| Planning                                  |                  |               |              |               |                 |                 |               |                  |
| Downtown Sidewalks                        | 63,000           |               |              | 63,000        | 504,000         |                 |               | 630,000          |
| Police Department                         |                  |               |              |               |                 |                 |               |                  |
| Vehicle Replacement                       | 62,000           |               |              |               |                 |                 |               | 62,000           |
| Building Needs Assessment                 | 15,000           |               |              |               |                 |                 |               | 15,000           |
| Fire Department                           |                  |               |              |               |                 |                 |               |                  |
| Prevention Vehicle Replacement            |                  |               |              |               |                 | 35,000          |               | 35,000           |
| Medic 1 Replacement                       |                  |               |              |               |                 | 100,000         |               | 100,000          |
| Public Works                              |                  |               |              |               |                 |                 |               |                  |
| Operations Division                       |                  |               |              |               |                 |                 |               |                  |
| Road Resurfacing                          | 365,017          |               |              |               |                 |                 |               | 365,017          |
| Culvert & Outfalls Improvement Program    | 95,877           |               |              |               |                 |                 |               | 95,877           |
| Stormwater Management System Improvements | 55,223           |               |              |               |                 |                 |               | 55,223           |
| <b>Total General Fund</b>                 | <b>656,117</b>   | <b>0</b>      | <b>0</b>     | <b>63,000</b> | <b>504,000</b>  | <b>135,000</b>  | <b>0</b>      | <b>1,358,117</b> |
| <b><u>Water Fund</u></b>                  |                  |               |              |               |                 |                 |               |                  |
| <b>Total Water Fund</b>                   | <b>0</b>         | <b>0</b>      | <b>0</b>     | <b>0</b>      | <b>0</b>        | <b>0</b>        | <b>0</b>      | <b>0</b>         |
| <b><u>Wastewater Fund</u></b>             |                  |               |              |               |                 |                 |               |                  |
| <b>Total Wastewater Fund</b>              | <b>0</b>         | <b>0</b>      | <b>0</b>     | <b>0</b>      | <b>0</b>        | <b>0</b>        | <b>0</b>      | <b>0</b>         |
| <b><u>TIF DISTRICT</u></b>                |                  |               |              |               |                 |                 |               |                  |
| Phase III - Infrastructure                |                  |               |              |               |                 |                 | 79,030        | 79,030           |
| <b>Total TIF District</b>                 | <b>0</b>         | <b>0</b>      | <b>0</b>     | <b>0</b>      | <b>0</b>        | <b>0</b>        | <b>79,030</b> | <b>79,030</b>    |
| <b>Total All Projects</b>                 | <b>656,117</b>   | <b>0</b>      | <b>0</b>     | <b>63,000</b> | <b>504,000</b>  | <b>135,000</b>  | <b>79,030</b> | <b>1,437,147</b> |

**2018 CAPITAL IMPROVEMENT PROGRAM**

| Description  | Operating Budget            | Town Bond Amt | UNH Bond Amt | UNH           | State & Federal | Capital Reserve  | Trade & Other | Total                       |
|--|-----------------------------|---------------|--------------|---------------|-----------------|------------------|---------------|-----------------------------|
| <b><u>General Fund</u></b>   |                             |               |              |               |                 |                  |               |                             |
| Planning   |                             |               |              |               |                 |                  |               | 0                           |
| Police Department<br>Vehicle Replacement   | 62,000                      |               |              |               |                 |                  |               | 62,000                      |
| Fire Department<br>Forestry One Replacement<br>Fire Chief Vehicle Replacement  |                             |               |              |               |                 | 70,000<br>50,000 |               | 70,000<br>50,000            |
| Public Works<br>Operations Division<br>Road Resurfacing<br>Culvert & Outfalls Improvement Program<br>Stormwater Management System Improvements | 425,402<br>92,355<br>58,120 |               |              |               |                 |                  |               | 425,402<br>92,355<br>58,120 |
| <b>Total General Fund</b>  | <b>637,877</b>              | <b>0</b>      | <b>0</b>     | <b>0</b>      | <b>0</b>        | <b>120,000</b>   | <b>0</b>      | <b>757,877</b>              |
| <b><u>Water Fund</u></b>   |                             |               |              |               |                 |                  |               |                             |
| <b>Total Water Fund</b>  | <b>0</b>                    | <b>0</b>      | <b>0</b>     | <b>0</b>      | <b>0</b>        | <b>0</b>         | <b>0</b>      | <b>0</b>                    |
| <b><u>Wastewater Fund</u></b>  |                             |               |              |               |                 |                  |               |                             |
| 3/4 Ton Pickup Replacement   | 9,633                       |               |              | 19,267        |                 |                  | 3,000         | 31,900                      |
| <b>Total Wastewater Fund</b>   | <b>9,633</b>                | <b>0</b>      | <b>0</b>     | <b>19,267</b> | <b>0</b>        | <b>0</b>         | <b>3,000</b>  | <b>31,900</b>               |
| <b>Total All Projects</b>  | <b>647,510</b>              | <b>0</b>      | <b>0</b>     | <b>19,267</b> | <b>0</b>        | <b>120,000</b>   | <b>3,000</b>  | <b>789,777</b>              |

**2019 CAPITAL IMPROVEMENT PROGRAM**

| Description                               | Operating Budget | Town Bond Amt  | UNH Bond Amt | UNH           | State & Federal | Capital Reserve | Trade & Other | Total          |
|---|------------------|----------------|--------------|---------------|-----------------|-----------------|---------------|----------------|
| <b><u>General Fund</u></b>                |                  |                |              |               |                 |                 |               |                |
| Police Department<br>Vehicle Replacement  | 64,000           |                |              |               |                 |                 |               | 64,000         |
| Fire Department                           |                  |                |              |               |                 |                 |               |                |
| Public Works<br>Operations Division       |                  |                |              |               |                 |                 |               |                |
| Road Resurfacing                          | 488,457          |                |              |               |                 |                 |               | 488,457        |
| Dump Truck Replacement                    |                  | 179,000        |              |               |                 |                 | 7,000         | 186,000        |
| Culvert & Outfalls Improvement Program    | 89,114           |                |              |               |                 |                 |               | 89,114         |
| Stormwater Management System Improvements | 57,060           |                |              |               |                 |                 |               | 57,060         |
| <b>Total General Fund</b>                 | <b>698,631</b>   | <b>179,000</b> | <b>0</b>     | <b>0</b>      | <b>0</b>        | <b>0</b>        | <b>7,000</b>  | <b>884,631</b> |
| <b><u>Water Fund</u></b>                  |                  |                |              |               |                 |                 |               |                |
| <b>Total Water Fund</b>                   | <b>0</b>         | <b>0</b>       | <b>0</b>     | <b>0</b>      | <b>0</b>        | <b>0</b>        | <b>0</b>      | <b>0</b>       |
| <b><u>Wastewater Fund</u></b>             |                  |                |              |               |                 |                 |               |                |
| 3/4 Ton Pickup Replacement                | 9,800            |                |              | 19,600        |                 |                 | 3,500         | 32,900         |
| <b>Total Wastewater Fund</b>              | <b>9,800</b>     | <b>0</b>       | <b>0</b>     | <b>19,600</b> | <b>0</b>        | <b>0</b>        | <b>3,500</b>  | <b>32,900</b>  |
| <b>Total All Projects</b>                 | <b>708,431</b>   | <b>179,000</b> | <b>0</b>     | <b>19,600</b> | <b>0</b>        | <b>0</b>        | <b>10,500</b> | <b>917,531</b> |

**2021 CAPITAL IMPROVEMENT PROGRAM**

| Description  | Operating Budget  | Town Bond Amt | UNH Bond Amt | UNH      | State & Federal | Capital Reserve   | Trade & Other | Total             |
|--|-------------------|---------------|--------------|----------|-----------------|-------------------|---------------|-------------------|
| <b><u>General Fund</u></b>   |                   |               |              |          |                 |                   |               |                   |
| Police Department<br>Vehicle Replacement   | 65,000            |               |              |          |                 |                   |               | 65,000            |
| Fire Department<br>Tanker 1 Replacement<br>Asst. Chief Vehicle Replacement   |                   |               |              |          |                 | 150,000<br>47,000 |               | 150,000<br>47,000 |
| Public Works<br>Operations Division<br>Road Resurfacing<br>Culvert & Outfalls Improvement Program<br>Stormwater Management System Improvements | 427,034<br>0<br>0 |               |              |          |                 |                   |               | 427,034<br>0<br>0 |
| <b>Total General Fund</b>  | <b>492,034</b>    | <b>0</b>      | <b>0</b>     | <b>0</b> | <b>0</b>        | <b>197,000</b>    | <b>0</b>      | <b>689,034</b>    |
| <b><u>Water Fund</u></b>   |                   |               |              |          |                 |                   |               |                   |
| <b>Total Water Fund</b>  | <b>0</b>          | <b>0</b>      | <b>0</b>     | <b>0</b> | <b>0</b>        | <b>0</b>          | <b>0</b>      | <b>0</b>          |
| <b><u>Wastewater Fund</u></b>  |                   |               |              |          |                 |                   |               |                   |
| 3/4 Ton Pickup Replacement   |                   |               |              |          |                 |                   |               | 0                 |
| <b>Total Wastewater Fund</b>   | <b>0</b>          | <b>0</b>      | <b>0</b>     | <b>0</b> | <b>0</b>        | <b>0</b>          | <b>0</b>      | <b>0</b>          |
| <b>Total All Projects</b>  | <b>492,034</b>    | <b>0</b>      | <b>0</b>     | <b>0</b> | <b>0</b>        | <b>197,000</b>    | <b>0</b>      | <b>689,034</b>    |

**2020 CAPITAL IMPROVEMENT PROGRAM**

| Description  | Operating Budget | Town Bond Amt    | UNH Bond Amt | UNH      | State & Federal | Capital Reserve | Trade & Other | Total            |
|--|------------------|------------------|--------------|----------|-----------------|-----------------|---------------|------------------|
| <b><u>General Fund</u></b>                               |                  |                  |              |          |                 |                 |               |                  |
| Planning<br>Technology Drive Infrastructure Improvements |                  | 2,145,000        |              |          |                 |                 |               | 2,145,000        |
| Police Department<br>Vehicle Replacement                 | 64,000           |                  |              |          |                 |                 |               | 64,000           |
| Fire Department<br>Radio Upgrades                        |                  |                  |              |          |                 | 250,000         |               | 250,000          |
| Defibrillator Replacement                                |                  |                  |              |          |                 | 40,000          |               | 40,000           |
| Public Works<br>Operations Division<br>Road Resurfacing  | 326,672          |                  |              |          |                 |                 |               | 326,672          |
| Culvert & Outfalls Improvement Program                   | 97,207           |                  |              |          |                 |                 |               | 97,207           |
| Stormwater Management System Improvements                | 10,000           |                  |              |          |                 |                 |               | 10,000           |
| <b>Total General Fund</b>                                | <b>497,879</b>   | <b>2,145,000</b> | <b>0</b>     | <b>0</b> | <b>0</b>        | <b>290,000</b>  | <b>0</b>      | <b>2,932,879</b> |
| <b><u>Water Fund</u></b>                                 |                  |                  |              |          |                 |                 |               |                  |
| <b>Total Water Fund</b>                                  | <b>0</b>         | <b>0</b>         | <b>0</b>     | <b>0</b> | <b>0</b>        | <b>0</b>        | <b>0</b>      | <b>0</b>         |
| <b><u>Wastewater Fund</u></b>                            |                  |                  |              |          |                 |                 |               |                  |
| 3/4 Ton Pickup Replacement                               |                  |                  |              |          |                 |                 |               | 0                |
| <b>Total Wastewater Fund</b>                             | <b>0</b>         | <b>0</b>         | <b>0</b>     | <b>0</b> | <b>0</b>        | <b>0</b>        | <b>0</b>      | <b>0</b>         |
| <b>Total All Projects</b>                                | <b>497,879</b>   | <b>2,145,000</b> | <b>0</b>     | <b>0</b> | <b>0</b>        | <b>290,000</b>  | <b>0</b>      | <b>2,932,879</b> |

GENERAL FUND PROPOSED BOND SCHEDULE

| PROJECT NAME                  | PROJECT YEAR | LENGT H | AMOUNT TO BE BONDED | INTEREST COSTS | ESTIMATED COST | 2012 PRINCIPAL | 2012 INTEREST | 2013 PRINCIPAL | 2013 INTEREST | 2014 PRINCIPAL | 2014 INTEREST | 2015 PRINCIPAL | 2015 INTEREST | 2016 PRINCIPAL | 2016 INTEREST | 2017 PRINCIPAL | 2017 INTEREST | 2018 PRINCIPAL | 2018 INTEREST | 2019 PRINCIPAL | 2019 INTEREST | 2020 PRINCIPAL | 2020 INTEREST | 2021 PRINCIPAL | 2021 INTEREST |
|-------------------------------|--------------|---------|---------------------|----------------|----------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|
| Municipal Network             | 2008         | 10      | \$120,000           | \$22,508       | \$142,508      |                |               |                |               | \$15,000       | \$4,748       | \$15,000       | \$3,885       | \$15,000       | \$3,330       | \$15,000       | \$2,775       | \$10,000       | \$2,220       | \$10,000       | \$1,850       | \$10,000       | \$1,480       | \$10,000       | \$1,110       |
| Wiswall Dam Fish Ladder       | 2010         | 10      | \$59,263            | \$8,215        | \$67,478       |                |               | \$9,263        | \$1,775       | \$10,000       | \$1,400       | \$5,000        | \$1,120       | \$5,000        | \$980         | \$5,000        | \$840         | \$5,000        | \$700         | \$5,000        | \$560         | \$5,000        | \$420         | \$5,000        | \$280         |
| Road Program                  | 2011         | 15      | \$417,917           | \$96,358       | \$514,275      |                |               | \$32,917       | \$13,408      | \$30,000       | \$11,550      | \$30,000       | \$10,650      | \$30,000       | \$9,750       | \$30,000       | \$8,850       | \$30,000       | \$7,950       | \$30,000       | \$7,050       | \$30,000       | \$6,150       | \$25,000       | \$5,250       |
| Tanker 1 Replacement          | 2011         | 10      | \$465,000           | \$58,358       | \$523,358      |                |               | \$50,000       | \$11,438      | \$50,000       | \$9,545       | \$50,000       | \$8,395       | \$45,000       | \$7,245       | \$45,000       | \$6,210       | \$45,000       | \$5,175       | \$45,000       | \$4,140       | \$45,000       | \$3,105       | \$45,000       | \$2,070       |
| Morgan Way Intersection       | 2011         | 15      | \$155,863           | \$34,551       | \$190,414      |                |               |                |               |                |               |                |               |                |               |                |               |                |               |                |               |                |               |                |               |
| One Ton Utility/Bucket Truck  | 2011         | 7       | \$68,400            | \$6,512        | \$74,912       |                |               | \$8,400        | \$1,682       | \$10,000       | \$1,380       | \$10,000       | \$1,150       | \$10,000       | \$920         | \$10,000       | \$690         | \$10,000       | \$460         | \$10,000       | \$230         |                |               |                |               |
| Pettee Brook Lane Corridor    | 2011/2012    | 10      | \$151,000           | \$25,095       | \$176,095      |                |               | \$16,000       | \$4,845       | \$15,000       | \$4,050       | \$15,000       | \$3,600       | \$15,000       | \$3,150       | \$15,000       | \$2,700       | \$15,000       | \$2,250       | \$15,000       | \$1,800       | \$15,000       | \$1,350       | \$15,000       | \$900         |
| Smith Chapel Repairs          | 2011         | 10      | \$65,000            | \$7,119        | \$72,119       |                |               | \$10,000       | \$1,599       | \$10,000       | \$1,265       | \$10,000       | \$1,035       | \$5,000        | \$805         | \$5,000        | \$690         | \$5,000        | \$575         | \$5,000        | \$460         | \$5,000        | \$345         | \$5,000        | \$230         |
| Sidewalk Snow Tractor         | 2011/2012    | 7       | \$125,000           | \$14,360       | \$139,360      |                |               | \$20,000       | \$4,010       | \$20,000       | \$3,150       | \$20,000       | \$2,550       | \$20,000       | \$1,950       | \$15,000       | \$1,350       | \$15,000       | \$900         | \$15,000       | \$450         |                |               |                |               |
| Police Station Renovations    | 2011/2012    | 10      | \$104,200           | \$16,843       | \$121,043      |                |               | \$14,200       | \$3,343       | \$10,000       | \$2,700       | \$10,000       | \$2,400       | \$10,000       | \$2,100       | \$10,000       | \$1,800       | \$10,000       | \$1,500       | \$10,000       | \$1,200       | \$10,000       | \$900         | \$10,000       | \$600         |
| New Library                   | 2012         | 30      | \$2,700,000         | \$2,312,063    | \$5,012,063    |                |               | \$90,000       | \$158,813     | \$90,000       | \$143,550     | \$90,000       | \$138,600     | \$90,000       | \$133,650     | \$90,000       | \$128,700     | \$90,000       | \$123,750     | \$90,000       | \$118,800     | \$90,000       | \$113,850     | \$90,000       | \$108,900     |
| Road Program                  | 2012         | 15      | \$405,487           | \$117,492      | \$522,979      |                |               | \$30,487       | \$16,242      | \$30,000       | \$14,063      | \$30,000       | \$12,938      | \$30,000       | \$11,813      | \$30,000       | \$10,688      | \$30,000       | \$9,563       | \$25,000       | \$8,438       | \$25,000       | \$7,500       | \$25,000       | \$6,563       |
| Roadway Sweeper               | 2012         | 10      | \$170,000           | \$26,604       | \$196,604      |                |               | \$20,000       | \$31,554      | \$20,000       | \$4,500       | \$20,000       | \$3,900       | \$20,000       | \$3,300       | \$15,000       | \$2,700       | \$15,000       | \$2,250       | \$15,000       | \$1,800       | \$15,000       | \$1,350       | \$15,000       | \$900         |
| Dump Truck                    | 2012         | 7       | \$158,000           | \$18,569       | \$176,569      |                |               | \$23,000       | \$5,069       | \$25,000       | \$4,050       | \$25,000       | \$3,300       | \$25,000       | \$2,550       | \$20,000       | \$1,800       | \$20,000       | \$1,200       | \$20,000       | \$600         |                |               |                |               |
| Bennett Road Culvert          | 2011/2012    | 15      | \$168,600           | \$44,111       | \$212,711      |                |               | \$13,600       | \$6,311       | \$15,000       | \$5,425       | \$15,000       | \$4,900       | \$15,000       | \$4,375       | \$10,000       | \$3,850       | \$10,000       | \$3,500       | \$10,000       | \$3,150       | \$10,000       | \$2,800       | \$10,000       | \$2,450       |
| Longmarsh Road Culvert        | 2012/2013    | 15      | \$165,750           | \$43,479       | \$209,229      |                |               | \$15,750       | \$6,204       | \$15,000       | \$5,250       | \$15,000       | \$4,725       | \$10,000       | \$4,200       | \$10,000       | \$3,850       | \$10,000       | \$3,500       | \$10,000       | \$2,800       | \$10,000       | \$2,450       | \$10,000       | \$2,100       |
| Road Program                  | 2013         | 15      | \$458,153           | \$134,061      | \$592,214      |                |               |                |               | \$38,153       | \$18,374      | \$35,000       | \$15,750      | \$30,000       | \$14,438      | \$30,000       | \$13,313      | \$30,000       | \$12,188      | \$30,000       | \$11,063      | \$30,000       | \$9,938       | \$30,000       | \$8,813       |
| Fire Station Replacement      | 2013         | 30      | \$857,000           | \$706,283      | \$1,563,283    |                |               |                |               | \$32,000       | \$50,408      | \$30,000       | \$45,375      | \$30,000       | \$43,725      | \$30,000       | \$42,075      | \$30,000       | \$40,213      | \$30,000       | \$38,775      | \$30,000       | \$37,125      | \$30,000       | \$35,475      |
| Dump Truck - 33,400 GVWR      | 2013         | 7       | \$161,000           | \$20,221       | \$181,221      |                |               |                |               | \$26,000       | \$5,596       | \$25,000       | \$4,388       | \$25,000       | \$3,575       | \$25,000       | \$2,763       | \$20,000       | \$1,950       | \$20,000       | \$1,300       | \$20,000       | \$650         | \$25,000       | \$8,000       |
| Crommets Creek Bridge         | 2013/2014    | 15      | \$408,000           | \$125,453      | \$533,453      |                |               |                |               | \$33,000       | \$17,453      | \$30,000       | \$15,000      | \$30,000       | \$13,800      | \$30,000       | \$12,600      | \$30,000       | \$11,400      | \$30,000       | \$10,200      | \$25,000       | \$9,000       | \$25,000       | \$8,000       |
| Engine 2 Replacement          | 2014         | 10      | \$600,000           | \$116,958      | \$716,958      |                |               |                |               |                |               | \$60,000       | \$22,458      | \$60,000       | \$18,900      | \$60,000       | \$16,800      | \$60,000       | \$14,700      | \$60,000       | \$12,600      | \$60,000       | \$10,500      | \$60,000       | \$8,400       |
| Dump Truck - 33,400 GVWR      | 2014         | 7       | \$164,000           | \$22,589       | \$186,589      |                |               |                |               |                |               | \$24,000       | \$6,139       | \$25,000       | \$4,900       | \$25,000       | \$4,025       | \$25,000       | \$3,150       | \$25,000       | \$2,275       | \$20,000       | \$1,400       | \$20,000       | \$700         |
| Old Landing Park Improvements | 2014         | 10      | \$86,474            | \$14,787       | \$101,261      |                |               |                |               |                |               | \$11,474       | \$17,537      | \$10,000       | \$2,625       | \$10,000       | \$2,275       | \$10,000       | \$1,925       | \$10,000       | \$1,575       | \$10,000       | \$1,225       | \$10,000       | \$875         |
| Refuse Collection Vehicle     | 2014         | 7       | \$225,000           | \$26,569       | \$251,569      |                |               |                |               |                |               | \$35,000       | \$7,219       | \$35,000       | \$5,700       | \$35,000       | \$4,650       | \$30,000       | \$3,600       | \$30,000       | \$2,700       | \$30,000       | \$1,800       | \$30,000       | \$900         |
| Dump Truck - 33,400 GVWR      | 2015         | 7       | \$167,000           | \$24,322       | \$191,322      |                |               |                |               |                |               |                |               | \$27,000       | \$6,697       | \$25,000       | \$5,250       | \$25,000       | \$4,313       | \$25,000       | \$3,375       | \$25,000       | \$2,438       | \$20,000       | \$1,500       |
| Recycling Collection Vehicle  | 2015         | 7       | \$101,000           | \$14,738       | \$115,738      |                |               |                |               |                |               |                |               | \$16,000       | \$4,051       | \$15,000       | \$3,188       | \$15,000       | \$2,625       | \$15,000       | \$2,063       | \$15,000       | \$1,500       | \$15,000       | \$938         |
| Fire Station Replacement      | 2016         | 30      | \$7,500,000         | \$6,714,323    | \$14,214,323   |                |               |                |               |                |               |                |               |                |               | \$250,000      | \$461,198     | \$250,000      | \$416,875     | \$250,000      | \$402,500     | \$250,000      | \$388,125     | \$250,000      | \$373,750     |
| Dump Truck - 33,400 GVWR      | 2016         | 7       | \$170,000           | \$25,380       | \$195,380      |                |               |                |               |                |               |                |               |                |               | \$25,000       | \$6,818       | \$25,000       | \$5,438       | \$25,000       | \$4,500       | \$25,000       | \$3,563       | \$25,000       | \$2,625       |
| 1 Ton Dump Truck              | 2016         | 7       | \$40,000            | \$5,542        | \$45,542       |                |               |                |               |                |               |                |               |                |               | \$10,000       | \$1,604       | \$5,000        | \$1,125       | \$5,000        | \$998         | \$5,000        | \$750         | \$5,000        | \$563         |
| Dump Truck - 33,400 GVWR      | 2019         | 7       | \$179,000           | \$27,657       | \$206,657      |                |               |                |               |                |               |                |               |                |               |                |               |                |               |                |               | \$29,000       | \$7,657       | \$30,000       | \$8,000       |
| <b>EXISTING BONDS</b>         |              |         | \$16,437,107        | \$10,803,463   | \$27,240,570   | \$0            | \$0           | \$353,617      | \$266,293     | \$494,153      | \$308,457     | \$610,474      | \$337,012     | \$633,000      | \$308,528     | \$895,000      | \$754,050     | \$875,000      | \$664,993     | \$870,000      | \$647,190     | \$815,000      | \$608,713     | \$785,000      | \$573,890     |
| 2002 Bond                     |              |         | \$2,317,265         |                |                | \$157,027      | \$25,012      | \$96,966       | \$19,124      | \$96,966       | \$15,245      | \$94,832       | \$11,367      | \$94,835       | \$7,455       | \$25,802       | \$3,424       | \$25,802       | \$2,304       | \$25,806       | \$1,152       |                |               |                |               |
| 2006 Bond                     | 2003-2006    | 20      | \$1,309,216         |                |                | \$113,698      | \$12,219      | \$113,698      | \$15,211      | \$36,649       | \$10,718      | \$36,649       | \$9,278       | \$36,649       | \$7,833       | \$18,758       | \$6,367       | \$18,758       | \$5,617       | \$18,758       | \$4,866       | \$18,758       | \$4,116       | \$18,758       | \$3,366       |
| 2006 Bond Land                |              | 20      | \$1,620,000         |                |                | \$81,000       | \$55,660      | \$81,000       | \$45,059      | \$81,000       | \$41,938      | \$81,000       | \$38,788      | \$81,000       | \$35,640      | \$81,000       | \$32,400      | \$81,000       | \$29,160      | \$81,000       | \$25,920      | \$81,000       | \$22,680      | \$81,000       | \$19,440      |
| 2006 Bond Taxable             | 2003-2006    | 7       | \$315,364           |                |                | \$35,000       | \$4,025       | \$35,000       | \$2,013       |                |               |                |               |                |               |                |               |                |               |                |               |                |               |                |               |
| 2008 Bond                     | 2005-2008    | 20      | \$692,365           |                |                | \$74,350       | \$18,236      | \$74,350       | \$15,819      | \$74,350       | \$13,217      | \$74,350       | \$10,615      | \$55,905       | \$7,827       | \$55,905       | \$5,032       | \$55,905       | \$2,795       |                |               |                |               |                |               |
| 2010 Bond                     | 2008-2010    | 20      | \$1,384,000         |                |                | \$70,000       | \$23,950      | \$65,000       | \$21,850      | \$65,000       | \$19,900      | \$60,000       | \$17,300      | \$60,000       | \$15,500      | \$60,000       | \$13,700      | \$40,000       | \$10,700      | \$40,000       | \$9,500       | \$35,000       | \$7,500       | \$25,000       | \$5,750       |
| 2005 Landfill SRF Loan        | 2002         | 20 YRS  | \$802,756           |                |                | \$40,138       | \$19,244      | \$40,138       | \$17,764      | \$40,138       | \$16,284      | \$40,138       | \$14,803      | \$40,138       | \$13,323      | \$40,138       | \$11,842      | \$40,138       | \$10,362      | \$40,138       | \$8,882       | \$40,138       | \$7,401       | \$40,138       | \$5,921       |
| <b>TOTALS</b>                 |              |         | \$29,573,149        |                |                | \$571,213      | \$158,346     | \$859,769      | \$403,132     | \$888,256      | \$425,759     | \$997,443      | \$439,163     | #####          | \$396,106     | \$1,176,403    | \$826,815     | \$1,136,403    | \$725,931     | \$1,075,502    | \$697,510     | \$1,018,896    | \$659,067     | \$979,895      | \$614,367     |
|                               |              |         |                     |                |                | TOTAL 2012     | TOTAL 2013    | TOTAL 2014     | TOTAL 2015    | TOTAL 2016     | TOTAL 2017    | TOTAL 2018     | TOTAL 2019    | TOTAL 2020     | TOTAL 2021    |                |               |                |               |                |               |                |               |                |               |
|                               |              |         |                     |                |                | \$729,559      | \$1,262,901   | \$1,314,015    | \$1,438,606   | \$1,397,633    | \$2,003,218   | \$1,862,334    | \$1,773,012   | \$1,677,863    | \$1,594,263   |                |               |                |               |                |               |                |               |                |               |

## 2012-2021 CAPITAL IMPROVEMENTS PROGRAM

| Description             | Rank | 2012      | Rank | 2013    | Rank | 2014 | Rank | 2015 | Rank | 2016 | Rank | 2017 | Rank | 2018 | Rank | 2019 | Rank | 2020 | Rank | 2021 |
|-------------------------|------|-----------|------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <i>Library Trustees</i> |      |           |      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| New Library             | 1    | 3,450,000 | 1    | 350,000 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>LIBRARY TOTALS</b>   |      | 3,450,000 |      | 350,000 |      | -    |      | -    |      | -    |      | -    |      | -    |      | -    |      | -    |      | -    |

**TOWN OF DURHAM, NEW HAMPSHIRE**  
**2012 - 2021 CIP Project Description**

| Project Name          |  | MASTER PLAN INFORMATION | PROJECT NEED | FY 12    | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |  |  |              |   |            |   |
|-----------------------|--|-------------------------|--------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--------------|---|------------|---|
| Library Facility      |  |                         |              | Mandated | X     | X     | X     |       |       |       |       |       |       |  |  |              |   |            |   |
| Durham Public Library |  |                         |              |          |       |       |       |       |       |       |       |       |       |  |  | Council Goal | X |            |   |
| Library Facility      |  |                         |              |          |       |       |       |       |       |       |       |       |       |  |  |              |   | Dept. Goal | X |
| 49 Madbury Road       |  |                         |              |          |       |       |       |       |       |       |       |       |       |  |  |              |   |            |   |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

The Durham Public Library has been housed in 3,000 square feet of space in the Mill Plaza - in what was intended to be a temporary facility - since 1997. In 2010 the Town purchased 2.8 acres with a house at 49 Madbury Rd. A design has been drafted and the next step is to renovate and expand the house to create a 10,500 square foot permanent town library.

**RATIONALE: (Cost/Benefit Analysis)**

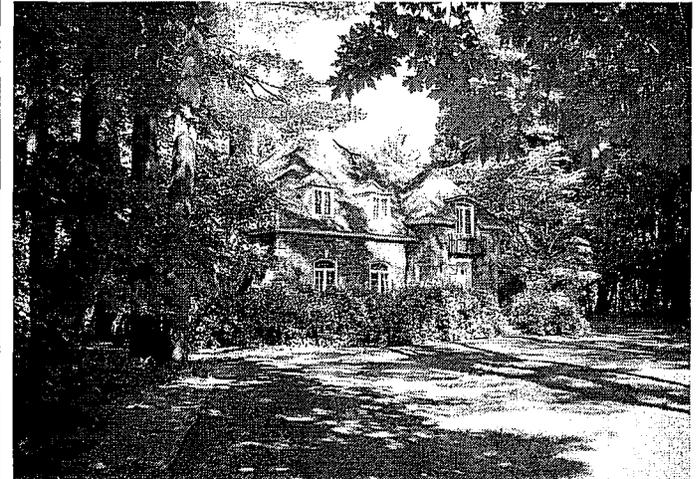
Annually the town spends about \$56,500 to rent the Mill Plaza facility, and this project will redirect this expenditure to greater service and public facilities. Starting in 2010 the property was purchased using privately raised funds received by the Library Board of Trustees, a detailed building space program was prepared with public input, a design/build team was selected, and a design has now been prepared with additional public input. The time is opportune to establish a permanent library, the cost of construction is currently in recession with the best construction pricing in years, and bond interest rates remain very low; postponing this inevitable project will significantly increase the cost to the community. The intent is to design and construct a facility that will be a good long term value to the Town by ensuring it is energy efficient in its systems and staff efficient in its layout. \$2.1m of non-taxpayer funds from donations, grants, and funds previously received by the library for a permanent building will go toward this project. \$1.2M of actual funds was collected prior to March 2011 with a capital campaign now underway to raise an additional \$900,000 in pledges by the end of this year.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

Library staffing will need to be increased by up to two additional full time equivalent (FTE) positions by the time the new library opens for an additional cost of \$27,000 annually. By making the building as energy efficient as possible, it is projected that the cost of heat and electricity will increase approximately \$27,000. We anticipate having twice as many computers in the new building requiring an additional \$2,000. These increases will be offset by the elimination of today's rent (\$56,500). This results in no additional operating cost if the building is open the same as it is today - 38 hours of operation/week. Increasing library hours to 51/week (comparable to many other town libraries in the State), would result in a \$57,000 increase. The Trustees will continue annual fundraising to augment the annual operating budget. In recent years these outside funds have added between \$18,000 and \$25,000 annually.

**FINANCIAL PLAN**

|                      | PRIOR            | FY 12            | FY 13          | FY 14    | FY 15    | FY 16    | FY 17    | FY 18    | FY 19    | FY 20    | FY 21    | TOTAL            |
|----------------------|------------------|------------------|----------------|----------|----------|----------|----------|----------|----------|----------|----------|------------------|
| <b>EXPENDITURES:</b> |                  |                  |                |          |          |          |          |          |          |          |          |                  |
| Pre-Design           | 23,000           |                  |                |          |          |          |          |          |          |          |          | 23,000           |
| Design               | 237,000          | 75,000           |                |          |          |          |          |          |          |          |          | 312,000          |
| Land Purchase        | 600,000          |                  |                |          |          |          |          |          |          |          |          | 600,000          |
| Construction         | 140,000          | 3,375,000        | 350,000        |          |          |          |          |          |          |          |          | 3,865,000        |
| <b>TOTAL</b>         | <b>1,000,000</b> | <b>3,450,000</b> | <b>350,000</b> | <b>0</b> | <b>4,800,000</b> |
| <b>FUNDING:</b>      |                  |                  |                |          |          |          |          |          |          |          |          |                  |
| Operating Rev.       |                  |                  |                |          |          |          |          |          |          |          |          | 0                |
| Capital Reserve      |                  |                  |                |          |          |          |          |          |          |          |          | 0                |
| Bond                 |                  | 2,700,000        |                |          |          |          |          |          |          |          |          | 2,700,000        |
| Federal              |                  |                  |                |          |          |          |          |          |          |          |          | 0                |
| State                |                  |                  |                |          |          |          |          |          |          |          |          | 0                |
| UNH                  |                  |                  |                |          |          |          |          |          |          |          |          | 0                |
| Trade In             |                  |                  |                |          |          |          |          |          |          |          |          | 0                |
| Other (library)      | 1,000,000        | 750,000          | 350,000        |          |          |          |          |          |          |          |          | 2,100,000        |
| <b>TOTAL</b>         | <b>1,000,000</b> | <b>3,450,000</b> | <b>350,000</b> | <b>0</b> | <b>4,800,000</b> |



## 2012-2021 CAPITAL IMPROVEMENTS PROGRAM

| Description                                 | Rank | 2012 | Rank | 2013 | Rank | 2014   | Rank | 2015 | Rank | 2016 | Rank | 2017    | Rank | 2018 | Rank | 2019 | Rank | 2020      | Rank | 2021 |
|---|------|------|------|------|------|--------|------|------|------|------|------|---------|------|------|------|------|------|-----------|------|------|
| <i>Planning</i>                             |      |      |      |      |      |        |      |      |      |      |      |         |      |      |      |      |      |           |      |      |
| Wagon Hill Parking                          |      |      |      | 1    |      | 26,500 |      |      |      |      |      |         |      |      |      |      |      |           |      |      |
| Downtown Sidewalks                          |      |      |      |      |      |        |      |      |      |      | 1    | 630,000 |      |      |      |      |      |           |      |      |
| Technology Drive Infrastructure Improvement |      |      |      |      |      |        |      |      |      |      |      |         |      |      |      | 1    |      | 2,145,000 |      |      |
| <b>PLANNING TOTALS</b>                      |      | -    |      | -    |      | 26,500 |      | -    |      | -    |      | 630,000 |      | -    |      | -    |      | 2,145,000 |      | -    |

**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                                  | MASTER PLAN INFORMATION | PROJECT NEED | FY 12  | FY 13                                    | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|----------------------------------|-------------------------|--------------|--|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Wagon Hill Parking               |                         |              | Chapter 5 of Master Plan and in the Wagon Hill Master Plan | Mandated<br>Council Goal<br>Dept. Goal X |       |       | X     |       |       |       |       |       |
| Department   | Planning & Community Development |                         |              |  |  |       |       |       |       |       |       |       |       |
| Division     | General Government               |                         |              |  |  |       |       |       |       |       |       |       |       |
| Location     | Wagon Hill - Route 4             |                         |              |  |  |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Installation of a 60' x 250' gravel parking lot at Wagon Hill. This parking lot would hold approximately 50 vehicles and be located between the barn and apple orchard.

**RATIONALE: (Cost/Benefit Analysis)**

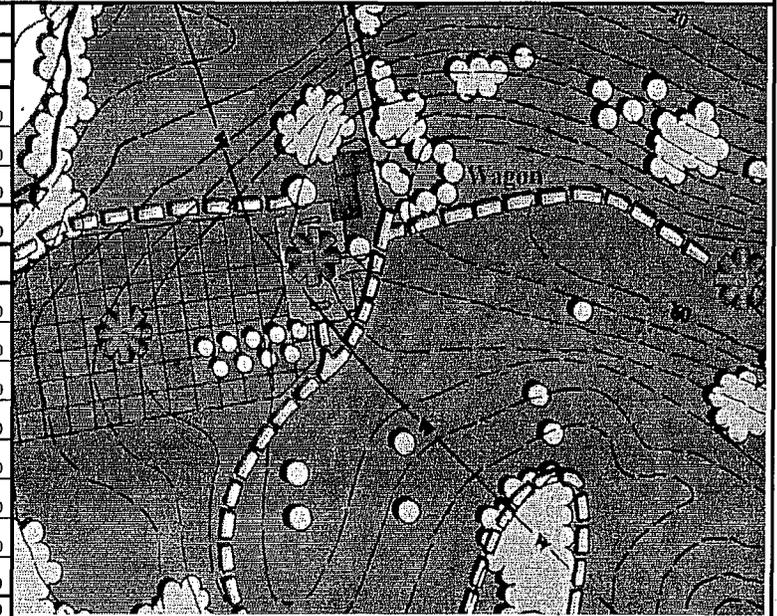
Both the 1995 Wagon Hill Farm Master & Management Plan and the Master Plan 2000 call for improvements to Wagon Hill Farm. In the past there have been calls for the possibility of establishing a resident and non-resident permit system for the use of Wagon Hill and we will need to make improvements to the facility and parking. The Recreation Chapter (Chapter 5) of the Master Plan 2000 speaks to these, and other, improvements to Wagon Hill. There has been work done already but more will be needed to provide for more recreational activity at Wagon Hill Farm. Wagon Hill Farm is a tremendous resource for the Town of Durham and beyond. It is also an underutilized resource.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

Continued maintenance of the parking area, mostly in the winter with plowing, will be needed and would affect the Public Works Department Budget or possibly the Recreation Committee's budget. The use of fees (permit or user) could help offset these costs and potentially cover them.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12 | FY 13 | FY 14  | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL  |
|----------------------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------|
| <b>EXPENDITURES:</b> |       |       |       |        |       |       |       |       |       |       |       |        |
| Pre-Design           |       |       |       |        |       |       |       |       |       |       |       | 0      |
| Design               |       |       |       |        |       |       |       |       |       |       |       | 0      |
| Purch/Const.         |       |       |       | 26,500 |       |       |       |       |       |       |       | 26,500 |
| <b>TOTAL</b>         | 0     | 0     | 0     | 26,500 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 26,500 |
| <b>FUNDING:</b>      |       |       |       |        |       |       |       |       |       |       |       |        |
| Operating Rev.       |       |       |       | 26,500 |       |       |       |       |       |       |       | 26,500 |
| Capital Reserve      |       |       |       |        |       |       |       |       |       |       |       | 0      |
| Bond                 |       |       |       |        |       |       |       |       |       |       |       | 0      |
| Federal              |       |       |       |        |       |       |       |       |       |       |       | 0      |
| State                |       |       |       |        |       |       |       |       |       |       |       | 0      |
| UNH                  |       |       |       |        |       |       |       |       |       |       |       | 0      |
| Trade In             |       |       |       |        |       |       |       |       |       |       |       | 0      |
| Other                |       |       |       |        |       |       |       |       |       |       |       | 0      |
| <b>TOTAL</b>         | 0     | 0     | 0     | 26,500 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 26,500 |



**TOWN OF DURHAM, NEW HAMPSHIRE**  
**2012 - 2021 CIP Project Description**

| Project Name       |                                  | MASTER PLAN INFORMATION | PROJECT NEED | FY 12                           | FY 13                                    | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------------|----------------------------------|-------------------------|--------------|---------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Downtown Sidewalks |                                  |                         |              | Discussed in Chapters 2, 3, & 6 | Mandated<br>Council Goal<br>Dept. Goal X |       |       |       |       |       | X     |       |       |
| Department         | Planning & Community Development |                         |              |                                 |  |       |       |       |       |       |       |       |       |
| Division           | General Government               |                         |              |                                 |  |       |       |       |       |       |       |       |       |
| Location           | Downtown Area                    |                         |              |                                 |  |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Constructing sidewalks in order to create a safer environment in the downtown that is less vehicle oriented and more pedestrian oriented. The areas proposed for the sidewalks are as follows - west side of Strafford Avenue from Garrison to the sidewalk in the vicinity of the New England Center; Madbury Road on the east side from Woodman to Garrison Avenue; Garrison Avenue on the south side from Madbury Road to Main Street; Pettee Brook Lane in front of the UNH Police Station; and Mill Road on the west side from the UNH "C" lot to 6-8 Mill Road.

**RATIONALE: (Cost/Benefit Analysis)**

This project will provide an interconnected network of five foot sidewalks and granite curbing that will serve Durham's downtown businesses, central residential area, and the University of New Hampshire. Currently some sidewalks exist in the project area; however, there are breaks in the network or a lack of sidewalk on both sides of the road where, due to the heavy pedestrian traffic, sidewalks are warranted on both sides of the road. The project will improve pedestrian safety by providing a level, all season, and maintained sidewalk with curbing that provides an improved level of protection to pedestrians. Requests have been made for crosswalks in several locations, but since there are not sidewalks on both sides of the road, these requests have been denied. In addition to providing pedestrian safety, this project is intended to encourage more pedestrian and bicycle travel. We will seek funding from the University to assist in this project as well as federal grant money through the Transportation Enhancement (TE) Grant program.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

This will impact the Public Works Department due to the maintenance, sidewalk plowing, and reconstruction in the future.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17   | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL   |
|----------------------|-------|-------|-------|-------|-------|-------|---------|-------|-------|-------|-------|---------|
| <b>EXPENDITURES:</b> |       |       |       |       |       |       |         |       |       |       |       |         |
| Pre-Design           |       |       |       |       |       |       |         |       |       |       |       | 0       |
| Design               |       |       |       |       |       |       | 60,000  |       |       |       |       | 60,000  |
| Purch/Const.         |       |       |       |       |       |       | 570,000 |       |       |       |       | 570,000 |
| <b>TOTAL</b>         | 0     | 0     | 0     | 0     | 0     | 0     | 630,000 | 0     | 0     | 0     | 0     | 630,000 |
| <b>FUNDING:</b>      |       |       |       |       |       |       |         |       |       |       |       |         |
| Operating Rev.       |       |       |       |       |       |       | 63,000  |       |       |       |       | 63,000  |
| Capital Reserve      |       |       |       |       |       |       |         |       |       |       |       | 0       |
| Bond                 |       |       |       |       |       |       |         |       |       |       |       | 0       |
| Federal              |       |       |       |       |       |       | 504,000 |       |       |       |       | 504,000 |
| State                |       |       |       |       |       |       |         |       |       |       |       | 0       |
| UNH                  |       |       |       |       |       |       | 63,000  |       |       |       |       | 63,000  |
| Trade In             |       |       |       |       |       |       |         |       |       |       |       | 0       |
| Other                |       |       |       |       |       |       |         |       |       |       |       | 0       |
| <b>TOTAL</b>         | 0     | 0     | 0     | 0     | 0     | 0     | 630,000 | 0     | 0     | 0     | 0     | 630,000 |

## TOWN OF DURHAM, NEW HAMPSHIRE

### 2012 - 2021 CIP Project Description

| Project Name | Technology Drive Infrastructure Improvements | MASTER PLAN INFORMATION | PROJECT NEED                         | FY 12    | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|--|-------------------------|--------------------------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Department   | Planning & Community Development             |                         | Project in Chapter 8,<br>p.8.20-8.21 | Mandated |       |       |       |       |       |       |       |       | X     |
| Division     | General Government                           | Council Goal            |                                      |          |       |       |       |       |       |       |       |       |       |
| Location     | Technology Drive Area                        | Dept. Goal              |                                      | X        |       |       |       |       |       |       |       |       |       |

### PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

**DESCRIPTION:**

Extension of 4260 feet of roadway and sewer line in and around Technology Drive and Beech Hill Road to allow for further commercial development in the area. The water line already runs up Technology Drive to the Beech Hill water tank and we would not need to extend the water line at this time.

**RATIONALE: (Cost/Benefit Analysis)**

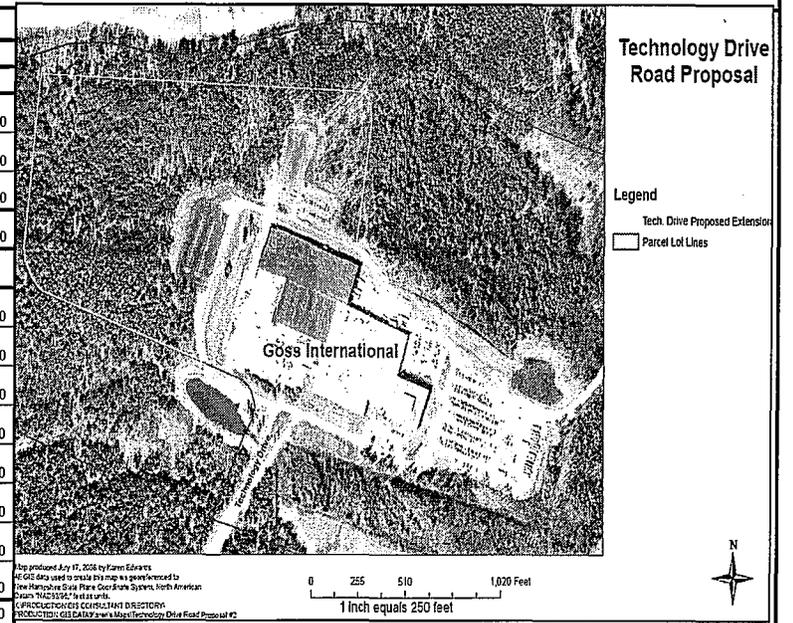
Extending municipal utilities to the area could help spur commercial development and an help to stabilize taxes in Durham. The area is zoned for office, research, and light industry and there is great potential for the area to be developed.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

If the Town were to construct the infrastructure extensions for the Technology Drive area, the Department of Public Works would incur maintenance costs as well as eventual repaving of the road. Any sewer or water extensions in the public right-of-way would be the responsibility of the Town.

#### FINANCIAL PLAN

|                      | PRIOR | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20     | FY 21 | TOTAL     |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|-------|-----------|
| <b>EXPENDITURES:</b> |       |       |       |       |       |       |       |       |       |           |       |           |
| Pre-Design           |       |       |       |       |       |       |       |       |       |           |       | 0         |
| Design               |       |       |       |       |       |       |       |       |       | 162,000   |       | 162,000   |
| Purch/Const.         |       |       |       |       |       |       |       |       |       | 1,983,000 |       | 1,983,000 |
| <b>TOTAL</b>         | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 2,145,000 | 0     | 2,145,000 |
| <b>FUNDING:</b>      |       |       |       |       |       |       |       |       |       |           |       |           |
| Operating Rev.       |       |       |       |       |       |       |       |       |       |           |       | 0         |
| Capital Reserve      |       |       |       |       |       |       |       |       |       |           |       | 0         |
| Bond                 |       |       |       |       |       |       |       |       |       | 2,145,000 |       | 2,145,000 |
| Federal              |       |       |       |       |       |       |       |       |       |           |       | 0         |
| State                |       |       |       |       |       |       |       |       |       |           |       | 0         |
| UNH                  |       |       |       |       |       |       |       |       |       |           |       | 0         |
| Trade In             |       |       |       |       |       |       |       |       |       |           |       | 0         |
| Other                |       |       |       |       |       |       |       |       |       |           |       | 0         |
| <b>TOTAL</b>         | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 2,145,000 | 0     | 2,145,000 |



## 2012-2021 CAPITAL IMPROVEMENTS PROGRAM

| Description                         | Rank | 2012   | Rank | 2013   | Rank | 2014   | Rank | 2015   | Rank | 2016   | Rank | 2017   | Rank | 2018   | Rank | 2019   | Rank | 2020   | Rank | 2021   |
|-------------------------------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| <b>Police Department</b>            |      |        |      |        |      |        |      |        |      |        |      |        |      |        |      |        |      |        |      |        |
| Vehicle Replacement (Purchase 2/Yr) | 1    | 31,000 | 1    | 62,000 | 1    | 62,000 | 1    | 62,000 | 1    | 62,000 | 1    | 62,000 | 1    | 62,000 | 1    | 64,000 | 1    | 64,000 | 1    | 65,000 |
| Building Needs Assessment           |      |        |      |        |      |        |      |        |      |        | 2    | 15,000 |      |        |      |        |      |        |      |        |
| <b>POLICE TOTALS</b>                |      | 31,000 |      | 62,000 |      | 62,000 |      | 62,000 |      | 62,000 |      | 77,000 |      | 62,000 |      | 64,000 |      | 64,000 |      | 65,000 |

**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                     | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13                                  | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|---------------------|-------------------------|--------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Vehicle Replacement |                         |              | None  | Mandated<br>Council Goal<br>Dept. Goal | X     | X     | X     | X     | X     | X     | X     | X     |
| Department   | Police              |                         |              |       |  |       |       |       |       |       |       |       |       |
| Division     | Enforcement         |                         |              |       |  |       |       |       |       |       |       |       |       |
| Location     | 86 Dover Road       |                         |              |       |  |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

We have attempted to purchase two vehicles annually to meet our structured vehicle replacement plan. Unfortunately, the last six years where there should have been twelve (12) vehicles purchased, we have only replaced seven (7) due to budget restrictions. Our plan was to replace two frontline responding police vehicles annually so that the six marked units would be fully rotated every three-years. The vehicles are then transferred to detectives, administration or to other Town departments where the type of use does not require such challenging 24/7 use with extensive idling time in between. As you will recall, the Durham Police committed to purchase a more fuel efficient police vehicle based upon the Ford Taurus. Two of these vehicles were budgeted for in 2011 but due to State budget challenges and costs being passed on to Durham we were required to eliminate one vehicle. Our plan for 2012 was to replace two vehicles but due to several factors, we will replace only one.

**RATIONALE: (Cost/Benefit Analysis)**

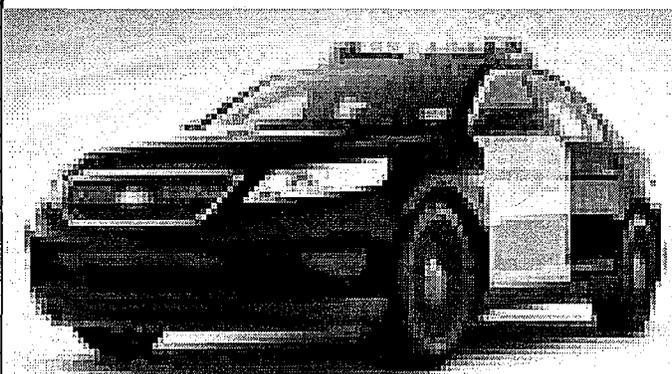
It cannot be overstated that the annual cost to purchase two vehicles allows for the placement of six police cruisers in service patrolling the neighborhoods of Durham. Police vehicles are driven under the most strenuous conditions almost 24 hours daily. Rarely are the engines turned off as they idle at accident scenes, traffic stops or directed patrols. Although they are built to be a "police interceptor", even the best of vehicles require repair especially under these strenuous conditions. Our ability to shift vehicles from the "front line" as marked vehicles to detectives, training transportation and to other Town departments has been very successful with many of our ex-police vehicles still being operated with excess of 150,000 miles. With an exceedingly lean and frugal budget, virtually the only area to cut without losing personnel is and has been cruisers. In the past four budget cycles we replaced 1 vehicle in 2007, 2 in 2008 and 1 in 2009 and 1 in 2010 leaving us 3 cruisers behind in our planning. This shortfall may begin to be accentuated as mechanical issues or replacement schedules falter.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

During development of these cruisers by Ford, indications were that equipment from the Crown Victoria would be transferable. This has not been the case and a number of items are required to be installed in the retrofitted Taurus such as warning lights for the top of the cruiser (\$1,000) and molded plastic back seats (\$400) adding additional expenses. Consequently, these items will increase funding requirements until all six cruisers have the appropriate equipment.

**FINANCIAL PLAN**

| oli                  | PRIOR    | FY12          | FY13          | FY14          | FY15          | FY16          | FY17          | FY18          | FY19          | FY20          | FY21          | TOTAL          |
|----------------------|----------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| <b>EXPENDITURES:</b> |          |               |               |               |               |               |               |               |               |               |               |                |
| Pre-Design           |          |               |               |               |               |               |               |               |               |               |               | 0              |
| Design               |          |               |               |               |               |               |               |               |               |               |               | 0              |
| Purch/Const.         |          | 31,000        | 62,000        | 62,000        | 62,000        | 62,000        | 62,000        | 62,000        | 64,000        | 64,000        | 65,000        | 596,000        |
| <b>TOTAL</b>         |          | <b>31,000</b> | <b>62,000</b> | <b>62,000</b> | <b>62,000</b> | <b>62,000</b> | <b>62,000</b> | <b>62,000</b> | <b>64,000</b> | <b>64,000</b> | <b>65,000</b> | <b>596,000</b> |
| <b>FUNDING:</b>      |          |               |               |               |               |               |               |               |               |               |               |                |
| Operating Rev.       |          | 31,000        | 62,000        | 62,000        | 62,000        | 62,000        | 62,000        | 62,000        | 64,000        | 64,000        | 65,000        | 596,000        |
| Capital Reserve      |          |               |               |               |               |               |               |               |               |               |               | 0              |
| Bond                 |          |               |               |               |               |               |               |               |               |               |               | 0              |
| Federal              |          |               |               |               |               |               |               |               |               |               |               | 0              |
| State                |          |               |               |               |               |               |               |               |               |               |               | 0              |
| UNH                  |          |               |               |               |               |               |               |               |               |               |               | 0              |
| Trade In             |          |               |               |               |               |               |               |               |               |               |               | 0              |
| Other                |          |               |               |               |               |               |               |               |               |               |               | 0              |
| <b>TOTAL</b>         | <b>0</b> | <b>31,000</b> | <b>62,000</b> | <b>62,000</b> | <b>62,000</b> | <b>62,000</b> | <b>62,000</b> | <b>62,000</b> | <b>64,000</b> | <b>64,000</b> | <b>65,000</b> | <b>596,000</b> |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                                  | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|----------------------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Police Facility Needs Assessment |                         |              |       |       |       |       |       |       |       |       |       |       |
| Department   | Police                           | None                    | Mandated     |       |       |       |       |       |       |       |       |       |       |
| Division     | Administration                   |                         | Council Goal |       |       |       |       |       | X     |       |       |       |       |
| Location     | 86 Dover Road                    |                         | Dept. Goal   |       |       |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

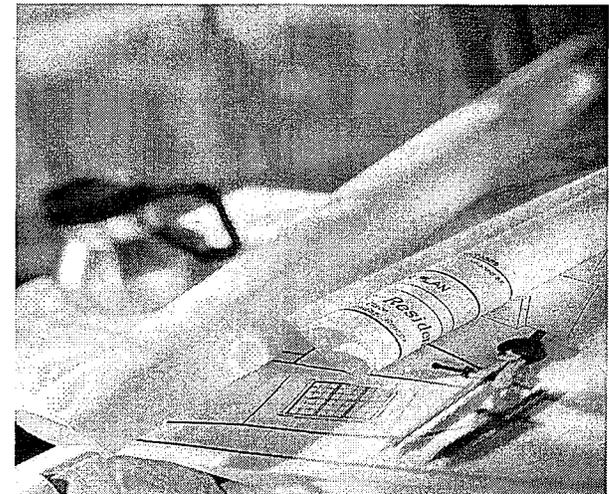
This proposal will contract with an appropriate engineering firm to determine the future use of the current police facility located at 86 Dover Road.

**RATIONALE:** (Cost/Benefit Analysis)

**OPERATING BUDGET IMPACT:** (Include how this may impact other Departments and expected future maintenance costs)

**FINANCIAL PLAN**

|                      | PRIOR | FY12 | FY13 | FY14 | FY15 | FY16 | FY17   | FY18 | FY19 | FY20 | FY21 | TOTAL  |
|----------------------|-------|------|------|------|------|------|--------|------|------|------|------|--------|
| <b>EXPENDITURES:</b> |       |      |      |      |      |      |        |      |      |      |      |        |
| Pre-Design           |       |      |      |      |      |      | 15,000 |      |      |      |      | 15,000 |
| Design               |       |      |      |      |      |      |        |      |      |      |      | 0      |
| Purch/Const.         |       |      |      |      |      |      |        |      |      |      |      | 0      |
| <b>TOTAL</b>         | 0     | 0    | 0    | 0    | 0    | 0    | 15,000 | 0    | 0    | 0    | 0    | 15,000 |
| <b>FUNDING:</b>      |       |      |      |      |      |      |        |      |      |      |      |        |
| Operating Rev.       |       |      |      |      |      |      | 15,000 |      |      |      |      | 15,000 |
| Capital Reserve      |       |      |      |      |      |      |        |      |      |      |      | 0      |
| Bond                 |       |      |      |      |      |      |        |      |      |      |      | 0      |
| Federal              |       |      |      |      |      |      |        |      |      |      |      | 0      |
| State                |       |      |      |      |      |      |        |      |      |      |      | 0      |
| UNH                  |       |      |      |      |      |      |        |      |      |      |      | 0      |
| Trade In             |       |      |      |      |      |      |        |      |      |      |      | 0      |
| Other                |       |      |      |      |      |      |        |      |      |      |      | 0      |
| <b>TOTAL</b>         | 0     | 0    | 0    | 0    | 0    | 0    | 15,000 | 0    | 0    | 0    | 0    | 15,000 |



## 2012-2021 CAPITAL IMPROVEMENTS PROGRAM

| Description                        | Rank | 2012   | Rank | 2013      | Rank | 2014    | Rank | 2015    | Rank      | 2016      | Rank | 2017    | Rank   | 2018    | Rank | 2019 | Rank    | 2020    | Rank | 2021    |
|------------------------------------|------|--------|------|-----------|------|---------|------|---------|-----------|-----------|------|---------|--------|---------|------|------|---------|---------|------|---------|
| <b>Fire Department</b>             |      |        |      |           |      |         |      |         |           |           |      |         |        |         |      |      |         |         |      |         |
| Turnout Gear Replacement           | 1    | 90,000 |      |           |      |         |      |         |           |           |      |         |        |         |      |      |         |         |      |         |
| New Fire Station                   |      |        | 1    | 857,000   |      |         |      | 1       | 7,500,000 |           |      |         |        |         |      |      |         |         |      |         |
| Asst. Chief Vehicle Replacement    |      |        | 2    | 50,000    |      |         |      |         |           |           |      |         |        |         |      |      |         |         | 2    | 47,000  |
| Upgrade to Web Based Software - FH |      |        | 3    | 25,000    |      |         |      |         |           |           |      |         |        |         |      |      |         |         |      |         |
| Radio Upgrades                     |      |        | 4    | 40,000    |      |         |      | 3       | 15,000    |           |      |         |        |         |      | 1    | 250,000 |         |      |         |
| Water Rescue Vehicles              |      |        | 5    | 28,000    |      |         |      |         |           |           |      |         |        |         |      |      |         |         |      |         |
| Engine 2 Replacement               |      |        |      |           | 1    | 600,000 |      |         |           |           |      |         |        |         |      |      |         |         |      |         |
| Hurst Tool Replacement             |      |        |      |           | 2    | 50,000  |      |         |           |           |      |         |        |         |      |      |         |         |      |         |
| Vehicle Air Bag Lifts Replacements |      |        |      |           | 3    | 10,000  |      |         |           |           |      |         |        |         |      |      |         |         |      |         |
| Engine 1 Refurbishment             |      |        |      |           |      |         | 1    | 200,000 |           |           |      |         |        |         |      |      |         |         |      |         |
| Deputy Chief Vehicle Replacement   |      |        |      |           |      |         |      |         | 2         | 45,000    |      |         |        |         |      |      |         |         |      |         |
| Confined Space Trailer Replacement |      |        |      |           |      |         |      |         | 4         | 50,000    |      |         |        |         |      |      |         |         |      |         |
| Medic 1 Replacement                |      |        |      |           |      |         |      |         |           |           | 1    | 100,000 |        |         |      |      |         |         |      |         |
| Prevention Vehicle Replacement     |      |        |      |           |      |         |      |         |           |           | 2    | 35,000  |        |         |      |      |         |         |      |         |
| Foetry Unit Replacement            |      |        |      |           |      |         |      |         |           |           |      | 1       | 70,000 |         |      |      |         |         |      |         |
| Fire Chief Vehicle Replacement     |      |        |      |           |      |         |      |         |           |           |      | 2       | 50,000 |         |      |      |         |         |      |         |
| Defibrillator Replacement          |      |        |      |           |      |         |      |         |           |           |      |         |        |         |      | 2    | 40,000  |         |      |         |
| Tanker 1 Replacement               |      |        |      |           |      |         |      |         |           |           |      |         |        |         |      |      |         |         | 1    | 150,000 |
| <b>FIRE TOTALS</b>                 |      | 90,000 |      | 1,000,000 |      | 660,000 |      | 200,000 |           | 7,610,000 |      | 135,000 |        | 120,000 |      | -    |         | 290,000 |      | 197,000 |

**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                  | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Turnout Gear     |                         |              |       |       |       |       |       |       |       |       |       |       |
| Department   | Fire Department  |                         | Mandated     | X     |       |       |       |       |       |       |       |       |       |
| Division     | Fire Suppression |                         | Council Goal |       |       |       |       |       |       |       |       |       |       |
| Location     | 51 College Road  |                         | Dept. Goal   |       | X     |       |       |       |       |       |       |       |       |
|              |                  |                         |              |       |       |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Purchase 34 sets of turnout gear.

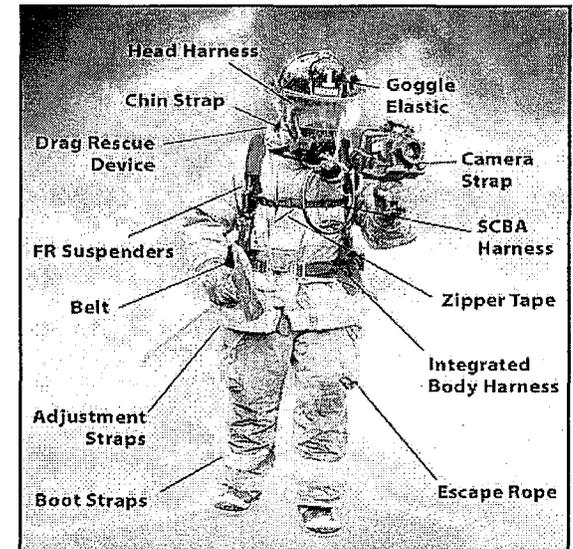
**RATIONALE: (Cost/Benefit Analysis)**

This will outfit the current Firefighters/Captains and Administrative staff with gear. A set consists of a protective coat, a pair of protective pants tailored for each individual, boots, helmet, hood, gloves, suspenders, flashlights, forestry shirts etc. With the turnover of personnel over the last three years the yearly purchase of replacement gear has fallen dramatically behind and this purchase will give the department a clean slate to start with all personnel and give us the appropriate backup gear which is required under Union contract as well as for daily use. Backup gear is used when the primary gear has been in a hazardous environment and is being cleaned. The firefighter will wear their backup set during the two days it takes for a set to clean and dry appropriately.

**OPERATING BUDGET IMPACT:** (Include how this may impact other Departments and expected future maintenance costs)

**FINANCIAL PLAN**

|                      | PRIOR    | FY12          | FY13     | FY14     | FY15     | FY16     | FY17     | FY18     | FY19     | FY20     | FY21     | TOTAL         |
|----------------------|----------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------------|
| <b>EXPENDITURES:</b> |          |               |          |          |          |          |          |          |          |          |          |               |
| Pre-Design           |          |               |          |          |          |          |          |          |          |          |          | 0             |
| Design               |          |               |          |          |          |          |          |          |          |          |          | 0             |
| Purch/Const.         |          | 90,000        |          |          |          |          |          |          |          |          |          | 90,000        |
| <b>TOTAL</b>         | <b>0</b> | <b>90,000</b> | <b>0</b> | <b>90,000</b> |
| <b>FUNDING:</b>      |          |               |          |          |          |          |          |          |          |          |          |               |
| Operating Rev.       |          |               |          |          |          |          |          |          |          |          |          | 0             |
| Capital Reserve      |          | 90,000        |          |          |          |          |          |          |          |          |          | 90,000        |
| Bond                 |          |               |          |          |          |          |          |          |          |          |          | 0             |
| Federal              |          |               |          |          |          |          |          |          |          |          |          | 0             |
| State                |          |               |          |          |          |          |          |          |          |          |          | 0             |
| UNH                  |          |               |          |          |          |          |          |          |          |          |          | 0             |
| Trade In             |          |               |          |          |          |          |          |          |          |          |          | 0             |
| Other                |          |               |          |          |          |          |          |          |          |          |          | 0             |
| <b>TOTAL</b>         | <b>0</b> | <b>90,000</b> | <b>0</b> | <b>90,000</b> |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                  | MASTER PLAN INFORMATION | PROJECT NEED | FY 12    | FY 13    | FY 14 | FY 15 | FY 16    | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|------------------|-------------------------|--------------|----------|----------|-------|-------|----------|-------|-------|-------|-------|-------|
| Project Name | New Fire Station |                         |              |          |          |       |       |          |       |       |       |       |       |
| Department   | Fire Department  |                         | Mandated     |          |          |       |       |          |       |       |       |       |       |
| Division     | Administration   |                         | Council Goal |          | <b>X</b> |       |       | <b>X</b> |       |       |       |       |       |
| Location     | Mill Road        |                         | Dept. Goal   | <b>X</b> |          |       |       |          |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Funds in 2013 are for the architectural and engineering services needed for the construction of a new fire station for the Town of Durham, New Hampshire. The building will be approximately 30,000 gross square feet and will generally be configured as indicated on conceptual drawings by LeMay Erickson Wilcox Architects. The project construction budget is approximately \$7.5M for building and site.

**RATIONALE: (Cost/Benefit Analysis)**

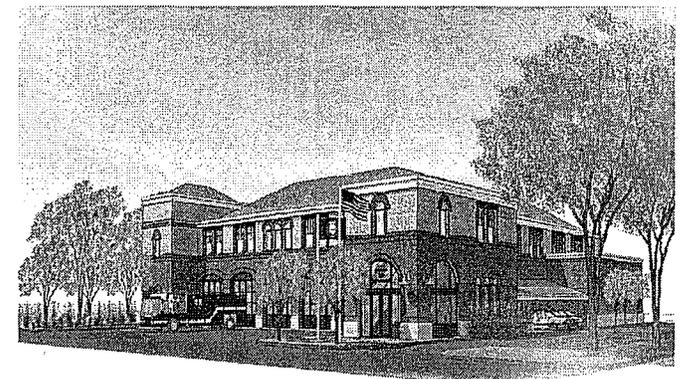
The Fire Department is in the third year of the current 10 year lease with the University of New Hampshire. The UNH Master plan shows that the current location will be transformed into an academic building and force the eviction of the Fire Department with a two year notice. Plans in themselves take approximately 10 months to complete and in preparing, we would be ready if a Government Grant were to become available. Our current Architects will provide the design and architectural plans for the new station, making our project ready as our notice may come at any point in time during the next seven years.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

Although there are costs associated with the plans and further costs with the construction of the station, we are currently paying the University of New Hampshire a lease payment of \$169,000 per year for the current location on College Road.

**FINANCIAL PLAN**

|                      | PRIOR    | FY12     | FY13           | FY14     | FY15     | FY16             | FY17     | FY18     | FY19     | FY20     | FY21     | TOTAL            |
|----------------------|----------|----------|----------------|----------|----------|------------------|----------|----------|----------|----------|----------|------------------|
| <b>EXPENDITURES:</b> |          |          |                |          |          |                  |          |          |          |          |          |                  |
| Pre-Design           |          |          | 857,000        |          |          |                  |          |          |          |          |          | 857,000          |
| Design               |          |          |                |          |          |                  |          |          |          |          |          | 0                |
| Purch/Const.         |          |          |                |          |          | 7,500,000        |          |          |          |          |          | 7,500,000        |
| <b>TOTAL</b>         | <b>0</b> | <b>0</b> | <b>857,000</b> | <b>0</b> | <b>0</b> | <b>7,500,000</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>8,357,000</b> |
| <b>FUNDING:</b>      |          |          |                |          |          |                  |          |          |          |          |          |                  |
| Operating Rev.       |          |          |                |          |          |                  |          |          |          |          |          | 0                |
| Capital Reserve      |          |          |                |          |          |                  |          |          |          |          |          | 0                |
| Bond                 |          |          | 428,500        |          |          | 3,750,000        |          |          |          |          |          | 4,178,500        |
| Federal              |          |          |                |          |          |                  |          |          |          |          |          | 0                |
| State                |          |          |                |          |          |                  |          |          |          |          |          | 0                |
| UNH                  |          |          | 428,500        |          |          | 3,750,000        |          |          |          |          |          | 4,178,500        |
| Trade In             |          |          |                |          |          |                  |          |          |          |          |          | 0                |
| Other                |          |          |                |          |          |                  |          |          |          |          |          | 0                |
| <b>TOTAL</b>         | <b>0</b> | <b>0</b> | <b>857,000</b> | <b>0</b> | <b>0</b> | <b>7,500,000</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>8,357,000</b> |



CONCEPTUAL RENDERING - MILL ROAD  
**DURHAM FIRE DEPARTMENT**  
 14 MARCH 2011



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                                     | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13    | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20    | FY 21 |
|--------------|-------------------------------------|-------------------------|--------------|-------|----------|-------|-------|-------|-------|-------|-------|----------|-------|
| Project Name | Assistant Chief Vehicle Replacement |                         |              |       |          |       |       |       |       |       |       |          |       |
| Department   | Fire Department                     |                         | Mandated     |       |          |       |       |       |       |       |       |          |       |
| Division     | Fire Maintenance                    |                         | Council Goal |       | <b>X</b> |       |       |       |       |       |       | <b>X</b> |       |
| Location     | Fire Department                     |                         | Dept. Goal   |       |          |       |       |       |       |       |       |          |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Administration Car 2 is assigned to the Assistant Chief of the department and is utilized for incident command. The vehicle should be replaced with a comparable vehicle.

**RATIONALE: (Cost/Benefit Analysis)**

After six years of front line service the vehicles are not suitable for emergency operations and would be better suited to be reassigned to the town fleet of support vehicles. Repair costs and reliability as emergency vehicles make it necessary to replace these vehicles. This vehicle will be passed down to the Fire Prevention Officer.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

During the first three years of operation, the operating budget is impacted in a positive way while the vehicles major components are under warranty. General maintenance and gasoline costs remain unchanged.

**FINANCIAL PLAN**

|                      | PRIOR | FY12 | FY13   | FY14 | FY15 | FY16 | FY17 | FY18 | FY19 | FY20 | FY21   | TOTAL  |
|----------------------|-------|------|--------|------|------|------|------|------|------|------|--------|--------|
| <b>EXPENDITURES:</b> |       |      |        |      |      |      |      |      |      |      |        |        |
| Pre-Design           |       |      |        |      |      |      |      |      |      |      |        | 0      |
| Design               |       |      |        |      |      |      |      |      |      |      |        | 0      |
| Purch/Const.         |       |      | 50,000 |      |      |      |      |      |      |      | 47,000 | 97,000 |
| <b>TOTAL</b>         | 0     | 0    | 50,000 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 47,000 | 97,000 |
| <b>FUNDING:</b>      |       |      |        |      |      |      |      |      |      |      |        |        |
| Operating Rev.       |       |      |        |      |      |      |      |      |      |      |        | 0      |
| Capital Reserve      |       |      | 50,000 |      |      |      |      |      |      |      | 47,000 | 97,000 |
| Bond                 |       |      |        |      |      |      |      |      |      |      |        | 0      |
| Federal              |       |      |        |      |      |      |      |      |      |      |        | 0      |
| State                |       |      |        |      |      |      |      |      |      |      |        | 0      |
| UNH                  |       |      |        |      |      |      |      |      |      |      |        | 0      |
| Trade In             |       |      |        |      |      |      |      |      |      |      |        | 0      |
| Other                |       |      |        |      |      |      |      |      |      |      |        | 0      |
| <b>TOTAL</b>         | 0     | 0    | 50,000 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 47,000 | 97,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                                    | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|------------------------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Upgrade to Web Based Software - FH |                         |              |       |       |       |       |       |       |       |       |       |       |
| Department   | Fire Department                    |                         | Mandated     |       | X     |       |       |       |       |       |       |       |       |
| Division     | Administration                     |                         | Council Goal |       |       |       |       |       |       |       |       |       |       |
| Location     | DFD                                |                         | Dept. Goal   | X     |       |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

The current software program used is accessed in the office and is a basic program. We are hoping to upgrade to the Web Based Software that will allow us to enter inspections on site or incidents in real time as they occur. The amount requested is for the installation and implementation of the software. A yearly fee will be charged on the upkeep to the server.

**RATIONALE: (Cost/Benefit Analysis)**

While out for a routine inspection of a building or responding to a call, whether a fire, vehicle accident or medical aid, we would be able to record data in real time. This also alleviates the need for excess paper work and data entry by several persons.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

Currently our software has an annual maintenance fee of \$625. This will increase to \$2,700 as the software will be hosted by the Firehouse server.

**FINANCIAL PLAN**

|                      | PRIOR    | FY12     | FY13          | FY14     | FY15     | FY16     | FY17     | FY18     | FY19     | FY20     | FY21     | TOTAL         |
|----------------------|----------|----------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|---------------|
| <b>EXPENDITURES:</b> |          |          |               |          |          |          |          |          |          |          |          |               |
| Pre-Design           |          |          |               |          |          |          |          |          |          |          |          | 0             |
| Design               |          |          |               |          |          |          |          |          |          |          |          | 0             |
| Purch/Const.         |          |          | 25,000        |          |          |          |          |          |          |          |          | 25,000        |
| <b>TOTAL</b>         | <b>0</b> | <b>0</b> | <b>25,000</b> | <b>0</b> | <b>25,000</b> |
| <b>FUNDING:</b>      |          |          |               |          |          |          |          |          |          |          |          |               |
| Operating Rev.       |          |          |               |          |          |          |          |          |          |          |          | 0             |
| Capital Reserve      |          |          | 25,000        |          |          |          |          |          |          |          |          | 25,000        |
| Bond                 |          |          |               |          |          |          |          |          |          |          |          | 0             |
| Federal              |          |          |               |          |          |          |          |          |          |          |          | 0             |
| State                |          |          |               |          |          |          |          |          |          |          |          | 0             |
| UNH                  |          |          |               |          |          |          |          |          |          |          |          | 0             |
| Trade In             |          |          |               |          |          |          |          |          |          |          |          | 0             |
| Other                |          |          |               |          |          |          |          |          |          |          |          | 0             |
| <b>TOTAL</b>         | <b>0</b> | <b>0</b> | <b>25,000</b> | <b>0</b> | <b>25,000</b> |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                  | MASTER PLAN INFORMATION | PROJECT NEED | FY 12    | FY 13    | FY 14 | FY 15 | FY 16    | FY 17 | FY 18 | FY 19 | FY 20    | FY 21 |
|--------------|------------------|-------------------------|--------------|----------|----------|-------|-------|----------|-------|-------|-------|----------|-------|
| Project Name | Radio Upgrades   |                         |              |          |          |       |       |          |       |       |       |          |       |
| Department   | Fire Department  |                         | Mandated     |          |          |       |       |          |       |       |       |          |       |
| Division     | Fire Suppression |                         | Council Goal |          | <b>X</b> |       |       | <b>X</b> |       |       |       | <b>X</b> |       |
| Location     | Fire Department  |                         | Dept. Goal   | <b>X</b> |          |       |       |          |       |       |       |          |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

To upgrade portable, mobile and transmit radio system.

**RATIONALE: (Cost/Benefit Analysis)**

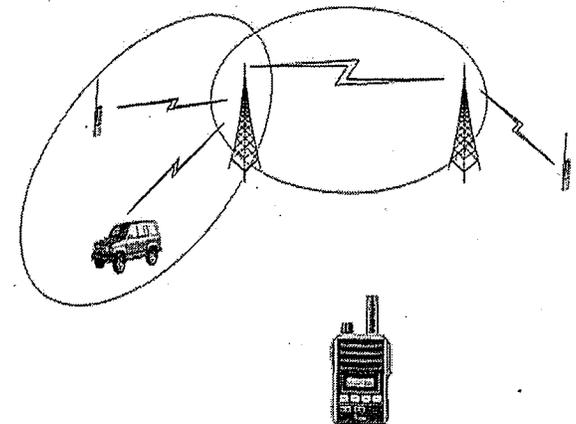
In 2006 through a Homeland Security Grant the Town of Durham received portable radios and mobile units. At this time we need to start replacing these units a few at a time as some of these units have been damaged. This will also keep us updated with technology and not cause a large amount of money at one point to be expended to replace the entire amount of equipment.

In FY20 we are also looking to improve our radio transmit system which was upgraded to allow for better penetration into buildings in our in-town area. When we made this change to the system we dramatically reduced the transmission of our radio outside the town of Durham. What that means is our employees who we rely on for emergency callback do not receive the transmissions as they did before. We are looking to add a repeater system at either Beech Hill or the Strafford County Courthouse; this will increase our radio communications.

**OPERATING BUDGET IMPACT:** (Include how this may impact other Departments and expected future maintenance costs)

**FINANCIAL PLAN**

|                      | PRIOR | FY12 | FY13   | FY14 | FY15 | FY16   | FY17 | FY18 | FY19 | FY20    | FY21 | TOTAL   |
|----------------------|-------|------|--------|------|------|--------|------|------|------|---------|------|---------|
| <b>EXPENDITURES:</b> |       |      |        |      |      |        |      |      |      |         |      |         |
| Pre-Design           |       |      |        |      |      |        |      |      |      |         |      | 0       |
| Design               |       |      |        |      |      |        |      |      |      |         |      | 0       |
| Purch/Const.         |       |      | 40,000 |      |      | 15,000 |      |      |      | 250,000 |      | 305,000 |
| <b>TOTAL</b>         | 0     | 0    | 40,000 | 0    | 0    | 15,000 | 0    | 0    | 0    | 250,000 | 0    | 305,000 |
| <b>FUNDING:</b>      |       |      |        |      |      |        |      |      |      |         |      |         |
| Operating Rev.       |       |      |        |      |      |        |      |      |      |         |      | 0       |
| Capital Reserve      |       |      | 40,000 |      |      | 15,000 |      |      |      | 250,000 |      | 305,000 |
| Bond                 |       |      |        |      |      |        |      |      |      |         |      | 0       |
| Federal              |       |      |        |      |      |        |      |      |      |         |      | 0       |
| State                |       |      |        |      |      |        |      |      |      |         |      | 0       |
| UNH                  |       |      |        |      |      |        |      |      |      |         |      | 0       |
| Trade In             |       |      |        |      |      |        |      |      |      |         |      | 0       |
| Other                |       |      |        |      |      |        |      |      |      |         |      | 0       |
| <b>TOTAL</b>         | 0     | 0    | 40,000 | 0    | 0    | 15,000 | 0    | 0    | 0    | 250,000 | 0    | 305,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                                | MASTER PLAN INFORMATION | PROJECT NEED | FY12 | FY13 | FY14 | FY15 | FY16 | FY17 | FY18 | FY19 | FY 20 | FY21 |
|--------------|--------------------------------|-------------------------|--------------|------|------|------|------|------|------|------|------|-------|------|
| Project Name | Water Rescue Vehicles Purchase |                         |              |      |      |      |      |      |      |      |      |       |      |
| Department   | Fire Department                |                         | Mandated     |      | X    |      |      |      |      |      |      |       |      |
| Division     | Fire Suppression               |                         | Council Goal |      |      |      |      |      |      |      |      |       |      |
| Location     | 51 College Road                |                         | Dept. Goal   | X    |      |      |      |      |      |      |      |       |      |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

The Durham Fire Department proposes the purchase of two Water Rescue vehicles for the purpose of water related rescues and incident response.

**RATIONALE: (Cost/Benefit Analysis)**

The water rescue program for the Town of Durham is now land based. This means all of our rescue operations occur from shore. Increased hazard and risk are created for firefighters that are required to swim from shore and there is no opportunity for back-up if something goes wrong. Additionally, our department has participated in four years of training with personal water craft in order to partake in the Yamaha's Law Loan program. With a generous donation we were able to purchase a trailer and water rescue equipment for this program (still in stock) which eventually ran out of funding and is no longer available.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

Minimal routine maintenance costs that are not covered by a warranty.

**FINANCIAL PLAN**

|                      | PRIOR    | FY12     | FY13          | FY14     | FY15     | FY16     | FY17     | FY18     | FY19     | FY20     | FY21     | TOTAL         |
|----------------------|----------|----------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|---------------|
| <b>EXPENDITURES:</b> |          |          |               |          |          |          |          |          |          |          |          |               |
| Pre-Design           |          |          |               |          |          |          |          |          |          |          |          | 0             |
| Design               |          |          |               |          |          |          |          |          |          |          |          | 0             |
| Purch/Const.         |          |          | 28,000        |          |          |          |          |          |          |          |          | 28,000        |
| <b>TOTAL</b>         | <b>0</b> | <b>0</b> | <b>28,000</b> | <b>0</b> | <b>28,000</b> |
| <b>FUNDING:</b>      |          |          |               |          |          |          |          |          |          |          |          |               |
| Operating Rev.       |          |          |               |          |          |          |          |          |          |          |          | 0             |
| Capital Reserve      |          |          | 28,000        |          |          |          |          |          |          |          |          | 28,000        |
| Bond                 |          |          |               |          |          |          |          |          |          |          |          | 0             |
| Federal              |          |          |               |          |          |          |          |          |          |          |          | 0             |
| State                |          |          |               |          |          |          |          |          |          |          |          | 0             |
| UNH                  |          |          |               |          |          |          |          |          |          |          |          | 0             |
| Trade In             |          |          |               |          |          |          |          |          |          |          |          | 0             |
| Other                |          |          |               |          |          |          |          |          |          |          |          | 0             |
| <b>TOTAL</b>         | <b>0</b> | <b>0</b> | <b>28,000</b> | <b>0</b> | <b>28,000</b> |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                      | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY21 |
|--------------|----------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Project Name | Engine 2 Replacement |                         |              |       |       |       |       |       |       |       |       |       |      |
| Department   | Fire Department      |                         | Mandated     |       |       |       |       |       |       |       |       |       |      |
| Division     | Fire Maintenance     |                         | Council Goal |       |       | X     |       |       |       |       |       |       |      |
| Location     | 51 College Road      |                         | Dept. Goal   | X     |       |       |       |       |       |       |       |       |      |
|              |                      |                         |              |       |       |       |       |       |       |       |       |       |      |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Replace Engine 2, a 1990 Emergency One Cyclone, with a new "First Due" pumper.

**RATIONALE: (Cost/Benefit Analysis)**

The current Engine 2 would then be downgraded to a reserve pumper to be used when either the first-due or second-due pumpers are out of service or assigned to a large scale, prolonged emergency incident. This will save the community the maintenance/repair costs and, most importantly, the replacement cost of a large piece of fire apparatus. This makes it vital not to try to make the existing two engines last longer than they should. Attempting to do so makes the risk or sudden mechanical breakdown more possible and leaves the community without adequate fire apparatus.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

Although there will be an expected moderate impact on the maintenance budget, the cost savings will be realized in the long run.

**FINANCIAL PLAN**

|                      | PRIOR | FY12 | FY13 | FY14    | FY15 | FY16 | FY17 | FY18 | FY19 | FY20 | FY21 | TOTAL   |
|----------------------|-------|------|------|---------|------|------|------|------|------|------|------|---------|
| <b>EXPENDITURES:</b> |       |      |      |         |      |      |      |      |      |      |      |         |
| Pre-Design           |       |      |      |         |      |      |      |      |      |      |      | 0       |
| Design               |       |      |      |         |      |      |      |      |      |      |      | 0       |
| Purch/Const.         |       |      |      | 600,000 |      |      |      |      |      |      |      | 600,000 |
| <b>TOTAL</b>         | 0     | 0    | 0    | 600,000 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 600,000 |
| <b>FUNDING:</b>      |       |      |      |         |      |      |      |      |      |      |      |         |
| Operating Rev.       |       |      |      |         |      |      |      |      |      |      |      | 0       |
| Capital Reserve      |       |      |      |         |      |      |      |      |      |      |      | 0       |
| Bond                 |       |      |      | 300,000 |      |      |      |      |      |      |      | 300,000 |
| Federal              |       |      |      |         |      |      |      |      |      |      |      | 0       |
| State                |       |      |      |         |      |      |      |      |      |      |      | 0       |
| UNH                  |       |      |      | 300,000 |      |      |      |      |      |      |      | 300,000 |
| Trade In             |       |      |      |         |      |      |      |      |      |      |      | 0       |
| Other                |       |      |      |         |      |      |      |      |      |      |      | 0       |
| <b>TOTAL</b>         | 0     | 0    | 0    | 600,000 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 600,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

| Project Name           | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|------------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Hurst Tool Replacement |                         |              |       |       |       |       |       |       |       |       |       |       |
| Department             | Fire Department         | Mandated     |       |       |       |       |       |       |       |       |       |       |
| Division               | Fire Maintenance        | Council Goal |       |       | X     |       |       |       |       |       |       |       |
| Location               | Fire Department         | Dept. Goal   |       |       | X     |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Replace all components of the Hurst tool including a primary power unit, back up power unit, cutters, spreaders and hydraulic rams that are stored on Rescue 1. Our current set is tested annually for function and hydraulic leaks, however, there is not an available test for fatigue of the components. These tools are subjected to all kinds of forces as they cut, pry and push apart cars in order to extricate victims from motor vehicle accidents. The intention of this purchase is to put these tools onto a fixed fifteen year life expectancy to maintain a high level of safety and reliability.

**RATIONALE: (Cost/Benefit Analysis)**

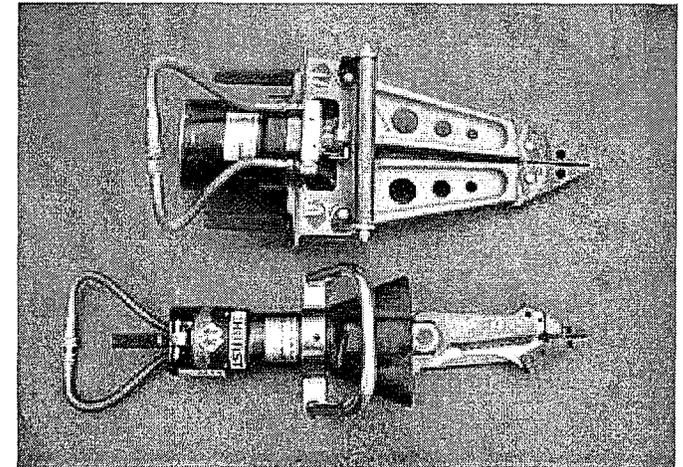
Of the current tools three are 25 years old - 1985 two rams and a spreader. Four are 10 years old - 2000 primary power unit, ram and 2 combi tools. One is six years old - 2004 back up power unit. The newest piece of equipment is three years old - 2007 Cutter. Except for the newest cutter the tools are not strong enough to handle some of today's vehicles with stronger metals. Replacing the whole set would allow us to get tools with greater cutting, spreading and pushing forces.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

This replacement would allow us the opportunity to consider switching brands to standardize with the Amkus tools on the engine received by the Police Department under a grant. Some of the benefits that could come from this include reduced maintenance costs. Amkus provides all routine services with a maintenance contract. If we wanted to save even more costs, we could potentially send a firefighter to training to reduce the annual testing costs.

**FINANCIAL PLAN**

|                      | PRIOR | FY12 | FY13 | FY14   | FY15 | FY16 | FY17 | FY18 | FY19 | FY20 | FY21 | TOTAL  |
|----------------------|-------|------|------|--------|------|------|------|------|------|------|------|--------|
| <b>EXPENDITURES:</b> |       |      |      |        |      |      |      |      |      |      |      |        |
| Pre-Design           |       |      |      |        |      |      |      |      |      |      |      | 0      |
| Design               |       |      |      |        |      |      |      |      |      |      |      | 0      |
| Purch/Const.         |       |      |      | 50,000 |      |      |      |      |      |      |      | 50,000 |
| <b>TOTAL</b>         | 0     | 0    | 0    | 50,000 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 50,000 |
| <b>FUNDING:</b>      |       |      |      |        |      |      |      |      |      |      |      |        |
| Operating Rev.       |       |      |      |        |      |      |      |      |      |      |      | 0      |
| Capital Reserve      |       |      |      | 50,000 |      |      |      |      |      |      |      | 50,000 |
| Bond                 |       |      |      |        |      |      |      |      |      |      |      | 0      |
| Federal              |       |      |      |        |      |      |      |      |      |      |      | 0      |
| State                |       |      |      |        |      |      |      |      |      |      |      | 0      |
| UNH                  |       |      |      |        |      |      |      |      |      |      |      | 0      |
| Trade In             |       |      |      |        |      |      |      |      |      |      |      | 0      |
| Other                |       |      |      |        |      |      |      |      |      |      |      | 0      |
| <b>TOTAL</b>         | 0     | 0    | 0    | 50,000 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 50,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                                | MASTER PLAN INFORMATION | PROJECT NEED | FY 12    | FY 13 | FY 14    | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |  |
|--------------|--------------------------------|-------------------------|--------------|----------|-------|----------|-------|-------|-------|-------|-------|-------|-------|--|
| Project Name | Vehicle Air Bag Lifts Purchase |                         |              |          |       |          |       |       |       |       |       |       |       |  |
| Department   | Fire Department                |                         | Mandated     |          |       |          |       |       |       |       |       |       |       |  |
| Division     | Fire Maintenance               |                         | Council Goal |          |       | <b>X</b> |       |       |       |       |       |       |       |  |
| Location     | Fire Department                |                         | Dept. Goal   |          |       |          |       |       |       |       |       |       |       |  |
|              |                                |                         |              | <b>X</b> |       |          |       |       |       |       |       |       |       |  |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Purchase Air Bags to replace our current air bags purchased in 1996. Air bags are used for lifting vehicles off a person or can be used in farm machinery or industrial entrapment and building collapse rescues. When these airbags are used firefighters are often required to work under the heavy loads they are holding.

**RATIONALE: (Cost/Benefit Analysis)**

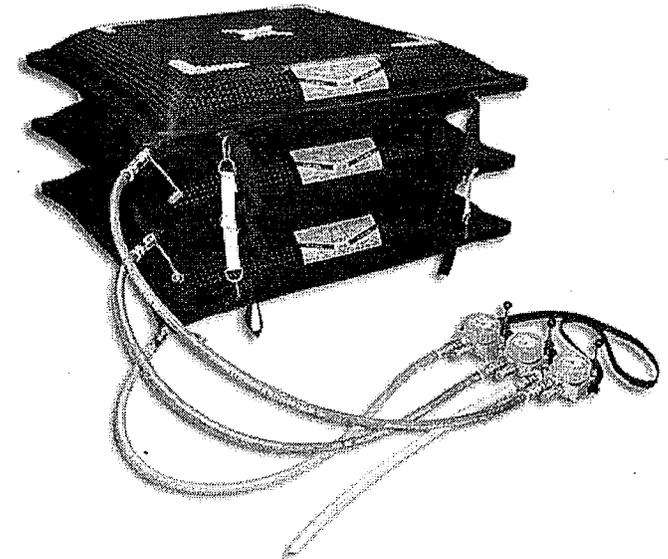
Although these air bags are tested annually, they are subjected to large amounts of stress lifting objects up to 32 tons. These forces can create areas of fatigue that cannot be seen. The intention of this purchase is to begin replacing the air bags on a fixed lifetime of 15 years to maintain a high level of safety. 10 - 15 years is the manufacturers recommendation.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

The impact of this purchase would come in the form of prevented failures, prevented injuries and those related costs.

**FINANCIAL PLAN**

|                      | PRIOR | FY12 | FY13 | FY14   | FY15 | FY16 | FY17 | FY18 | FY19 | FY20 | FY21 | TOTAL  |
|----------------------|-------|------|------|--------|------|------|------|------|------|------|------|--------|
| <b>EXPENDITURES:</b> |       |      |      |        |      |      |      |      |      |      |      |        |
| Pre-Design           |       |      |      |        |      |      |      |      |      |      |      | 0      |
| Design               |       |      |      |        |      |      |      |      |      |      |      | 0      |
| Purch/Const.         |       |      |      | 10,000 |      |      |      |      |      |      |      | 10,000 |
| <b>TOTAL</b>         | 0     | 0    | 0    | 10,000 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 10,000 |
| <b>FUNDING:</b>      |       |      |      |        |      |      |      |      |      |      |      |        |
| Operating Rev.       |       |      |      |        |      |      |      |      |      |      |      | 0      |
| Capital Reserve      |       |      |      | 10,000 |      |      |      |      |      |      |      | 10,000 |
| Bond                 |       |      |      |        |      |      |      |      |      |      |      | 0      |
| Federal              |       |      |      |        |      |      |      |      |      |      |      | 0      |
| State                |       |      |      |        |      |      |      |      |      |      |      | 0      |
| UNH                  |       |      |      |        |      |      |      |      |      |      |      | 0      |
| Trade In             |       |      |      |        |      |      |      |      |      |      |      | 0      |
| Other                |       |      |      |        |      |      |      |      |      |      |      | 0      |
| <b>TOTAL</b>         | 0     | 0    | 0    | 10,000 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 10,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                        | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|------------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Engine 1 Refurbishment |                         |              |       |       |       |       |       |       |       |       |       |       |
| Department   | Fire Department        |                         | Mandated     |       |       |       |       |       |       |       |       |       |       |
| Division     | Fire Maintenance       |                         | Council Goal |       |       |       | X     |       |       |       |       |       |       |
| Location     | 51 College Road        |                         | Dept. Goal   | X     |       |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Refurbishment of Engine 1, the 2000 American LaFrance Eagle Pumper.

**RATIONALE: (Cost/Benefit Analysis)**

In keeping with our commitment to extend the useful life of our major fire apparatus and as a result, the most value to the community, we plan for a partial refurbishment of all major pieces of fire apparatus at the mid-point of their estimated 25 year life span.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

We can expect to see maintenance costs for this unit drop significantly after the refurbishment.

**FINANCIAL PLAN**

|                      | PRIOR | FY12 | FY13 | FY14 | FY15    | FY16 | FY17 | FY18 | FY19 | FY20 | FY21 | TOTAL   |
|----------------------|-------|------|------|------|---------|------|------|------|------|------|------|---------|
| <b>EXPENDITURES:</b> |       |      |      |      |         |      |      |      |      |      |      |         |
| Pre-Design           |       |      |      |      |         |      |      |      |      |      |      | 0       |
| Design               |       |      |      |      |         |      |      |      |      |      |      | 0       |
| Purch/Const.         |       |      |      |      | 200,000 |      |      |      |      |      |      | 200,000 |
| <b>TOTAL</b>         | 0     | 0    | 0    | 0    | 200,000 | 0    | 0    | 0    | 0    | 0    | 0    | 200,000 |
| <b>FUNDING:</b>      |       |      |      |      |         |      |      |      |      |      |      |         |
| Operating Rev.       |       |      |      |      |         |      |      |      |      |      |      | 0       |
| Capital Reserve      |       |      |      |      | 200,000 |      |      |      |      |      |      | 200,000 |
| Bond                 |       |      |      |      |         |      |      |      |      |      |      | 0       |
| Federal              |       |      |      |      |         |      |      |      |      |      |      | 0       |
| State                |       |      |      |      |         |      |      |      |      |      |      | 0       |
| UNH                  |       |      |      |      |         |      |      |      |      |      |      | 0       |
| Trade In             |       |      |      |      |         |      |      |      |      |      |      | 0       |
| Other                |       |      |      |      |         |      |      |      |      |      |      | 0       |
| <b>TOTAL</b>         | 0     | 0    | 0    | 0    | 200,000 | 0    | 0    | 0    | 0    | 0    | 0    | 200,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                                  | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |   |
|--------------|----------------------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|
| Project Name | Deputy Chief Vehicle Replacement |                         |              |       |       |       |       |       |       |       |       |       |       |   |
| Department   | Fire Department                  |                         | Mandated     |       |       |       |       | X     |       |       |       | X     |       |   |
| Division     | Fire Maintenance                 |                         | Council Goal |       |       |       |       |       |       |       |       |       |       |   |
| Location     | Fire Department                  |                         | Dept. Goal   |       |       |       |       |       |       |       |       |       |       | X |
|              |                                  |                         |              |       |       |       |       |       |       |       |       |       |       |   |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Prevention Car 3 is assigned to the Deputy Chief of the department and is utilized for incident command. The vehicle should be replaced with a comparable vehicle.

**RATIONALE: (Cost/Benefit Analysis)**

After eight years of front line service the vehicles are not suitable for emergency operations and would be better suited to be reassigned to the town fleet of support vehicles. Repair costs and reliability as emergency vehicles make it necessary to replace these vehicles.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

During the first three years of operation, the operating budget is impacted in a positive way while the vehicles major components are under warranty. General maintenance and gasoline costs remain unchanged.

**FINANCIAL PLAN**

|                      | PRIOR | FY12 | FY13 | FY14 | FY15 | FY16   | FY17 | FY18 | FY19 | FY20 | FY21 | TOTAL  |
|----------------------|-------|------|------|------|------|--------|------|------|------|------|------|--------|
| <b>EXPENDITURES:</b> |       |      |      |      |      |        |      |      |      |      |      |        |
| Pre-Design           |       |      |      |      |      |        |      |      |      |      |      | 0      |
| Design               |       |      |      |      |      |        |      |      |      |      |      | 0      |
| Purch/Const.         |       |      |      |      |      | 45,000 |      |      |      |      |      | 45,000 |
| <b>TOTAL</b>         | 0     | 0    | 0    | 0    | 0    | 45,000 | 0    | 0    | 0    | 0    | 0    | 45,000 |
| <b>FUNDING:</b>      |       |      |      |      |      |        |      |      |      |      |      |        |
| Operating Rev.       |       |      |      |      |      |        |      |      |      |      |      | 0      |
| Capital Reserve      |       |      |      |      |      | 45,000 |      |      |      |      |      | 45,000 |
| Bond                 |       |      |      |      |      |        |      |      |      |      |      | 0      |
| Federal              |       |      |      |      |      |        |      |      |      |      |      | 0      |
| State                |       |      |      |      |      |        |      |      |      |      |      | 0      |
| UNH                  |       |      |      |      |      |        |      |      |      |      |      | 0      |
| Trade In             |       |      |      |      |      |        |      |      |      |      |      | 0      |
| Other                |       |      |      |      |      |        |      |      |      |      |      | 0      |
| <b>TOTAL</b>         | 0     | 0    | 0    | 0    | 0    | 45,000 | 0    | 0    | 0    | 0    | 0    | 45,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                                    | MASTER PLAN INFORMATION | PROJECT NEED | FY 12    | FY 13 | FY 14 | FY 15 | FY 16 | FY 17    | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|------------------------------------|-------------------------|--------------|----------|-------|-------|-------|-------|----------|-------|-------|-------|-------|
| Project Name | Confined Space Trailer Replacement |                         |              |          |       |       |       |       |          |       |       |       |       |
| Department   | Fire Department                    |                         | Mandated     |          |       |       |       |       |          |       |       |       |       |
| Division     | Fire Suppression                   |                         | Council Goal |          |       |       |       |       | <b>X</b> |       |       |       |       |
| Location     | Fire Department                    |                         | Dept. Goal   | <b>X</b> |       |       |       |       |          |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

The current trailer carries all of the department's specialized rescue gear for high angle and below grade rescues, trench rescue, woodland searches, etc. It contains tools, ropes, harnesses, tripods, shoring equipment, etc. The trailer can be towed behind the forestry or medic truck to a location as needed.

**RATIONALE: (Cost/Benefit Analysis)**

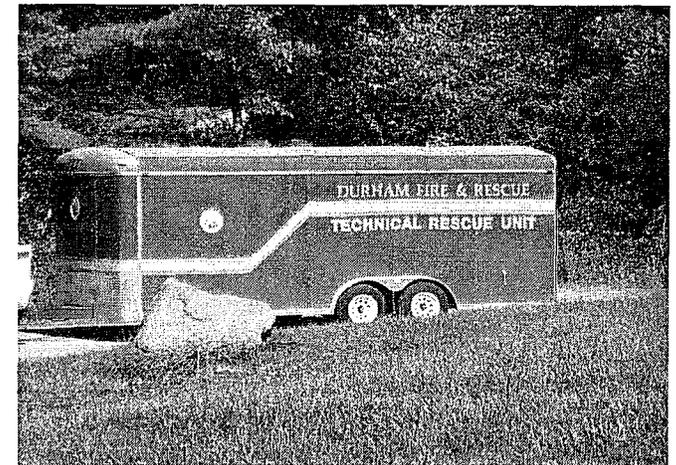
This item is crucial to us performing as a stand-by rescue team for confined space entries, as well as allowing us flexibility with other emergencies. The interior of the vehicle has not been adequately upgraded since its original configuration.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

Maintenance is a minimum and consists of standard preventive vehicle maintenance.

**FINANCIAL PLAN**

|                      | PRIOR | FY12 | FY13 | FY14 | FY15 | FY16   | FY17 | FY18 | FY19 | FY20 | FY21 | TOTAL  |
|----------------------|-------|------|------|------|------|--------|------|------|------|------|------|--------|
| <b>EXPENDITURES:</b> |       |      |      |      |      |        |      |      |      |      |      |        |
| Pre-Design           |       |      |      |      |      |        |      |      |      |      |      | 0      |
| Design               |       |      |      |      |      |        |      |      |      |      |      | 0      |
| Purch/Const.         |       |      |      |      |      | 50,000 |      |      |      |      |      | 50,000 |
| <b>TOTAL</b>         | 0     | 0    | 0    | 0    | 0    | 50,000 | 0    | 0    | 0    | 0    | 0    | 50,000 |
| <b>FUNDING:</b>      |       |      |      |      |      |        |      |      |      |      |      |        |
| Operating Rev.       |       |      |      |      |      |        |      |      |      |      |      | 0      |
| Capital Reserve      |       |      |      |      |      | 50,000 |      |      |      |      |      | 50,000 |
| Bond                 |       |      |      |      |      |        |      |      |      |      |      | 0      |
| Federal              |       |      |      |      |      |        |      |      |      |      |      | 0      |
| State                |       |      |      |      |      |        |      |      |      |      |      | 0      |
| UNH                  |       |      |      |      |      |        |      |      |      |      |      | 0      |
| Trade In             |       |      |      |      |      |        |      |      |      |      |      | 0      |
| Other                |       |      |      |      |      |        |      |      |      |      |      | 0      |
| <b>TOTAL</b>         | 0     | 0    | 0    | 0    | 0    | 50,000 | 0    | 0    | 0    | 0    | 0    | 50,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                     | MASTER PLAN INFORMATION | PROJECT NEED | FY 12    | FY 13 | FY 14 | FY 15 | FY 16 | FY 17    | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|---------------------|-------------------------|--------------|----------|-------|-------|-------|-------|----------|-------|-------|-------|-------|
| Project Name | Medic 1 Replacement |                         |              |          |       |       |       |       |          |       |       |       |       |
| Department   | Fire Department     |                         | Mandated     |          |       |       |       |       |          |       |       |       |       |
| Division     | Fire Maintenance    |                         | Council Goal |          |       |       |       |       | <b>X</b> |       |       |       |       |
| Location     | Fire Department     |                         | Dept. Goal   | <b>X</b> |       |       |       |       |          |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

To replace the 2009 truck with a similar one-ton Heavy Duty pick up truck outfitted to be used as a medical response vehicle, equipped with emergency warning systems and two-way radio.

**RATIONALE: (Cost/Benefit Analysis)**

This is the Fire Department's primary response vehicle used with paramedic level of care. To insure reliability in emergency responses where advanced life support and life saving equipment is needed it is necessary to replace this vehicle on a 10 year schedule.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

During the first three years of operation, the operating budget is impacted in a positive way while the vehicles major components are under warranty. General maintenance and gasoline costs remain unchanged.

**FINANCIAL PLAN**

|                      | PRIOR | FY12 | FY13 | FY14 | FY15 | FY16    | FY17    | FY 18 | FY 19 | FY 20 | FY21 | TOTAL   |
|----------------------|-------|------|------|------|------|---------|---------|-------|-------|-------|------|---------|
| <b>EXPENDITURES:</b> |       |      |      |      |      |         |         |       |       |       |      |         |
| Pre-Design           |       |      |      |      |      |         |         |       |       |       |      | 0       |
| Design               |       |      |      |      |      |         |         |       |       |       |      | 0       |
| Purch/Const.         |       |      |      |      |      | 100,000 |         |       |       |       |      | 100,000 |
| <b>TOTAL</b>         | 0     | 0    | 0    | 0    | 0    | 0       | 100,000 | 0     | 0     | 0     | 0    | 100,000 |
| <b>FUNDING:</b>      |       |      |      |      |      |         |         |       |       |       |      |         |
| Operating Rev.       |       |      |      |      |      |         |         |       |       |       |      | 0       |
| Capital Reserve      |       |      |      |      |      | 100,000 |         |       |       |       |      | 100,000 |
| Bond                 |       |      |      |      |      |         |         |       |       |       |      | 0       |
| Federal              |       |      |      |      |      |         |         |       |       |       |      | 0       |
| State                |       |      |      |      |      |         |         |       |       |       |      | 0       |
| UNH                  |       |      |      |      |      |         |         |       |       |       |      | 0       |
| Trade In             |       |      |      |      |      |         |         |       |       |       |      | 0       |
| Other                |       |      |      |      |      |         |         |       |       |       |      | 0       |
| <b>TOTAL</b>         | 0     | 0    | 0    | 0    | 0    | 0       | 100,000 | 0     | 0     | 0     | 0    | 100,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                                | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|--------------------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Prevention Vehicle Replacement |                         |              |       |       |       |       |       |       |       |       |       |       |
| Department   | Fire Department                |                         | Mandated     |       |       |       |       |       |       |       |       |       |       |
| Division     | Fire Prevention                |                         | Council Goal |       |       |       |       |       | X     |       | X     |       |       |
| Location     | Fire Department                |                         | Dept. Goal   | X     |       |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

The Department proposes to replace the 2007 Ford Explorer passed down to the Fire Inspector in 2017 with a midsize pick up truck like the Chevy Colorado.

**RATIONALE: (Cost/Benefit Analysis)**

The Fire Prevention Bureau is in need of a staff vehicle so the Fire Inspector is able to make daily appointments. The appointments vary in time and location throughout Durham and the University.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

During the first three years of operation, the operating budget is impacted in a positive way while the vehicles major components are under warranty. General maintenance and gasoline costs remain unchanged.

**FINANCIAL PLAN**

|                      | PRIOR | FY12 | FY13 | FY14 | FY15 | FY16 | FY17   | FY18 | FY19 | FY20 | FY21 | TOTAL  |
|----------------------|-------|------|------|------|------|------|--------|------|------|------|------|--------|
| <b>EXPENDITURES:</b> |       |      |      |      |      |      |        |      |      |      |      |        |
| Pre-Design           |       |      |      |      |      |      |        |      |      |      |      | 0      |
| Design               |       |      |      |      |      |      |        |      |      |      |      | 0      |
| Purch/Const.         |       |      |      |      |      |      | 35,000 |      |      |      |      | 35,000 |
| <b>TOTAL</b>         | 0     | 0    | 0    | 0    | 0    | 0    | 35,000 | 0    | 0    | 0    | 0    | 35,000 |
| <b>FUNDING:</b>      |       |      |      |      |      |      |        |      |      |      |      |        |
| Operating Rev.       |       |      |      |      |      |      |        |      |      |      |      | 0      |
| Capital Reserve      |       |      |      |      |      |      | 35,000 |      |      |      |      | 35,000 |
| Bond                 |       |      |      |      |      |      |        |      |      |      |      | 0      |
| Federal              |       |      |      |      |      |      |        |      |      |      |      | 0      |
| State                |       |      |      |      |      |      |        |      |      |      |      | 0      |
| UNH                  |       |      |      |      |      |      |        |      |      |      |      | 0      |
| Trade In             |       |      |      |      |      |      |        |      |      |      |      | 0      |
| Other                |       |      |      |      |      |      |        |      |      |      |      | 0      |
| <b>TOTAL</b>         | 0     | 0    | 0    | 0    | 0    | 0    | 35,000 | 0    | 0    | 0    | 0    | 35,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                           | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|---------------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Forestry Unit Replacement |                         |              |       |       |       |       |       |       |       |       |       |       |
| Department   | Fire Department           |                         | Mandated     |       |       |       |       |       |       |       |       |       |       |
| Division     | Fire Maintenance          |                         | Council Goal |       |       |       |       |       |       |       |       |       |       |
| Location     | Fire Department           |                         | Dept. Goal   | X     |       |       |       |       |       |       |       |       |       |
|              |                           |                         |              |       |       |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Replace Forestry unit after 10 years of service, with a similar vehicle as the Ford F-350 pick up truck. The vehicle is equipped with a portable water tank and necessary components for brush fires.

**RATIONALE: (Cost/Benefit Analysis)**

The rural character of the area makes it necessary to have a reliable vehicle which can be taken off road in rough terrain to fight brush fires.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

During the first three years of operation, the operating budget is impacted in a positive way while the vehicles major components are under warranty. General maintenance and gasoline costs remain unchanged.

**FINANCIAL PLAN**

|                      | PRIOR | FY12 | FY13 | FY14 | FY15 | FY16 | FY17 | FY 18  | FY 19 | FY 20 | FY21 | TOTAL  |
|----------------------|-------|------|------|------|------|------|------|--------|-------|-------|------|--------|
| <b>EXPENDITURES:</b> |       |      |      |      |      |      |      |        |       |       |      |        |
| Pre-Design           |       |      |      |      |      |      |      |        |       |       |      | 0      |
| Design               |       |      |      |      |      |      |      |        |       |       |      | 0      |
| Purch/Const.         |       |      |      |      |      |      |      | 70,000 |       |       |      | 70,000 |
| <b>TOTAL</b>         | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 70,000 | 0     | 0     | 0    | 70,000 |
| <b>FUNDING:</b>      |       |      |      |      |      |      |      |        |       |       |      |        |
| Operating Rev.       |       |      |      |      |      |      |      |        |       |       |      | 0      |
| Capital Reserve      |       |      |      |      |      |      |      | 70,000 |       |       |      | 70,000 |
| Bond                 |       |      |      |      |      |      |      |        |       |       |      | 0      |
| Federal              |       |      |      |      |      |      |      |        |       |       |      | 0      |
| State                |       |      |      |      |      |      |      |        |       |       |      | 0      |
| UNH                  |       |      |      |      |      |      |      |        |       |       |      | 0      |
| Trade In             |       |      |      |      |      |      |      |        |       |       |      | 0      |
| Other                |       |      |      |      |      |      |      |        |       |       |      | 0      |
| <b>TOTAL</b>         | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 70,000 | 0     | 0     | 0    | 70,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                             | MASTER PLAN INFORMATION | PROJECT NEED | FY 12    | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18    | FY 19 | FY 20 | FY 21 |
|--------------|-----------------------------|-------------------------|--------------|----------|-------|-------|-------|-------|-------|----------|-------|-------|-------|
| Project Name | Fire Chiefs Car Replacement |                         |              |          |       |       |       |       |       |          |       |       |       |
| Department   | Fire Department             |                         | Mandated     |          |       |       |       |       |       |          |       |       |       |
| Division     | Fire Administration         |                         | Council Goal |          |       |       |       |       |       | <b>X</b> |       |       |       |
| Location     | Fire Department             |                         | Dept. Goal   | <b>X</b> |       |       |       |       |       |          |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Chief officer vehicle which is utilized for incident command should be replaced with comparable vehicle purchased in 2010.

**RATIONALE: (Cost/Benefit Analysis)**

After eight years of front line service the vehicles are not suitable for emergency operations and would be better suited to be reassigned to the town fleet of support vehicles. Repair costs and reliability as emergency vehicles make it necessary to replace these vehicles.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

During the first three years of operation, the operating budget is impacted in a positive way while the vehicles major components are under warranty. General maintenance and gasoline costs remain unchanged.

**FINANCIAL PLAN**

|                      | PRIOR | FY12 | FY13 | FY14 | FY15 | FY16 | FY17 | FY18   | FY19 | FY20 | FY21 | TOTAL  |
|----------------------|-------|------|------|------|------|------|------|--------|------|------|------|--------|
| <b>EXPENDITURES:</b> |       |      |      |      |      |      |      |        |      |      |      |        |
| Pre-Design           |       |      |      |      |      |      |      |        |      |      |      | 0      |
| Design               |       |      |      |      |      |      |      |        |      |      |      | 0      |
| Purch/Const.         |       |      |      |      |      |      |      | 50,000 |      |      |      | 50,000 |
| <b>TOTAL</b>         | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 50,000 | 0    | 0    | 0    | 50,000 |
| <b>FUNDING:</b>      |       |      |      |      |      |      |      |        |      |      |      |        |
| Operating Rev.       |       |      |      |      |      |      |      |        |      |      |      | 0      |
| Capital Reserve      |       |      |      |      |      |      |      | 50,000 |      |      |      | 50,000 |
| Bond                 |       |      |      |      |      |      |      |        |      |      |      | 0      |
| Federal              |       |      |      |      |      |      |      |        |      |      |      | 0      |
| State                |       |      |      |      |      |      |      |        |      |      |      | 0      |
| UNH                  |       |      |      |      |      |      |      |        |      |      |      | 0      |
| Trade In             |       |      |      |      |      |      |      |        |      |      |      | 0      |
| Other                |       |      |      |      |      |      |      |        |      |      |      | 0      |
| <b>TOTAL</b>         | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 50,000 | 0    | 0    | 0    | 50,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2022 CIP Project Description**

|              |                           | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|---------------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Defibrillator Replacement |                         |              |       |       |       |       |       |       |       |       |       |       |
| Department   | Fire Department           |                         | Mandated     |       |       |       |       |       |       |       |       |       |       |
| Division     | Fire EMS                  |                         | Council Goal |       |       |       |       |       |       |       |       | X     |       |
| Location     | 51 College Road           |                         | Dept. Goal   | X     |       |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

This Unit will effectively replace a Philips MRX 12-lead Defibrillator that was purchased in 2010. This unit is now directly compatible with the AED's on the UNH campus, which have been switched to the Philips brand as well. This monitor can automatically transmit the 12-lead tracing to five separate locations through Blue-tooth technology, utilizing pre-purchased software that is currently managed on a dedicated DFD server. The color screen on the monitor provides for real-time viewing of all 12 leads, allowing for verification of all lead tracings. Additionally, the unit conducts a self-test of most operating electronics contained within, assuring that the machine is always ready to go, and quickly indicates any detected mechanical/electrical problem with the unit.

**RATIONALE: (Cost/Benefit Analysis)**

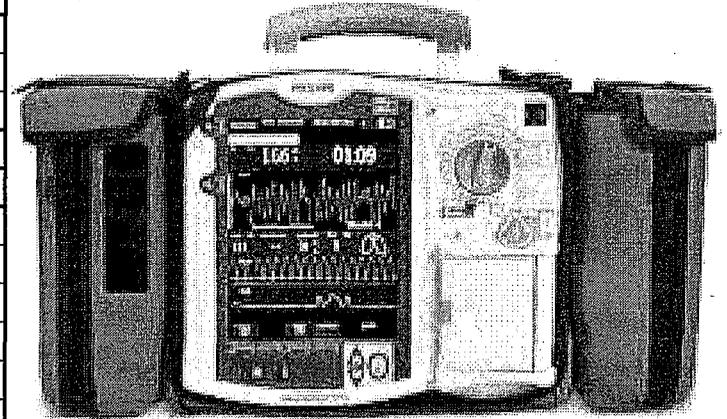
The Philips MRX 12-lead Defibrillator was purchased in 2010, replacing the out-dated Lifepak 12 by medtronic. DFD personnel have used this equipment extensively in the field and are impressed with its performance. This unit has eliminated the need for multiple spare batteries and a separate battery charger unit as well. In addition to a yearly maintenance fee, there is a discounted purchase plan in place for the associated disposable items.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

There may be a change in the yearly maintenance fee and/or disposable supplies.

**FINANCIAL PLAN**

|                      | PRIOR    | FY12     | FY13     | FY14     | FY15     | FY16     | FY17     | FY18     | FY19     | FY20          | FY21     | TOTAL         |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------------|----------|---------------|
| <b>EXPENDITURES:</b> |          |          |          |          |          |          |          |          |          |               |          |               |
| Pre-Design           |          |          |          |          |          |          |          |          |          |               |          | 0             |
| Design               |          |          |          |          |          |          |          |          |          |               |          | 0             |
| Purch/Const.         |          |          |          |          |          |          |          |          |          | 40,000        |          | 40,000        |
| <b>TOTAL</b>         | <b>0</b> | <b>40,000</b> | <b>0</b> | <b>40,000</b> |
| <b>FUNDING:</b>      |          |          |          |          |          |          |          |          |          |               |          |               |
| Operating Rev.       |          |          |          |          |          |          |          |          |          |               |          | 0             |
| Capital Reserve      |          |          |          |          |          |          |          |          |          | 40,000        |          | 40,000        |
| Bond                 |          |          |          |          |          |          |          |          |          |               |          | 0             |
| Federal              |          |          |          |          |          |          |          |          |          |               |          | 0             |
| State                |          |          |          |          |          |          |          |          |          |               |          | 0             |
| UNH                  |          |          |          |          |          |          |          |          |          |               |          | 0             |
| Trade In             |          |          |          |          |          |          |          |          |          |               |          | 0             |
| Other                |          |          |          |          |          |          |          |          |          |               |          | 0             |
| <b>TOTAL</b>         | <b>0</b> | <b>40,000</b> | <b>0</b> | <b>40,000</b> |



## 2012-2021 CAPITAL IMPROVEMENTS PROGRAM

| Description                                    | Rank | 2012      | Rank | 2013      | Rank | 2014    | Rank | 2015    | Rank | 2016    | Rank | 2017    | Rank | 2018    | Rank | 2019    | Rank | 2020    | Rank | 2021    |
|--|------|-----------|------|-----------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|
| <b>Public Works - Operations Division</b>      |      |           |      |           |      |         |      |         |      |         |      |         |      |         |      |         |      |         |      |         |
| Road Resurfacing                               | 1    | 455,487   | 1    | 458,153   | 1    | 375,516 | 1    | 415,453 | 1    | 425,647 | 1    | 365,017 | 1    | 425,402 | 1    | 488,457 | 1    | 326,672 | 1    | 427,034 |
| Roadway Sweeper Replacement                    | 2    | 175,000   |      |           |      |         |      |         |      |         |      |         |      |         |      |         |      |         |      |         |
| Dump Truck Replacement                         | 3    | 165,000   | 2    | 168,000   | 2    | 171,000 | 2    | 174,000 | 2    | 177,000 |      |         |      |         | 2    | 186,000 |      |         |      |         |
| Pettee Brook Lane Corridor - Phase II          | 4    | 75,000    |      |           |      |         |      |         |      |         |      |         |      |         |      |         |      |         |      |         |
| Sidewalk Snow Tractor Replacement              | 5    | 55,960    |      |           |      |         |      |         |      |         |      |         |      |         |      |         |      |         |      |         |
| Downtown Parking Lot Paving                    | 6    | 34,550    |      |           |      |         |      |         |      |         |      |         |      |         |      |         |      |         |      |         |
| Edgewood Road Sidewalk Replacement             | 7    | 28,890    |      |           |      |         |      |         |      |         |      |         |      |         |      |         |      |         |      |         |
| Main Street Railroad Bridge Rehab              | 8    | 19,500    |      |           |      |         |      |         |      |         |      |         |      |         |      |         |      |         |      |         |
| Bennett Road Culvert                           | 9    | 800,000   |      |           |      |         |      |         |      |         |      |         |      |         |      |         |      |         |      |         |
| Longmarsh Road Culvert Engineering/Replacement | 10   | 51,000    | 8    | 765,000   |      |         |      |         |      |         |      |         |      |         |      |         |      |         |      |         |
| Crommets Creek Bridge Repair                   | 11   | 49,000    | 3    | 359,000   |      |         |      |         |      |         |      |         |      |         |      |         |      |         |      |         |
| Culvert & Outfalls Improvements Program        | 12   | 118,000   | 6    | 92,220    | 3    | 139,060 | 3    | 149,515 | 3    | 92,696  | 2    | 95,877  | 2    | 92,355  | 3    | 89,114  | 2    | 97,207  |      |         |
| Stormwater Management System Improvements      | 13   | 58,934    | 7    | 60,000    | 4    | 57,400  | 4    | 56,343  | 4    | 59,656  | 3    | 55,223  | 3    | 58,120  | 4    | 57,060  | 3    | 10,000  |      |         |
| Coe Drive Sidewalk                             |      |           | 4    | 60,800    |      |         |      |         |      |         |      |         |      |         |      |         |      |         |      |         |
| One-Half Ton Pickup Truck Replacement          |      |           | 5    | 18,500    |      |         |      |         |      |         |      |         |      |         |      |         |      |         |      |         |
|  |      |           |      |           |      |         |      |         |      |         |      |         |      |         |      |         |      |         |      |         |
| <b>PW - OPERATIONS TOTALS</b>                  |      | 2,086,321 |      | 1,981,673 |      | 742,976 |      | 795,311 |      | 754,999 |      | 516,117 |      | 575,877 |      | 820,631 |      | 433,879 |      | 427,034 |

**TOWN OF DURHAM, NEW HAMPSHIRE**  
**2012 - 2021 CIP Project Description**

|              |                  |  |              |       |       |       |       |       |       |       |       |       |       |
|--------------|------------------|--|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Road Resurfacing | MASTER PLAN INFORMATION<br><br><b>Chapter 6<br/>Section 6.40</b> | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
| Department   | Public Works     |  | Mandated     |       |       |       |       |       |       |       |       |       |       |
| Division     | Operations       |  | Council Goal | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     |
| Location     | Various          |  | Dept. Goal   | X     |       |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

See attached 2012-2028 Pavement Plan. The 2012 Program will include Bagdad Road (1st half), Magrath Road, Oyster River Road, Pettee Brook Lane, Sunnyside Drive, Valentine Hill Road, Willey Road and Wiswall Road Phase 1. The scope of work will include a combination of 1" shim and overlay on some roads and full depth reclamation of others.

**RATIONALE: (Cost/Benefit Analysis)**

Good roadway infrastructure is critical especially with New England weather. Good roads promote Town pride and economic stimulation. The Department of Public Works has a comprehensive sixteen year plan. This program is designed to provide treatment for every road in town every fourteen-sixteen years. Durham Public Works recommends the road program to be the highest priority project every year.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

The program is designed to invest approximately \$400,000 per year. State block grant funds are estimated at \$255,000 annually for the next few years. The more investment in a solid resurfacing program, the less time spent on smaller maintenance items (i.e.. crack filling, pot hole patching) and personnel time to accomplish these tasks.

| FINANCIAL PLAN       |                |                |                |                |                |                |                |                |                |                |                |                  | 2012-PAVEMENT PLAN |                |         |                 |                |      |               |  |  |  |  |
|----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|--------------------|----------------|---------|-----------------|----------------|------|---------------|--|--|--|--|
|                      | PRIOR          | FY 12          | FY 13          | FY 14          | FY 15          | FY 16          | FY 17          | FY 18          | FY 19          | FY 20          | FY 21          | TOTAL            | ROAD NAME          | TREATMENT TYPE | MILEAGE | DISTANCE (FEET) | LAST TREATMENT | COST |               |  |  |  |  |
| <b>EXPENDITURES:</b> |                |                |                |                |                |                |                |                |                |                |                |                  |                    |                |         |                 |                |      |               |  |  |  |  |
| Pre-Design           |                |                |                |                |                |                |                |                |                |                |                | 0                |                    |                |         |                 |                |      |               |  |  |  |  |
| Design               |                |                |                |                |                |                |                |                |                |                |                | 0                |                    |                |         |                 |                |      |               |  |  |  |  |
| Purch/Const.         | 417,917        | 455,487        | 458,153        | 375,516        | 415,453        | 425,647        | 365,017        | 425,402        | 488,457        | 326,672        | 427,034        | 4,580,755        |                    |                |         |                 |                |      |               |  |  |  |  |
| <b>TOTAL</b>         | <b>417,917</b> | <b>455,487</b> | <b>458,153</b> | <b>375,516</b> | <b>415,453</b> | <b>425,647</b> | <b>365,017</b> | <b>425,402</b> | <b>488,457</b> | <b>326,672</b> | <b>427,034</b> | <b>4,580,755</b> |                    |                |         |                 |                |      |               |  |  |  |  |
| <b>FUNDING:</b>      |                |                |                |                |                |                |                |                |                |                |                |                  |                    |                |         |                 |                |      |               |  |  |  |  |
| Operating Rev.       |                |                |                | 375,516        | 415,453        | 425,647        | 365,017        | 425,402        | 488,457        | 326,672        | 427,034        | 3,249,198        |                    |                |         |                 |                |      |               |  |  |  |  |
| Capital Reserve      |                |                |                |                |                |                |                |                |                |                |                | 0                |                    |                |         |                 |                |      |               |  |  |  |  |
| Bond                 | 417,917        | 455,487        | 458,153        |                |                |                |                |                |                |                |                | 1,331,557        |                    |                |         |                 |                |      |               |  |  |  |  |
| Federal              |                |                |                |                |                |                |                |                |                |                |                | 0                |                    |                |         |                 |                |      |               |  |  |  |  |
| State                |                |                |                |                |                |                |                |                |                |                |                | 0                |                    |                |         |                 |                |      |               |  |  |  |  |
| UNH                  |                |                |                |                |                |                |                |                |                |                |                | 0                |                    |                |         |                 |                |      |               |  |  |  |  |
| Trade In             |                |                |                |                |                |                |                |                |                |                |                | 0                |                    |                |         |                 |                |      |               |  |  |  |  |
| Other                |                |                |                |                |                |                |                |                |                |                |                | 0                |                    |                |         |                 |                |      |               |  |  |  |  |
| <b>TOTAL</b>         | <b>417,917</b> | <b>455,487</b> | <b>458,153</b> | <b>375,516</b> | <b>415,453</b> | <b>425,647</b> | <b>365,017</b> | <b>425,402</b> | <b>488,457</b> | <b>326,672</b> | <b>427,034</b> | <b>4,580,755</b> |                    |                |         |                 |                |      |               |  |  |  |  |
|                      |                |                |                |                |                |                |                |                |                |                |                |                  |                    |                | 2.96    | SUBTOTAL        |                |      | \$ 455,487.00 |  |  |  |  |

# DURHAM 2012-2028 ROAD PROGRAM

INCLUDES 3% ANNUAL COST INCREASES

## 2012-PAVEMENT PLAN

| ROAD NAME              | TREATMENT TYPE     | MILEAGE | DISTANCE (FEET) | LAST TREATMENT | COST          |
|------------------------|--------------------|---------|-----------------|----------------|---------------|
| BAGDAD ROAD (1ST HALF) | 1" OL              | 0.63    | 3322            | 1992           | \$ 77,796.00  |
| MAGRATH ROAD           | RECLAIM + 3"       | 0.16    | 844             | 1992           | \$ 25,200.00  |
| OYSTER RIVER ROAD      | 1" OL              | 0.42    | 2217            | 1994           | \$ 42,360.00  |
| PETTEE BROOK LANE      | 1" OL              | 0.20    | 1100            | 1991           | \$ 23,056.00  |
| SUNNYSIDE DRIVE        | RECLAIM + 37 1" OL | 0.41    | 2165            | 1993           | \$ 62,753.00  |
| VALENTINE HILL ROAD    | 1" OL              | 0.14    | 729             | 1996           | \$ 17,027.00  |
| WILLEY ROAD            | RECLAIM + 3"       | 0.30    | 1595            | 1995           | \$ 63,800.00  |
| WISWALL ROAD PHASE I   | RECLAIM + 3"       | 0.7     | 3678            | 1994           | \$ 143,495.00 |
| 2.96 SUBTOTAL          |                    |         |                 |                | \$ 455,487.00 |

## 2013-PAVEMENT PLAN

| ROAD NAME             | TREATMENT TYPE | MILEAGE | DISTANCE (FEET) | YEAR TREATMENT | COST          |
|-----------------------|----------------|---------|-----------------|----------------|---------------|
| BAGDAD RD (2ND HALF)  | 1" OL          | 0.63    | 3323            | 1992           | \$ 80,130.00  |
| BEECH HILL ROAD       | 1" OL          | 0.13    | 692             | 1980           | \$ 16,598.00  |
| BRIARWOOD LANE        | 1" OL          | 0.09    | 500             | 1989           | \$ 7,577.00   |
| COE DRIVE             | 1" OL          | 0.70    | 3625            | 1996           | \$ 96,599.00  |
| GARDEN LANE           | 1" OL          | 0.35    | 1848            | 1992           | \$ 35,459.00  |
| GRIFFITH DRIVE        | 1" OL          | 0.33    | 1745            | 1989           | \$ 33,491.00  |
| HOTT DRIVE            | 1" OL          | 0.16    | 844             | 1994           | \$ 16,193.00  |
| PENDEXTER ROAD        | 1" OL          | 0.41    | 2170            | 1988           | \$ 4,636.00   |
| PINECREST LANE        | 1" OL          | 0.79    | 4197            | 1995           | \$ 82,632.00  |
| WISWALL ROAD PHASE II | RECLAIM + 3"   | 0.35    | 1840            | 1994           | \$ 73,900.00  |
| WOODSIDE DRIVE        | 1" OL          | 0.11    | 580             | 1987           | \$ 10,548.00  |
| 4.40 SUBTOTAL         |                |         |                 |                | \$ 458,153.00 |

## 2014-PAVEMENT PLAN

| ROAD NAME          | TREATMENT TYPE | MILEAGE | DISTANCE (FEET) | YEAR TREATMENT | COST          |
|--------------------|----------------|---------|-----------------|----------------|---------------|
| BAYVIEW ROAD       | 1" OL          | 0.19    | 1010            | 1996           | \$ 16,570.00  |
| BEARDS LANDING     | 1" OL          | 0.14    | 739             | 1996           | \$ 12,123.00  |
| BUNKER LANE        | 1" OL          | 0.06    | 316             | 1995           | \$ 5,183.00   |
| CUTTS ROAD         | 1" OL          | 0.50    | 2620            | 1995           | \$ 51,583.00  |
| DENBOW ROAD        | 1" OL          | 0.44    | 2303            | 1995           | \$ 48,495.00  |
| DENNISON ROAD      | 1" OL          | 0.28    | 1482            | 1985           | \$ 45,256.00  |
| FROST DRIVE        | 1" OL          | 0.81    | 4298            | 1995           | \$ 84,620.00  |
| LITTLEHALE ROAD    | 1" OL          | 0.28    | 1500            | 1993           | \$ 29,532.00  |
| STONE QUARRY DRIVE | 1" OL          | 0.29    | 1535            | 1996           | \$ 32,528.00  |
| TIMBER BROOK LANE  | 1" OL          | 0.09    | 465             | 1994           | \$ 8,155.00   |
| YOUNG DRIVE        | 1" OL          | 0.24    | 1243            | 1995           | \$ 24,473.00  |
| 3.32 SUBTOTAL      |                |         |                 |                | \$ 357,516.00 |

## 2015-PAVEMENT PLAN

| ROAD NAME           | TREATMENT TYPE | MILEAGE | DISTANCE (FEET) | YEAR TREATMENT | COST          |
|---------------------|----------------|---------|-----------------|----------------|---------------|
| CEDAR POINT ROAD    | 1" OL          | 0.12    | 550             | 1992           | \$ 11,798.00  |
| GARRISON AVENUE     | 1" OL          | 0.28    | 1478            | 1989           | \$ 32,674.00  |
| HAMPSHIRE AVENUE    | 1" OL          | 0.25    | 1297            | 1996           | \$ 32,221.00  |
| LUNDY LANE          | 1" OL          | 0.10    | 522             | 1996           | \$ 10,538.00  |
| MAIN STREET         | 1" OL          | 0.80    | 4230            | 2008           | \$ 105,492.00 |
| OLD LANDING ROAD    | 1" OL          | 0.25    | 1270            | 1985           | \$ 25,868.00  |
| OLD PISCATAQUA ROAD | 1" OL          | 0.27    | 1410            | 1985           | \$ 29,917.00  |
| SCOTLAND ROAD       | 1" OL          | 0.08    | 414             | 1995           | \$ 8,257.00   |
| SIMONS LANE         | 1" OL          | 0.43    | 2281            | 1996           | \$ 48,050.00  |
| STROUT LANE         | 1" OL          | 0.13    | 665             | 1996           | \$ 11,186.00  |
| SURREY LANE         | 1" OL          | 0.70    | 3696            | 1990           | \$ 75,174.00  |
| TOM HALL ROAD       | 1" OL          | 0.08    | 441             | 1996           | \$ 4,450.00   |
| WOOD ROAD           | 1" OL          | 0.16    | 861             | 1996           | \$ 21,728.00  |
| 3.65 SUBTOTAL       |                |         |                 |                | \$ 415,453.00 |

## 2016-PAVEMENT PLAN

| ROAD NAME                | TREATMENT TYPE | MILEAGE | DISTANCE (FEET) | YEAR TREATMENT | COST          |
|--------------------------|----------------|---------|-----------------|----------------|---------------|
| DURHAM POINT RD. (SOUTH) | RECLAIM + 3"   | 1.98    | 10480           | 1986           | \$ 425,647.00 |
| 1.98 SUBTOTAL            |                |         |                 |                | \$ 425,647.00 |

## 2017-PAVEMENT PLAN

| ROAD NAME             | TREATMENT TYPE | MILEAGE | DISTANCE (FEET) | YEAR TREATMENT | COST          |
|-----------------------|----------------|---------|-----------------|----------------|---------------|
| CANNEY ROAD           | 1" OL          | 0.73    | 3865            | 1999           | \$ 81,900.00  |
| COLONY COVE ROAD      | 1" OL          | 0.40    | 2111            | 2000           | \$ 37,276.00  |
| COWELL DRIVE          | 1" OL          | 0.16    | 840             | 1998           | \$ 18,541.00  |
| EDGERLY-GARRISON RD.  | 1" OL          | 0.38    | 2000            | 2000           | \$ 44,148.00  |
| GLASSFORD LANE        | 1" OL          | 0.09    | 475             | 1998           | \$ 8,388.00   |
| SANDY BROOK DRIVE (B) | 1" OL          | 0.58    | 3067            | 1990           | \$ 81,239.00  |
| SAUER TERRACE         | 1" OL          | 0.06    | 326             | 1998           | \$ 5,756.00   |
| SCHOOLHOUSE LANE      | 1" OL          | 0.16    | 834             | 2001           | \$ 17,671.00  |
| SPINNEY LANE          | 1" OL          | 0.16    | 870             | 1999           | \$ 15,362.00  |
| WATSON ROAD           | 1" OL          | 0.26    | 1380            | 2001           | \$ 29,240.00  |
| NOBEL K. PETERSON DR. | 1" OL          | 0.19    | 1000            | 1999           | \$ 22,500.00  |
| 3.17 SUBTOTAL         |                |         |                 |                | \$ 382,017.00 |

## 2018-PAVEMENT PLAN

| ROAD NAME          | TREATMENT TYPE | MILEAGE | DISTANCE (FEET) | YEAR TREATMENT | COST          |
|--------------------|----------------|---------|-----------------|----------------|---------------|
| ELLISON LANE       | 1" OL          | 0.10    | 539             | 2001           | \$ 9,742.00   |
| HAMEL DRIVE        | 1" OL          | 0.11    | 579             | 2001           | \$ 12,558.00  |
| PACKERS FALLS ROAD | 1" OL          | 3.09    | 16320           | 2001           | \$ 353,905.00 |
| PALMER DRIVE       | 1" OL          | 0.20    | 1051            | 2001           | \$ 22,796.00  |
| YORK DRIVE         | 1" OL          | 0.23    | 1213            | 2001           | \$ 28,311.00  |
| 3.73 SUBTOTAL      |                |         |                 |                | \$ 425,402.00 |

## 2019-PAVEMENT PLAN

| ROAD NAME     | TREATMENT TYPE | MILEAGE | DISTANCE (FEET) | YEAR TREATMENT | COST          |
|---------------|----------------|---------|-----------------|----------------|---------------|
| BENNETT ROAD  | 1" OL          | 1.69    | 8,923           | 2002           | \$ 199,414.00 |
| MILL ROAD     | 1" OL          | 2.48    | 13,070          | 2002           | \$ 290,043.00 |
| 4.17 SUBTOTAL |                |         |                 |                | \$ 489,457.00 |

## 2020-PAVEMENT PLAN

| ROAD NAME             | TREATMENT TYPE | MILEAGE | DISTANCE (FEET) | YEAR TREATMENT | COST          |
|-----------------------|----------------|---------|-----------------|----------------|---------------|
| CARRIAGE WAY          | 1" OL          | 0.23    | 1214            | 2003           | \$ 27,548.00  |
| MEADOW ROAD           | 1" OL          | 0.16    | 855             | 2003           | \$ 19,401.00  |
| ROSEMARY LANE         | 1" OL          | 0.10    | 547             | 2003           | \$ 12,412.00  |
| SANDY BROOK DRIVE (A) | 1" OL          | 0.80    | 4198            | 2005           | \$ 98,762.00  |
| SULLIVAN FALLS ROAD   | 1" OL          | 0.28    | 1475            | 2003           | \$ 33,470.00  |
| TECHNOLOGY DRIVE      | 1" OL          | 0.39    | 2057            | 2003           | \$ 46,676.00  |
| THOMPSON LANE         | 1" OL          | 0.29    | 1532            | 2006           | \$ 40,852.00  |
| WORTHORN ROAD         | 1" OL          | 0.39    | 2048            | 2004           | \$ 47,551.00  |
| 2.64 SUBTOTAL         |                |         |                 |                | \$ 326,672.00 |

## 2021-PAVEMENT PLAN

| ROAD NAME       | TREATMENT TYPE | MILEAGE | DISTANCE (FEET) | YEAR TREATMENT | COST          |
|-----------------|----------------|---------|-----------------|----------------|---------------|
| BARLETT ROAD    | 1" OL          | 0.26    | 1381            | 2004           | \$ 32,029.00  |
| EDGEWOOD ROAD   | 1" OL          | 0.85    | 4510            | 2002           | \$ 104,598.00 |
| FOGG DRIVE      | 1" OL          | 0.39    | 2040            | 2004           | \$ 47,312.00  |
| FOGG LANE       | 1" OL          | 0.04    | 211             | 2004           | \$ 4,892.00   |
| MERSERVE ROAD   | 1" OL          | 0.33    | 1716            | 2004           | \$ 39,789.00  |
| MOHARINET WAY   | 1" OL          | 0.10    | 525             | 2004           | \$ 12,174.00  |
| RIVERVIEW ROAD  | 1" OL          | 0.58    | 2956            | 2004           | \$ 68,556.00  |
| RIVERVIEW COURT | 1" OL          | 0.07    | 369             | 2004           | \$ 8,556.00   |
| WOODRIDGE ROAD  | 1" OL          | 0.89    | 4700            | 2004           | \$ 109,128.00 |
| 3.49 SUBTOTAL   |                |         |                 |                | \$ 427,034.00 |

## 2022-PAVEMENT PLAN

| ROAD NAME        | TREATMENT TYPE | MILEAGE | DISTANCE (FEET) | YEAR TREATMENT | COST          |
|------------------|----------------|---------|-----------------|----------------|---------------|
| COLD SPRING ROAD | 1" OL          | 0.28    | 1500            | 2005           | \$ 35,288.00  |
| CONSTABLE ROAD   | 1" OL          | 0.15    | 797             | 2005           | \$ 16,749.00  |
| CORSON LANE      | 1" OL          | 0.08    | 400             | 2005           | \$ 8,624.00   |
| FALLS WAY        | 1" OL          | 0.21    | 1094            | 2005           | \$ 25,737.00  |
| FOSS FARM ROAD   | 1" OL          | 0.63    | 3334            | 2005           | \$ 98,044.00  |
| HEMLOCK WAY      | 1" OL          | 0.19    | 1006            | 2005           | \$ 23,666.00  |
| LONGMARSH ROAD   | 1" OL          | 0.57    | 3009            | 2005           | \$ 70,790.00  |
| MAPLE STREET     | 1" OL          | 0.06    | 316             | 2005           | \$ 7,432.00   |
| ORCHARD DRIVE    | 1" OL          | 0.51    | 2698            | 2005           | \$ 63,473.00  |
| RYAN WAY         | 1" OL          | 0.17    | 890             | 2005           | \$ 20,938.00  |
| STEVENS WAY      | 1" OL          | 0.30    | 1568            | 2005.00        | \$ 36,869.00  |
| 3.15 SUBTOTAL    |                |         |                 |                | \$ 409,630.00 |

## 2023-PAVEMENT PLAN

| ROAD NAME       | TREATMENT TYPE | MILEAGE | DISTANCE (FEET) | YEAR TREATMENT | COST          |
|-----------------|----------------|---------|-----------------|----------------|---------------|
| ADAMS CIRCLE    | 1" OL          | 0.16    | 844             | 2006           | \$ 18,129.00  |
| CHESLEY DRIVE   | 1" OL          | 0.09    | 485             | 2006           | \$ 8,333.00   |
| FACULTY ROAD    | 1" OL          | 0.31    | 1635            | 2006           | \$ 28,099.00  |
| FARCHILD DRIVE  | 1" OL          | 0.22    | 1161            | 2006           | \$ 24,940.00  |
| KELSEY DRIVE    | 1" OL          | 0.30    | 1585            | 2006           | \$ 27,239.00  |
| LAUREL LANE     | 1" OL          | 0.53    | 2820            | 2006           | \$ 87,789.00  |
| MEADER LANE     | 1" OL          | 0.14    | 750             | 2006           | \$ 12,889.00  |
| PARK COURT      | 1" OL          | 0.10    | 526             | 2006           | \$ 9,037.00   |
| ROCKY LANE      | 1" OL          | 0.11    | 581             | 2006           | \$ 9,984.00   |
| ROSS ROAD       | 1" OL          | 1.12    | 5914            | 2006           | \$ 97,402.00  |
| STAGECOACH ROAD | 1" OL          | 0.35    | 1843            | 2006           | \$ 59,054.00  |
| TALL PINES ROAD | 1" OL          | 0.42    | 2218            | 2006           | \$ 56,822.00  |
| 3.85 SUBTOTAL   |                |         |                 |                | \$ 438,516.00 |

## 2024-PAVEMENT PLAN

| ROAD NAME            | TREATMENT TYPE | MILEAGE | DISTANCE (FEET) | YEAR TREATMENT | COST          |
|----------------------|----------------|---------|-----------------|----------------|---------------|
| BRITTON LANE         | 1" OL          | 0.13    | 650             | 2009           | \$ 12,140.00  |
| BURNHAM AVENUE       | 1" OL          | 0.19    | 1020            | 2007           | \$ 35,713.00  |
| DURHAM PT RD. (WEST) | 1" OL          | 1.98    | 10400           | 2007           | \$ 173,527.00 |
| SPRUCE WOOD LANE     | 1" OL          | 0.12    | 545             | 2005           | \$ 11,879.00  |
| 2.42 SUBTOTAL        |                |         |                 |                | \$ 233,259.00 |

## 2025-PAVEMENT PLAN

| ROAD NAME        | TREATMENT TYPE | MILEAGE | DISTANCE (FEET) | YEAR TREATMENT | COST          |
|------------------|----------------|---------|-----------------|----------------|---------------|
| AMBLER WAY       | 1" OL          | 0.45    | 2390            | 2008           | \$ 21,213.00  |
| DEER MEADOW ROAD | 1" OL          | 1.00    | 5270            | 2008           | \$ 38,932.00  |
| FOX HILL ROAD    | 1" OL          | 0.36    | 1906            | 2008           | \$ 74,322.00  |
| GERRISH DRIVE    | 1" OL          | 0.20    | 1054            | 2008           | \$ 37,091.00  |
| LANGLEY ROAD     | 1" OL          | 0.61    | 3226            | 2008           | \$ 108,918.00 |
| MORGAN WAY       | 1" OL          | 0.25    | 1320            | 2008           | \$ 21,916.00  |
| TIRRELL PLACE    | 1" OL          | 0.14    | 739             | 2008           | \$ 12,658.00  |
| WILLIAMS WAY     | 1" OL          | 0.25    | 1336            | 2008           | \$ 22,476.00  |
| 2.81 SUBTOTAL    |                |         |                 |                | \$ 337,526.00 |

## 2026-PAVEMENT PLAN

| ROAD NAME     | TREATMENT TYPE | MILEAGE | DISTANCE (FEET) | YEAR TREATMENT | COST          |
|---------------|----------------|---------|-----------------|----------------|---------------|
| MADBURY ROAD  | 1" OL          | 1.31    | 6900            | 2009           | \$ 266,000.00 |
| 1.31 SUBTOTAL |                |         |                 |                | \$ 266,000.00 |

## 2027-PAVEMENT PLAN

| ROAD NAME           | TREATMENT TYPE | MILEAGE | DISTANCE (FEET) | YEAR TREATMENT | COST          |
|---------------------|----------------|---------|-----------------|----------------|---------------|
| BACK RIVER ROAD     | 1" OL          | 0.65    | 3440            | 2011           | \$ 119,418.00 |
| MILL POND ROAD      | 1" OL          | 0.53    | 2809            | 2010           | \$ 99,277.00  |
| STRAFFORD AVENUE    | 1" OL          | 0.34    | 1800            | 2010           | \$ 49,782.00  |
| WEDNESDAY HILL ROAD | RECLAIM + 3"   | 0.45    | 2382            | 2010           | \$ 115,100.00 |
| 1.97 SUBTOTAL       |                |         |                 |                | \$ 383,667.00 |

## 2028-PAVEMENT PLAN

| ROAD NAME        | TREATMENT TYPE | MILEAGE | DISTANCE (FEET) | LAST TREATMENT | COST         |
|------------------|----------------|---------|-----------------|----------------|--------------|
| BUCKS HILL ROAD  | 1" OL          | 0.58    | 3062            | 2011           | \$ 95,535.00 |
| CORMORANT CIRCLE | 1" OL          | 0.12    |                 |                |              |

**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                 | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13    | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|-----------------|-------------------------|--------------|-------|----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Roadway Sweeper |                         |              | N/A   | Mandated | X     |       |       |       |       |       |       |       |
| Department   | Public Works    | Council Goal            | #7           |       |          |       |       |       |       |       |       |       |       |
| Division     | Operations      | Dept. Goal              | X            |       |          |       |       |       |       |       |       |       |       |
| Location     | DPW Facility    |                         |              |       |          |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Replace 2002 Elgin Pelican Roadway Mobile Sweeper. The current equipment program calls for the replacement of this equipment every ten years or sooner depending on wear and tear. This equipment operates on a daily basis including every Sunday.

**RATIONALE: (Cost/Benefit Analysis)**

The DPW sweeps urban area streets frequently during the Spring, Summer and Fall seasons. The DPW sweeps downtown streets 2-3 times per week and all streets twice per year. The sweeper is also used to clean up parking lots, winter sand, storm damage, and after special events. In addition the new Durham Storm Water II Permit from the USEPA requires the Town to sweep its urban zones on a documented regular basis to decrease the amount of debris collections in our storm water system from the run off along Town streets.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

The department will be trading in the old unit. No impact to other departments foreseen, future costs for maintenance will rise without replacement. DPW chooses to buy this simple type of sweeper, most sweepers have many more "bells & whistles" such as a rejuvenated air system.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12   | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL   |
|----------------------|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| <b>EXPENDITURES:</b> |       |         |       |       |       |       |       |       |       |       |       |         |
| Pre-Design           |       |         |       |       |       |       |       |       |       |       |       | 0       |
| Design               |       |         |       |       |       |       |       |       |       |       |       | 0       |
| Purch/Const.         |       | 175,000 |       |       |       |       |       |       |       |       |       | 175,000 |
| <b>TOTAL</b>         |       |         | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 175,000 |
| <b>FUNDING:</b>      |       |         |       |       |       |       |       |       |       |       |       |         |
| Operating Rev.       |       |         |       |       |       |       |       |       |       |       |       | 0       |
| Capital Reserve      |       |         |       |       |       |       |       |       |       |       |       | 0       |
| Bond                 |       | 170,000 |       |       |       |       |       |       |       |       |       | 170,000 |
| Federal              |       |         |       |       |       |       |       |       |       |       |       | 0       |
| State                |       |         |       |       |       |       |       |       |       |       |       | 0       |
| UNH                  |       |         |       |       |       |       |       |       |       |       |       | 0       |
| Trade In             |       | 5,000   |       |       |       |       |       |       |       |       |       | 5,000   |
| Other                |       |         |       |       |       |       |       |       |       |       |       | 0       |
| <b>TOTAL</b>         |       | 175,000 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 175,000 |



## TOWN OF DURHAM, NEW HAMPSHIRE

### 2012 - 2021 CIP Project Description

| Project Name            | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |  |
|-------------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Dump Trucks 33,400 GVW  | N/A                     | Mandated     |       |       |       |       |       |       |       |       |       |       |  |
| Department Public Works |                         | Council Goal | X     | X     | X     | X     | X     |       |       | X     |       |       |  |
| Division Operations     |                         | Dept. Goal   |       |       | X     |       |       |       |       |       |       |       |  |
| Location DPW Facility   |                         |              |       |       |       |       |       |       |       |       |       |       |  |

### PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

**DESCRIPTION:**

We will be purchasing a 33,400 LB GVW (Gross Vehicle Weight) dump truck with flow body, side wing and front plow. This will replace Truck #18, the current 1999 Ford Sterling dump truck with a new more cost efficient vehicle. Truck #18 was originally scheduled to be replaced in 2011, but was moved out in the schedule to 2012. Unfortunately, due to the delay, the price of materials (metals) has increased substantially, contributing to the higher price as budgeted today.

**RATIONALE: (Cost/Benefit Analysis)**

Public Works has six 33,400 LB GVW dump trucks that are placed on a 10-12 year replacement schedule. These dump trucks operate up to 8 hours per day 4- 5 days a week and comprise the front line snow removal equipment for all Town roads. The Town completes all of its snow removal operations in house with this equipment. In 2012 we will trade truck #18 which is a 1999 Ford Sterling. In 2013 we will trade truck #7 which is a 2000 International. In 2014 we will trade truck #1 which is a 2001 International. In 2015 we will trade truck #14 which is a 2002 Ford Sterling. In 2016 we will trade truck #31 which is a 2003 Ford Sterling. Also in 2019 we will trade truck #2 which is a 2007 Ford Sterling.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

New Equipment= Less breakdown and lesser repair costs. The Town has six (6) dump trucks and does all of its snow plowing in house. An industry study of municipal dump trucks revealed a twelve (12) year life expectancy for these vehicles. By having a scheduled replacement program, the operating budget will see relief in the form of : (1) Improvement of procedures regarding safety and policies (2) Reduced personnel time to make large repairs (3) More efficient and expanded services.

#### FINANCIAL PLAN

|                      | PRIOR | FY 12   | FY 13   | FY 14   | FY 15   | FY 16   | FY 17 | FY 18   | FY 19   | FY 20 | FY 21 | TOTAL     |
|----------------------|-------|---------|---------|---------|---------|---------|-------|---------|---------|-------|-------|-----------|
| <b>EXPENDITURES:</b> |       |         |         |         |         |         |       |         |         |       |       |           |
| Pre-Design           |       |         |         |         |         |         |       |         |         |       |       | 0         |
| Design               |       |         |         |         |         |         |       |         |         |       |       | 0         |
| Purch/Const.         |       | 165,000 | 168,000 | 171,000 | 174,000 | 177,000 |       | 186,000 |         |       |       | 1,041,000 |
| <b>TOTAL</b>         |       | 165,000 | 168,000 | 171,000 | 174,000 | 177,000 | 0     | 0       | 186,000 | 0     | 0     | 1,041,000 |
| <b>FUNDING:</b>      |       |         |         |         |         |         |       |         |         |       |       |           |
| Operating Rev.       |       |         |         |         |         |         |       |         |         |       |       |           |
| Capital Reserve      |       |         |         |         |         |         |       |         |         |       |       |           |
| Bond                 |       | 158,000 | 161,000 | 164,000 | 167,000 | 170,000 |       | 179,000 |         |       |       | 999,000   |
| Federal              |       |         |         |         |         |         |       |         |         |       |       |           |
| State                |       |         |         |         |         |         |       |         |         |       |       |           |
| UNH                  |       |         |         |         |         |         |       |         |         |       |       |           |
| Trade In             |       | 7,000   | 7,000   | 7,000   | 7,000   | 7,000   |       | 7,000   |         |       |       | 42,000    |
| Other                |       |         |         |         |         |         |       |         |         |       |       |           |
| <b>TOTAL</b>         | 0     | 165,000 | 168,000 | 171,000 | 174,000 | 177,000 | 0     | 0       | 186,000 | 0     | 0     | 1,041,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2011 - 2020 CIP Project Description**

|              |                                     | MASTER PLAN INFORMATION  | PROJECT NEED    | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|-------------------------------------|--------------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Pettee Brook Lane Corridor Phase II |                          |                 |       |       |       |       |       |       |       |       |       |       |
| Department   | Public Works                        | Chapter 3<br>Section 3.1 | Mandated        | X     |       |       |       |       |       |       |       |       |       |
| Division     | Operations                          |                          | Council Goal #7 |       |       |       |       |       |       |       |       |       |       |
| Location     | Pettee Brook Lane                   |                          | Dept. Goal X    |       |       |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

The second phase of this project will improve sidewalks and lighting along the Pettee Brook Lane corridor. Along with roadway modifications on the north side associated with the new parking program there will also be new bumpouts, a brick crosswalk, new sidewalk, bike lane, landscaping and rehabilitation of existing crosswalks. We also anticipate the installation of new parking kiosks.

**RATIONALE: (Cost/Benefit Analysis)**

Specifically this project includes sections of Pettee Brook Lane from Rosemary Lane to Madbury Road. Currently these areas do not conform with the standards set by the 1999 Main Street Enhancement Project and the 2000 Main Street/Route 108 and UNH Main Street sidewalk improvements. The intention of this project is to improve safety along this corridor through/ with improved street lighting and Americans with Disabilities Act detectable warning devices compliant. The street lighting component was completed in 2011 as part of phase I, retrofitting current decorative fixtures through use of the L.E.D energy efficiency program.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

There will be a small additional amount of traffic painting and snow plowing.

**FINANCIAL PLAN**

|                      | PRIOR         | FY 12         | FY 13    | FY 14    | FY 15    | FY 16    | FY 17    | FY 18    | FY 19    | FY 20    | FY 21    | TOTAL          |
|----------------------|---------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------------|
| <b>EXPENDITURES:</b> |               |               |          |          |          |          |          |          |          |          |          |                |
| Pre-Design           |               |               |          |          |          |          |          |          |          |          |          | 0              |
| Design               |               |               |          |          |          |          |          |          |          |          |          | 0              |
| Purch/Const.         | 76,000        | 75,000        |          |          |          |          |          |          |          |          |          | 151,000        |
| <b>TOTAL</b>         | <b>76,000</b> | <b>75,000</b> | <b>0</b> | <b>151,000</b> |
| <b>FUNDING:</b>      |               |               |          |          |          |          |          |          |          |          |          |                |
| Operating Rev.       |               |               |          |          |          |          |          |          |          |          |          | 0              |
| Capital Reserve      |               |               |          |          |          |          |          |          |          |          |          | 0              |
| Bond                 | 76,000        | 75,000        |          |          |          |          |          |          |          |          |          | 151,000        |
| Federal              |               |               |          |          |          |          |          |          |          |          |          | 0              |
| State                |               |               |          |          |          |          |          |          |          |          |          | 0              |
| UNH                  |               |               |          |          |          |          |          |          |          |          |          | 0              |
| Trade In             |               |               |          |          |          |          |          |          |          |          |          | 0              |
| Other                |               |               |          |          |          |          |          |          |          |          |          | 0              |
| <b>TOTAL</b>         | <b>76,000</b> | <b>75,000</b> | <b>0</b> | <b>151,000</b> |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2010 - 2019 CIP Project Description**

|              |                       |                         |                 |       |       |       |       |       |       |       |       |       |       |
|--------------|-----------------------|-------------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Sidewalk Plow Tractor | MASTER PLAN INFORMATION | PROJECT NEED    | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 20 |
| Department   | Public Works          |                         | Mandated        |       |       |       |       |       |       |       |       |       |       |
| Division     | Operations            |                         | Council Goal #7 | X     |       |       |       |       |       |       |       |       |       |
| Location     | Various               |                         | Dept. Goal X    |       |       |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Replacement of the current 1989 Landini Sidewalk Snow tractor is needed. The new breed of sidewalk tractors are all multi-function with many attachment options such as a snow plow, snow blower, dump body (with sand/ salt spreader), flail boom mower, front broom and mower deck.

**RATIONALE: (Cost/Benefit Analysis)**

In 2011 the DPW requested bids for the replacement of the Landini Sidewalk Plow Tractor. \$69,040 was allocated in the hope of purchasing a used well conditioned tractor. No used bids were included in the bids received. Durham has 14 miles of sidewalks and has always been a walking community. The new sidewalk snow tractor would meet all snow removal, maintenance and de-icing needs. This tractor will also be used during the summer months for misc. projects such as sidewalk sweeping and roadside mowing.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

With a slow market for dependable used tractors DPW will look at a new sidewalk snow plow tractor with a new plow, blower, and sand/salt spreader.

Cost:

2011 Budget- \$69,040

2012 Budget- \$55,960

Total for new tractor: \$125,000

**FINANCIAL PLAN**

|                      | PRIOR         | FY 12         | FY 13    | FY 14    | FY 15    | FY 16    | FY 17    | FY 18    | FY 19    | FY 20    | FY 21    | TOTAL          |
|----------------------|---------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------------|
| <b>EXPENDITURES:</b> |               |               |          |          |          |          |          |          |          |          |          |                |
| Pre-Design           |               |               |          |          |          |          |          |          |          |          |          | 0              |
| Design               |               |               |          |          |          |          |          |          |          |          |          | 0              |
| Purch/Const.         | 69,040        | 55,960        |          |          |          |          |          |          |          |          |          | 125,000        |
| <b>TOTAL</b>         | <b>69,040</b> | <b>55,960</b> | <b>0</b> | <b>125,000</b> |
| <b>FUNDING:</b>      |               |               |          |          |          |          |          |          |          |          |          |                |
| Operating Rev.       |               |               |          |          |          |          |          |          |          |          |          | 0              |
| Capital Reserve      |               |               |          |          |          |          |          |          |          |          |          | 0              |
| Bond                 | 64,940        | 55,960        |          |          |          |          |          |          |          |          |          | 120,900        |
| Federal              |               |               |          |          |          |          |          |          |          |          |          | 0              |
| State                |               |               |          |          |          |          |          |          |          |          |          | 0              |
| UNH                  |               |               |          |          |          |          |          |          |          |          |          | 0              |
| Trade In             | 4,100         |               |          |          |          |          |          |          |          |          |          | 4,100          |
| Other                |               |               |          |          |          |          |          |          |          |          |          | 0              |
| <b>TOTAL</b>         | <b>69,040</b> | <b>55,960</b> | <b>0</b> | <b>125,000</b> |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                               | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13                                  | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|-------------------------------|-------------------------|--------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Downtown Parking Lot Paving   |                         |              | N/A   | Mandated<br>Council Goal<br>Dept. Goal | X     |       |       |       |       |       |       |       |
| Department   | Public Works                  |                         |              |       |  |       |       |       |       |       |       |       |       |
| Division     | Operations                    |                         |              |       |  |       |       |       |       |       |       |       |       |
| Location     | Tedeschi & Permit Parking Lot | X                       |              |       |  |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Asphalt shimming and wearing course applications at the Town leased UNH parking lot at the corner of Madbury Road and Pettee Brook Lane (Tedeschi Lot). Asphalt shimming and wearing course applications at the Permit Parking along Pettee Brook Lane (behind ATO building).

**RATIONALE: (Cost/Benefit Analysis)**

The existing pavement at these two parking lots is 20+ years old and showing severe signs of deterioration. This project will repair deteriorated portions of the lot by applying 1/2" shim, applying a 1" asphalt wearing course over the entire lot, applying traffic control marking per MUTCD standards and this project will be funded by the Parking Impact Fees Fund.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

This project will actually help Town staff members to more efficiently maintain these lots (plowing & sweeping).

**FINANCIAL PLAN**

|                      | PRIOR | FY 12  | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL  |
|----------------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| <b>EXPENDITURES:</b> |       |        |       |       |       |       |       |       |       |       |       |        |
| Pre-Design           |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Design               |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Purch/Const.         |       | 34,550 |       |       |       |       |       |       |       |       |       | 34,550 |
| <b>TOTAL</b>         | 0     | 34,550 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 34,550 |
| <b>FUNDING:</b>      |       |        |       |       |       |       |       |       |       |       |       |        |
| Operating Rev.       |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Capital Reserve      |       | 34,550 |       |       |       |       |       |       |       |       |       | 34,550 |
| Bond                 |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Federal              |       |        |       |       |       |       |       |       |       |       |       | 0      |
| State                |       |        |       |       |       |       |       |       |       |       |       | 0      |
| UNH                  |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Trade In             |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Other                |       |        |       |       |       |       |       |       |       |       |       | 0      |
| <b>TOTAL</b>         | 0     | 34,550 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 34,550 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                        |                         |              |       |       |       |       |       |       |       |       |       |       |
|--------------|------------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Edgewood Road Sidewalk | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
| Department   | Public Works           |                         | Mandated     | X     |       |       |       |       |       |       |       |       |       |
| Division     | Operations             |                         | Council Goal |       | #7    |       |       |       |       |       |       |       |       |
| Location     | Edgewood Road          |                         | Dept. Goal   |       | X     |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Replace existing sidewalk along Edgewood Road that is deteriorating and does not meet ADA standards. This sidewalk is one the most travelled walkways in Durham in terms of daily use.

**RATIONALE: (Cost/Benefit Analysis)**

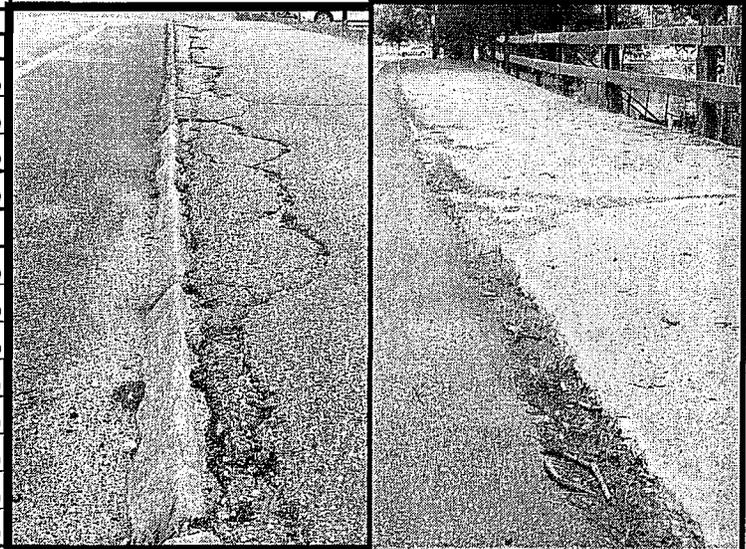
The Edgewood Road sidewalk from Main Street to Madbury Road has multiple layers and levels of asphalt, various heights of granite curbing, poor drainage buffers and deteriorating concrete. Public Works would reuse/recycle all the granite curbing and apply new asphalt surface. This new sidewalk has a life expectancy of 25 years.

- Curb re-set- 2100 ft. @ \$8.00 per ft. = \$16,800
- Crushed gravel/ loam & seed- \$690
- Pave sidewalk- (2100 ft. x 5 ft.) 70 tons @100.00 per ton = \$7,000
- Handwork/ curb patch- (2100 ft. x 1 ft.) 20 tons @ \$140.00 per ton = \$2,800
- Removal/ equipment rental- 1 day @ \$1,600/day = \$1,600
- Total = \$28,890

**OPERATING BUDGET IMPACT:** (Include how this may impact other Departments and expected future maintenance costs)

**FINANCIAL PLAN**

|                      | PRIOR | FY 12  | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL  |
|----------------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| <b>EXPENDITURES:</b> |       |        |       |       |       |       |       |       |       |       |       |        |
| Pre-Design           |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Design               |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Purch/Const.         |       | 28,890 |       |       |       |       |       |       |       |       |       | 28,890 |
| <b>TOTAL</b>         | 0     | 28,890 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 28,890 |
| <b>FUNDING:</b>      |       |        |       |       |       |       |       |       |       |       |       |        |
| Operating Rev.       |       | 28,890 |       |       |       |       |       |       |       |       |       | 28,890 |
| Capital Reserve      |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Bond                 |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Federal              |       |        |       |       |       |       |       |       |       |       |       | 0      |
| State                |       |        |       |       |       |       |       |       |       |       |       | 0      |
| UNH                  |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Trade In             |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Other                |       |        |       |       |       |       |       |       |       |       |       | 0      |
| <b>TOTAL</b>         | 0     | 28,890 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 28,890 |



**TOWN OF DURHAM, NEW HAMPSHIRE**  
**2012 - 2021 CIP Project Description**

|              |                             | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13                                  | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 20 |
|--------------|-----------------------------|-------------------------|--------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Main Street Railroad Bridge |                         |              | N/A   | Mandated<br>Council Goal<br>Dept. Goal | X     |       |       |       |       |       |       |       |
| Department   | Public Works                |                         |              |       |  |       |       |       |       |       |       |       |       |
| Division     | Operations                  |                         |              |       |  |       |       |       |       |       |       |       |       |
| Location     | Main Street                 |                         |              |       |  |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

This project was moved from 2011 to 2012 due to budget cuts. Project includes initial engineering for structural deficiencies of the Main Street Railroad bridge.

**RATIONALE: (Cost/Benefit Analysis)**

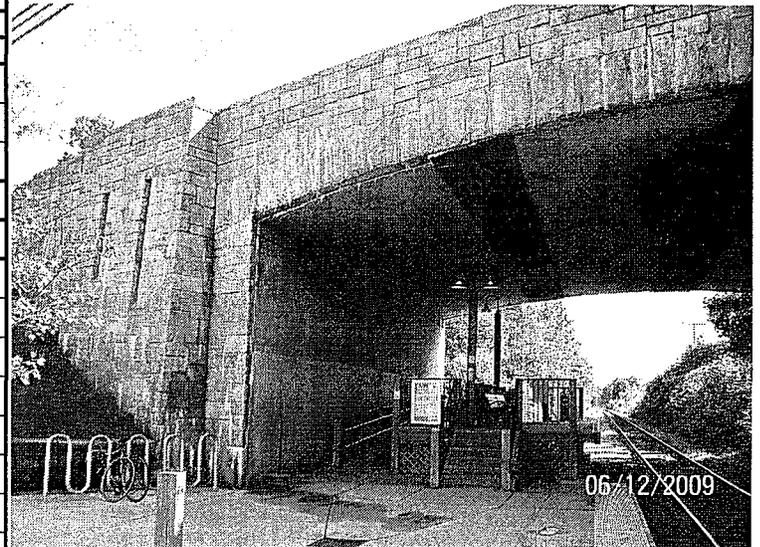
This bridge is showing signs of minor deterioration in both the steel under carriage and masonry stone work.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

No impact on operating budget.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12  | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL  |
|----------------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| <b>EXPENDITURES:</b> |       |        |       |       |       |       |       |       |       |       |       |        |
| Pre-Design           |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Design               |       | 19,500 |       |       |       |       |       |       |       |       |       | 19,500 |
| Purch/Const.         |       |        |       |       |       |       |       |       |       |       |       | 0      |
| <b>TOTAL</b>         | 0     | 19,500 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 19,500 |
| <b>FUNDING:</b>      |       |        |       |       |       |       |       |       |       |       |       |        |
| Operating Rev.       |       | 19,500 |       |       |       |       |       |       |       |       |       | 19,500 |
| Capital Reserve      |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Bond                 |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Federal              |       |        |       |       |       |       |       |       |       |       |       | 0      |
| State                |       |        |       |       |       |       |       |       |       |       |       | 0      |
| UNH                  |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Trade In             |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Other                |       |        |       |       |       |       |       |       |       |       |       | 0      |
| <b>TOTAL</b>         | 0     | 19,500 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 19,500 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                      | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13                                    | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|----------------------|-------------------------|--------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Bennett Road Culvert |                         |              | N/A   | Mandated<br>Council Goal<br>Dept. Goal X | X     |       |       |       |       |       |       |       |
| Department   | Public Works         |                         |              |       |  |       |       |       |       |       |       |       |       |
| Division     | Operations           |                         |              |       |  |       |       |       |       |       |       |       |       |
| Location     | Bennett Road         |                         |              |       |  |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Engineering to eliminate the flooding along Bennett Road near the LaRoche Farm was funded in 2011. In 2012 one potential construction option that might be acceptable once the preliminary engineering has been completed is to install three 60" culverts to relieve flooding conditions along LaRoche Brook on Bennett Road, as well as the installation of two 60" concrete culverts downstream of Bennett Road on the LaRoche Farm. In addition this project will likely raise the grade of 175 feet of Bennett Road. The estimate for this project was based on the above described construction option.

**RATIONALE: (Cost/Benefit Analysis)**

The DPW has been working with the NHDOT to correct flooding along Route 108 (Newmarket Road). The State is currently developing plans for a new 70 foot Long Bridge Crossing at Hamel Brook. The Bennett Road culvert project will help with stranded residents on Cold Spring Road and Bennett Road. Currently there are two 36" concrete culverts which under 5"- 6" of stormwater conditions do not flow enough water.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

The budget should be less affected by reducing the amount of emergency triggered staff time and material upon completion of this project. Preliminary engineering is estimated at \$68,000. Construction for this project is estimated at \$775,000. DPW has applied for FEMA Mitigation Funding through the Department of Emergency Management . If accepted this program can contributed up to 75% reimbursement. **With the FEMA Mitigation Program the Town must finance and complete engineering plans for FEMA review before acceptance by FEMA.**

**FINANCIAL PLAN**

|                      | PRIOR         | FY 12          | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL          |
|----------------------|---------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
| <b>EXPENDITURES:</b> |               |                |       |       |       |       |       |       |       |       |       |                |
| Pre-Design           |               |                |       |       |       |       |       |       |       |       |       | 0              |
| Design               | 43,000        | 25,000         |       |       |       |       |       |       |       |       |       | 68,000         |
| Purch/Const.         |               | 775,000        |       |       |       |       |       |       |       |       |       | 775,000        |
| <b>TOTAL</b>         | <b>43,000</b> | <b>800,000</b> |       | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | <b>843,000</b> |
| <b>FUNDING:</b>      |               |                |       |       |       |       |       |       |       |       |       |                |
| Operating Rev.       |               |                |       |       |       |       |       |       |       |       |       | 0              |
| Capital Reserve      |               |                |       |       |       |       |       |       |       |       |       | 0              |
| Bond                 | 8,600         | 160,000        |       |       |       |       |       |       |       |       |       | 168,600        |
| Federal              | 34,400        | 640,000        |       |       |       |       |       |       |       |       |       | 674,400        |
| State                |               |                |       |       |       |       |       |       |       |       |       | 0              |
| UNH                  |               |                |       |       |       |       |       |       |       |       |       | 0              |
| Trade In             |               |                |       |       |       |       |       |       |       |       |       | 0              |
| Other                |               |                |       |       |       |       |       |       |       |       |       | 0              |
| <b>TOTAL</b>         | <b>43,000</b> | <b>800,000</b> |       | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | <b>843,000</b> |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                                    | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13                                  | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|------------------------------------|-------------------------|--------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Longmarsh Road Culvert Engineering |                         |              | N/A   | Mandated<br>Council Goal<br>Dept. Goal | X     |       |       |       |       |       |       |       |
| Department   | Public Works                       |                         |              |       |  |       |       |       |       |       |       |       |       |
| Division     | Operations                         |                         |              |       |  |       |       |       |       |       |       |       |       |
| Location     | Longmarsh Road                     |                         |              |       |  |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Engineering to eliminate flooding along Longmarsh Road near the Newmarket Road intersection. Potential construction options that might be acceptable once the preliminary engineering has been completed include the installation of either a 36 foot long bridge or five 60" concrete culverts on Longmarsh Road. This project will also raise the grade along 200 feet of Longmarsh Road by 12"- 15". The estimate for this project was based on the above described construction options.

**RATIONALE: (Cost/Benefit Analysis)**

Currently there are two 48" culverts in this location. This area typically floods over Longmarsh Road at 6" of stormwater, resulting in the closure to one of only two entrances/exits to the Sunnyside Drive & Sandy Brook Drive neighborhoods. This closure increases traffic within the neighborhoods and congestion at the remaining entrance/exit. This project is part of the Laroche Brook and Hamel Brook Flood Mitigation Program.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

This project will eliminate hours of staff time when it is completed. DPW has applied for FEMA Mitigation Funding through the Department of Emergency Management . If accepted this program can contributed up to 75% reimbursement. **With the FEMA Mitigation Program the Town must finance and complete engineering plans for FEMA review before acceptance by FEMA.**

**FINANCIAL PLAN**

|                      | PRIOR    | FY 12         | FY 13          | FY 14    | FY 15    | FY 16    | FY 17    | FY 18    | FY 19    | FY 20    | FY 21    | TOTAL          |
|----------------------|----------|---------------|----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------------|
| <b>EXPENDITURES:</b> |          |               |                |          |          |          |          |          |          |          |          |                |
| Pre-Design           |          |               |                |          |          |          |          |          |          |          |          | 0              |
| Design               |          | 51,000        |                |          |          |          |          |          |          |          |          | 51,000         |
| Purch/Const.         |          |               | 765,000        |          |          |          |          |          |          |          |          | 765,000        |
| <b>TOTAL</b>         | <b>0</b> | <b>51,000</b> | <b>765,000</b> | <b>0</b> | <b>816,000</b> |
| <b>FUNDING:</b>      |          |               |                |          |          |          |          |          |          |          |          |                |
| Operating Rev.       |          |               |                |          |          |          |          |          |          |          |          | 0              |
| Capital Reserve      |          |               |                |          |          |          |          |          |          |          |          | 0              |
| Bond                 |          | 12,750        | 153,000        |          |          |          |          |          |          |          |          | 165,750        |
| Federal              |          | 38,250        | 612,000        |          |          |          |          |          |          |          |          | 650,250        |
| State                |          |               |                |          |          |          |          |          |          |          |          | 0              |
| UNH                  |          |               |                |          |          |          |          |          |          |          |          | 0              |
| Trade In             |          |               |                |          |          |          |          |          |          |          |          | 0              |
| Other                |          |               |                |          |          |          |          |          |          |          |          | 0              |
| <b>TOTAL</b>         | <b>0</b> | <b>51,000</b> | <b>765,000</b> | <b>0</b> | <b>816,000</b> |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                             | MASTER PLAN INFORMATION | PROJECT NEED | FY 12          | FY 13    | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|-----------------------------|-------------------------|--------------|----------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Crommets Creek Bridge       |                         |              | State Red List | Mandated |       |       |       |       |       |       |       |       |
| Department   | Public Works                | Council Goal            | X            |                | X        |       |       |       |       |       |       |       |       |
| Division     | Operations                  | Dept. Goal              | X            |                |          |       |       |       |       |       |       |       |       |
| Location     | Durham Point Road/ Bay Road |                         |              |                |          |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

We will be making repairs to the Crommet's Creek Bridge, which will improve the safety of this structure and increase the load limit. Currently this bridge is on the NH DOT Red List of deficient bridges in N.H.

**RATIONALE:** (Cost/Benefit Analysis)

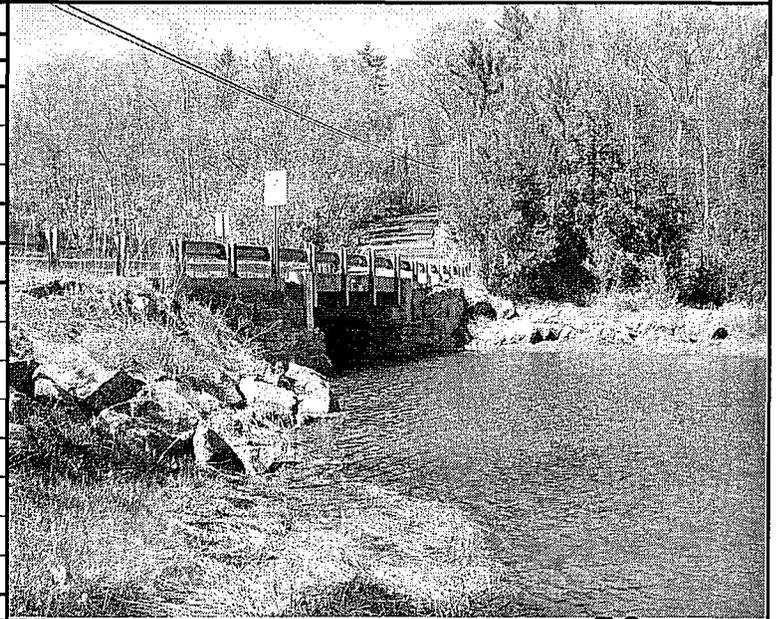
Crommet's Creek Bridge, located on Durham Point Road/Bay Road, is a narrow (21') single span structure with poor approach alignment in both directions. Because of its 15 ton posted load limit (on red list), age, and increasing usage, repair is recommended. The Department recommends a modified repair to strengthen the load limit. However, no realignment or reconfiguration of present bridge will be done. This might be eligible for 80% Federal/State funding via Bridge Aid Program. Construction estimate will likely change following preliminary engineering; additional funds may be required. Recommend maintaining the existing bridge "appearance" to fit in with the rural setting. Durham Public Works has recommended engineering in 2013 and construction in 2014.

**OPERATING BUDGET IMPACT:** (Include how this may impact other Departments and expected future maintenance costs)

No operational impact.

**FINANCIAL PLAN**

|                      | PRIOR    | FY 12         | FY13           | FY14     | FY 15    | FY 16    | FY 17    | FY 18    | FY 19    | FY 20    | FY 21    | TOTAL          |
|----------------------|----------|---------------|----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------------|
| <b>EXPENDITURES:</b> |          |               |                |          |          |          |          |          |          |          |          |                |
| Pre-Design           |          |               |                |          |          |          |          |          |          |          |          | 0              |
| Design               |          | 49,000        |                |          |          |          |          |          |          |          |          | 49,000         |
| Purch/Const.         |          |               | 359,000        |          |          |          |          |          |          |          |          | 359,000        |
| <b>TOTAL</b>         | <b>0</b> | <b>0</b>      | <b>45,000</b>  | <b>0</b> | <b>408,000</b> |
| <b>FUNDING:</b>      |          |               |                |          |          |          |          |          |          |          |          |                |
| Operating Rev.       |          |               |                |          |          |          |          |          |          |          |          | 0              |
| Capital Reserve      |          |               |                |          |          |          |          |          |          |          |          | 0              |
| Bond                 |          | 49,000        | 359,000        |          |          |          |          |          |          |          |          | 408,000        |
| Federal              |          |               |                |          |          |          |          |          |          |          |          | 0              |
| State                |          |               |                |          |          |          |          |          |          |          |          | 0              |
| UNH                  |          |               |                |          |          |          |          |          |          |          |          | 0              |
| Trade In             |          |               |                |          |          |          |          |          |          |          |          | 0              |
| Other                |          |               |                |          |          |          |          |          |          |          |          | 0              |
| <b>TOTAL</b>         | <b>0</b> | <b>49,000</b> | <b>359,000</b> | <b>0</b> | <b>408,000</b> |



**TOWN OF DURHAM, NEW HAMPSHIRE**  
**2012 - 2021 CIP Project Description**

| Project Name                           |             | MASTER PLAN INFORMATION | PROJECT NEED | FY 12                    | FY 13    | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--|-------------|-------------------------|--------------|--------------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Culvert & Outfall Improvements Program |             |                         |              | Chapter 4<br>Section 4.7 | Mandated |       |       |       |       |       |       |       |       |
| Department                             | DPW         |                         | X            |                          | X        | X     | X     | X     | X     | X     | X     | X     |       |
| Division                               | Engineering | Council Goal            | X            |                          | X        | X     | X     | X     | X     | X     | X     | X     |       |
| Location                               | Varies      | Dept. Goal              | X            |                          |          |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Design and construct new culverts and nearby outfalls on Coe Drive at Little Hale Brook crossing (2011-12), on Oyster River Road near Garden Lane (2012-13), on Longmarsh Road at Longmarsh crossing (2013-14). Continuation of undefined culvert and outfall repair/replacement projects are carried forward beyond 2015. These projects are assumed to include some degree of stream bank restoration and possible off-site erosion control measures.

**RATIONALE: (Cost/Benefit Analysis)**

These culverts and outfalls are in serious disrepair and/or undersized which have required numerous repeat maintenance efforts and cause impact to nearby habitat from erosion and sedimentation.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

The overall impact to the operating budget is assumed to be minimal since it will result in less repeat repairs and reduced unanticipated maintenance costs.

**FINANCIAL PLAN**

|                      | PRIOR         | FY 12          | FY 13         | FY 14          | FY 15          | FY 16         | FY 17         | FY 18         | FY 19         | FY 20         | FY 21    | TOTAL            |
|----------------------|---------------|----------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|----------|------------------|
| <b>EXPENDITURES:</b> |               |                |               |                |                |               |               |               |               |               |          |                  |
| Pre-Design           |               |                |               |                |                |               |               |               |               |               |          | 0                |
| Design               | 35,000        | 43,000         | 45,520        | 49,060         | 49,515         | 44,251        | 43,990        | 44,555        | 44,114        | 43,750        |          | 442,755          |
| Purch/Const.         |               | 75,000         | 46,700        | 90,000         | 100,000        | 48,445        | 51,887        | 47,800        | 45,000        | 53,457        |          | 558,289          |
| <b>TOTAL</b>         | <b>35,000</b> | <b>118,000</b> | <b>92,220</b> | <b>139,060</b> | <b>149,515</b> | <b>92,696</b> | <b>95,877</b> | <b>92,355</b> | <b>89,114</b> | <b>97,207</b> |          | <b>1,001,044</b> |
| <b>FUNDING:</b>      |               |                |               |                |                |               |               |               |               |               |          |                  |
| Operating Rev.       | 35,000        | 118,000        | 92,220        | 139,060        | 149,515        | 92,696        | 95,877        | 92,355        | 89,114        | 97,207        |          | 1,001,044        |
| Capital Reserve      |               |                |               |                |                |               |               |               |               |               |          | 0                |
| Bond                 |               |                |               |                |                |               |               |               |               |               |          | 0                |
| Federal              |               |                |               |                |                |               |               |               |               |               |          | 0                |
| State                |               |                |               |                |                |               |               |               |               |               |          | 0                |
| UNH                  |               |                |               |                |                |               |               |               |               |               |          | 0                |
| Trade In             |               |                |               |                |                |               |               |               |               |               |          | 0                |
| Other                |               |                |               |                |                |               |               |               |               |               |          | 0                |
| <b>TOTAL</b>         | <b>35,000</b> | <b>118,000</b> | <b>92,220</b> | <b>139,060</b> | <b>149,515</b> | <b>92,696</b> | <b>95,877</b> | <b>92,355</b> | <b>89,114</b> | <b>97,207</b> | <b>0</b> | <b>1,001,044</b> |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

| Project Name                     |              | MASTER PLAN INFORMATION | PROJECT NEED | FY 12                    | FY 13    | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|----------------------------------|--------------|-------------------------|--------------|--------------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Stormwater Management System CIP | Public Works |                         |              | Chapter 4<br>Section 4.7 | Mandated |       |       |       |       |       |       |       |       |
| Department                       | Engineering  | Council Goal            | X            |                          | X        | X     | X     | X     | X     | X     | X     | X     |       |
| Division                         | Varies       | Dept. Goal              | X            |                          |          |       |       |       |       |       |       |       |       |
| Location                         |              |                         |              |                          |          |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

In 2009 the DPW developed a Stormwater Management System Capital Improvement Plan and implemented a program that includes monitoring, repairs, and improvement projects according to a prioritized project list based on critical importance and need. This work would be typically done using partly in-house management and partly design support from consultants and contractors.

**RATIONALE: (Cost/Benefit Analysis)**

A Stormwater System CIP is an essential planning step for compliance with the EPA Phase II Stormwater regulations for Small MS4 permitted communities like the Town of Durham. The new draft permit requires a condition evaluation of the entire MS4 system and implementation of a plan to correct deficiencies. 2012 projects include Mill Pond Road & Coe Drive.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

The overall impact to the operating budget is assumed to be minimal since it is a planning tool to help reduce unanticipated maintenance costs.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12         | FY 13         | FY 14         | FY 15         | FY 16         | FY 17         | FY 18         | FY 19         | FY 20         | FY 21    | TOTAL          |
|----------------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------|----------------|
| <b>EXPENDITURES:</b> |       |               |               |               |               |               |               |               |               |               |          |                |
| Pre-Design           |       |               |               |               |               |               |               |               |               |               |          | 0              |
| Design               |       | 10,000        | 10,000        | 10,000        | 10,000        | 10,000        | 10,000        | 10,000        | 10,000        | 10,000        |          | 90,000         |
| Purch/Const.         |       | 48,934        | 50,000        | 47,400        | 46,343        | 49,656        | 45,223        | 48,120        | 47,060        |               |          | 382,736        |
| <b>TOTAL</b>         |       | <b>58,934</b> | <b>60,000</b> | <b>57,400</b> | <b>56,343</b> | <b>59,656</b> | <b>55,223</b> | <b>58,120</b> | <b>57,060</b> | <b>10,000</b> |          | <b>472,736</b> |
| <b>FUNDING:</b>      |       |               |               |               |               |               |               |               |               |               |          |                |
| Operating Rev.       |       | 58,934        | 60,000        | 57,400        | 56,343        | 59,656        | 55,223        | 58,120        | 57,060        | 10,000        |          | 472,736        |
| Capital Reserve      |       |               |               |               |               |               |               |               |               |               |          | 0              |
| Bond                 |       |               |               |               |               |               |               |               |               |               |          | 0              |
| Federal              |       |               |               |               |               |               |               |               |               |               |          | 0              |
| State                |       |               |               |               |               |               |               |               |               |               |          | 0              |
| UNH                  |       |               |               |               |               |               |               |               |               |               |          | 0              |
| Trade In             |       |               |               |               |               |               |               |               |               |               |          | 0              |
| Other                |       |               |               |               |               |               |               |               |               |               |          | 0              |
| <b>TOTAL</b>         |       | <b>58,934</b> | <b>60,000</b> | <b>57,400</b> | <b>56,343</b> | <b>59,656</b> | <b>55,223</b> | <b>58,120</b> | <b>57,060</b> | <b>10,000</b> | <b>0</b> | <b>472,736</b> |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

| Project Name       |              | MASTER PLAN INFORMATION | PROJECT NEED | FY 12                    | FY 13    | FY 14 | FY 15    | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------------|--------------|-------------------------|--------------|--------------------------|----------|-------|----------|-------|-------|-------|-------|-------|-------|
| Coe Drive Sidewalk | Public Works |                         |              | Chapter 3<br>Section 3.1 | Mandated |       | <b>X</b> |       |       |       |       |       |       |
| Division           | Operations   | Council Goal #7         |              |                          |          |       |          |       |       |       |       |       |       |
| Location           | Coe Drive    | Dept. Goal X            |              |                          |          |       |          |       |       |       |       |       |       |
|                    |              |                         |              |                          |          |       |          |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Replacement of this 1977 3,695 foot long, 5 foot wide bituminous asphalt sidewalk and concrete curbing. This sidewalk links the Oyster River Middle School to the Oyster River High School.

**RATIONALE: (Cost/Benefit Analysis)**

The deteriorated, 30+ year old concrete curbed sidewalk along Coe Drive needs replacing. The existing curb and sidewalk will be replaced with Bituminous Asphalt and will include ADA compliant tip downs. The completion of this project is vital to the start of the Coe Drive Roadway resurfacing scheduled for 2013.

New asphalt curbing @ \$11/foot X 3,695 Feet = \$40,645

- Crushed gravel/ loam & seed = \$1,360

- Pave sidewalk 120 tons @ \$110/Ton = \$13,200

- Handwork/ curb patch 40 ton @ \$140/ton = \$5,600

Total = \$ 60,805

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

No impact to other budgets. This will eliminate future maintenance costs for 25 years.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12 | FY 13  | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL  |
|----------------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| <b>EXPENDITURES:</b> |       |       |        |       |       |       |       |       |       |       |       |        |
| Pre-Design           |       |       |        |       |       |       |       |       |       |       |       | 0      |
| Design               |       |       |        |       |       |       |       |       |       |       |       | 0      |
| Purch/Const.         |       |       | 60,800 |       |       |       |       |       |       |       |       | 60,800 |
| <b>TOTAL</b>         | 0     | 0     | 60,800 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 60,800 |
| <b>FUNDING:</b>      |       |       |        |       |       |       |       |       |       |       |       |        |
| Operating Rev.       |       |       | 60,800 |       |       |       |       |       |       |       |       | 60,800 |
| Capital Reserve      |       |       |        |       |       |       |       |       |       |       |       | 0      |
| Bond                 |       |       |        |       |       |       |       |       |       |       |       | 0      |
| Federal              |       |       |        |       |       |       |       |       |       |       |       | 0      |
| State                |       |       |        |       |       |       |       |       |       |       |       | 0      |
| UNH                  |       |       |        |       |       |       |       |       |       |       |       | 0      |
| Trade In             |       |       |        |       |       |       |       |       |       |       |       | 0      |
| Other                |       |       |        |       |       |       |       |       |       |       |       | 0      |
| <b>TOTAL</b>         | 0     | 0     | 60,800 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 60,800 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                 | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13                                    | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|-----------------|-------------------------|--------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | 1/2 Ton Pick-up |                         |              | N/A   | Mandated<br>Council Goal<br>Dept. Goal X |       | X     |       |       |       |       |       |       |
| Department   | Public Works    |                         |              |       |  |       |       |       |       |       |       |       |       |
| Division     | Operations      |                         |              |       |  |       |       |       |       |       |       |       |       |
| Location     | DPW Facility    |                         |              |       |  |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Replace Assistant Director of Operations 2003 1/2 Ton pick-up truck. The truck fleet is currently on a 10 -12 year replacement program.

**RATIONALE: (Cost/Benefit Analysis)**

This vehicle is the Assistant Director of Operations daily means of transportation during all work hours not including travel between home and work. This employee supervises the Highway Division, Building & Grounds Division, Sanitation Division, and Water Division. This vehicle is currently a 2003 1/2 Ton Pick-up which averages 15,000 miles per year and is scheduled for replacement in 2013.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

No impact on other departments, routine maintenance costs per year.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12 | FY 13  | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL  |
|----------------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| <b>EXPENDITURES:</b> |       |       |        |       |       |       |       |       |       |       |       |        |
| Pre-Design           |       |       |        |       |       |       |       |       |       |       |       | 0      |
| Design               |       |       |        |       |       |       |       |       |       |       |       | 0      |
| Purch/Const.         |       |       | 18,500 |       |       |       |       |       |       |       |       | 18,500 |
| <b>TOTAL</b>         | 0     | 0     | 18,500 |       | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 18,500 |
| <b>FUNDING:</b>      |       |       |        |       |       |       |       |       |       |       |       |        |
| Operating Rev.       |       |       | 17,500 |       |       |       |       |       |       |       |       | 17,500 |
| Capital Reserve      |       |       |        |       |       |       |       |       |       |       |       | 0      |
| Bond                 |       |       |        |       |       |       |       |       |       |       |       | 0      |
| Federal              |       |       |        |       |       |       |       |       |       |       |       | 0      |
| State                |       |       |        |       |       |       |       |       |       |       |       | 0      |
| UNH                  |       |       |        |       |       |       |       |       |       |       |       | 0      |
| Trade In             |       |       | 1,000  |       |       |       |       |       |       |       |       | 1,000  |
| Other                |       |       |        |       |       |       |       |       |       |       |       | 0      |
| <b>TOTAL</b>         | 0     | 0     | 18,500 |       | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 18,500 |



## 2012-2021 CAPITAL IMPROVEMENTS PROGRAM

| Description  | Rank | 2012   | Rank | 2013 | Rank   | 2014 | Rank   | 2015 | Rank   | 2016 | Rank | 2017 | Rank | 2018 | Rank | 2019 | Rank | 2020 | Rank | 2021 |
|--|------|--------|------|------|--------|------|--------|------|--------|------|------|------|------|------|------|------|------|------|------|------|
| <b><i>Public Works- Buildings &amp; Grounds Division</i></b> |      |        |      |      |        |      |        |      |        |      |      |      |      |      |      |      |      |      |      |      |
| Police Department Handicap Entrance                          | 1    | 32,000 |      |      |        |      |        |      |        |      |      |      |      |      |      |      |      |      |      |      |
| 3/4 Ton Pickup Truck Replacement                             | 2    | 26,775 |      |      |        |      |        |      |        |      |      |      |      |      |      |      |      |      |      |      |
| Old Landing Park Improvements                                |      |        |      | 1    | 86,474 |      |        |      |        |      |      |      |      |      |      |      |      |      |      |      |
| One-Half Ton Pickup Truck Replacement                        |      |        |      |      |        | 1    | 13,800 |      |        |      |      |      |      |      |      |      |      |      |      |      |
| One Ton Dump Truck Replacement                               |      |        |      |      |        |      |        | 1    | 46,000 |      |      |      |      |      |      |      |      |      |      |      |
|  |      |        |      |      |        |      |        |      |        |      |      |      |      |      |      |      |      |      |      |      |
| <b>PW - BLDGS &amp; GRDS TOTALS</b>                          |      | 58,775 |      | -    | 86,474 |      | 13,800 |      | 46,000 |      |      | -    |      |      |      | -    |      |      |      | -    |

**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                                  |                         |              |       |       |       |       |       |       |       |       |       |       |  |
|--------------|----------------------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Project Name | Police Station Handicap Entrance | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |  |
| Department   | Public Works                     |                         | Mandated     | X     |       |       |       |       |       |       |       |       |       |  |
| Division     | Buildings & Grounds              |                         | Council Goal |       |       |       |       |       |       |       |       |       |       |  |
| Location     | Police Station                   |                         | Dept. Goal   |       | X     |       |       |       |       |       |       |       |       |  |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Current Police Department is located at 86 Dover Road, and its handicapped accessibility infrastructure is in need of replacement to adhere to ADA standards.

**RATIONALE: (Cost/Benefit Analysis)**

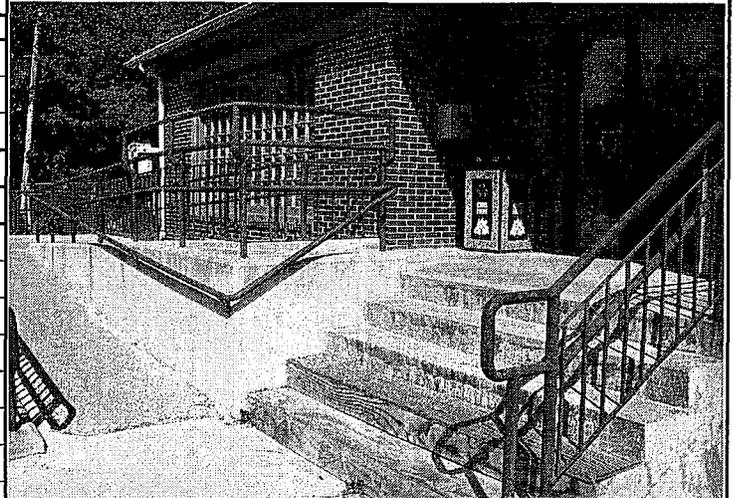
Replacement of the handicapped accessible ramp.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

This repair will considerably lessen the amount of weekly maintenance required by buildings & grounds employees.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12  | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL  |
|----------------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| <b>EXPENDITURES:</b> |       |        |       |       |       |       |       |       |       |       |       |        |
| Pre-Design           |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Design               |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Purch/Const.         |       | 32,000 |       |       |       |       |       |       |       |       |       | 32,000 |
| <b>TOTAL</b>         | 0     | 32,000 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 32,000 |
| <b>FUNDING:</b>      |       |        |       |       |       |       |       |       |       |       |       |        |
| Operating Rev.       |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Capital Reserve      |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Bond                 |       | 32,000 |       |       |       |       |       |       |       |       |       | 32,000 |
| Federal              |       |        |       |       |       |       |       |       |       |       |       | 0      |
| State                |       |        |       |       |       |       |       |       |       |       |       | 0      |
| UNH                  |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Trade In             |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Other                |       |        |       |       |       |       |       |       |       |       |       | 0      |
| <b>TOTAL</b>         | 0     | 32,000 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 32,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                             | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13                                  | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|-----------------------------|-------------------------|--------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | 3/4 Ton Pick-up Replacement |                         |              | N/A   | Mandated<br>Council Goal<br>Dept. Goal | X     |       |       |       |       |       |       |       |
| Department   | Public Works                |                         |              |       |  |       |       |       |       |       |       |       |       |
| Division     | Buildings & Grounds         |                         |              |       |  |       |       |       |       |       |       |       |       |
| Location     | DPW Facility                |                         |              |       |  |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Replace Buildings & Grounds Foreman's 2001 Ford 3/4 Ton Pick-up truck. The truck fleet is currently on a 10-12 year replacement program, this vehicle was originally scheduled for replacement in 2010 but was moved out to 2012 due to budget constraints.

**RATIONALE: (Cost/Benefit Analysis)**

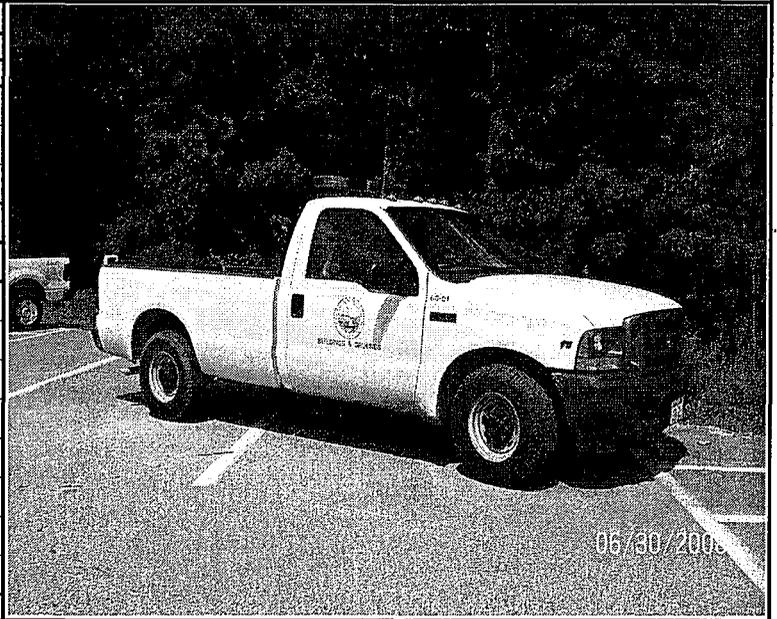
This vehicle is used by the Building & Grounds Foreman for daily transportation in his job of maintaining/ supervising each of the Town facilities and parcels of land. The Foreman is also the person in charge of all supplies, safety training, water equipment and the Town's carpenter and stone mason.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

No impact to other Departments, routine maintenance costs per year.

**FINANCIAL PLAN**

|                      | PRIOR    | FY 12         | FY 13    | FY 14    | FY 15    | FY 16    | FY 17    | FY 18    | FY 19    | FY 20    | FY 21    | TOTAL         |
|----------------------|----------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------------|
| <b>EXPENDITURES:</b> |          |               |          |          |          |          |          |          |          |          |          |               |
| Pre-Design           |          |               |          |          |          |          |          |          |          |          |          | 0             |
| Design               |          |               |          |          |          |          |          |          |          |          |          | 0             |
| Purch/Const.         |          | 26,775        |          |          |          |          |          |          |          |          |          | 26,775        |
| <b>TOTAL</b>         | <b>0</b> | <b>26,775</b> | <b>0</b> | <b>26,775</b> |
| <b>FUNDING:</b>      |          |               |          |          |          |          |          |          |          |          |          |               |
| Operating Rev.       |          | 25,575        |          |          |          |          |          |          |          |          |          | 25,575        |
| Capital Reserve      |          |               |          |          |          |          |          |          |          |          |          | 0             |
| Bond                 |          |               |          |          |          |          |          |          |          |          |          | 0             |
| Federal              |          |               |          |          |          |          |          |          |          |          |          | 0             |
| State                |          |               |          |          |          |          |          |          |          |          |          | 0             |
| UNH                  |          |               |          |          |          |          |          |          |          |          |          | 0             |
| Trade In             |          | 1,200         |          |          |          |          |          |          |          |          |          | 1,200         |
| Other                |          |               |          |          |          |          |          |          |          |          |          | 0             |
| <b>TOTAL</b>         | <b>0</b> | <b>26,775</b> | <b>0</b> | <b>26,775</b> |



**TOWN OF DURHAM, NEW HAMPSHIRE**  
**2012 - 2021 CIP Project Description**

|              |                               | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13                                    | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|-------------------------------|-------------------------|--------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Old Landing Park Improvements |                         |              | N/A   | Mandated<br>Council Goal<br>Dept. Goal X |       |       | X     |       |       |       |       |       |
| Department   | Public Works                  |                         |              |       |  |       |       |       |       |       |       |       |       |
| Division     | Parks/Grounds                 |                         |              |       |  |       |       |       |       |       |       |       |       |
| Location     | Old Landing Road              |                         |              |       |  |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

We will be making improvements to the Old Landing Park, including repairing the dilapidated stone wall along the Oyster River, installing a new aluminum dock, rope railings, raising the old brick pump house and creating a larger lawn area.

**RATIONALE: (Cost/Benefit Analysis)**

The stone wall along the Oyster River bordering Old Landing Park has deteriorated and collapsed in a couple areas. Completing these repairs increases safety and makes the park more usable by residents.

- A local mason has estimated the repair at \$38,500
- Additional improvements include replacing the current wooden dock with an aluminum dock - \$22,043
- Replacing the railing along the shoreline/parking area - \$3,029
- Demolition of the pump house - \$12,000
- Rehabilitation of lawn area - \$10,902

**OPERATING BUDGET IMPACT:**

No impact on operating budget.

**FINANCIAL PLAN**

|                      | PRIOR | FY12 | FY13 | FY14   | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL  |
|----------------------|-------|------|------|--------|-------|-------|-------|-------|-------|-------|-------|--------|
| <b>EXPENDITURES:</b> |       |      |      |        |       |       |       |       |       |       |       |        |
| Pre-Design           |       |      |      |        |       |       |       |       |       |       |       | 0      |
| Design               |       |      |      |        |       |       |       |       |       |       |       | 0      |
| Purch/Const.         |       |      |      | 86,474 |       |       |       |       |       |       |       | 86,474 |
| <b>TOTAL</b>         | 0     | 0    | 0    | 86,474 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 86,474 |
| <b>FUNDING:</b>      |       |      |      |        |       |       |       |       |       |       |       |        |
| Operating Rev.       |       |      |      |        |       |       |       |       |       |       |       | 0      |
| Capital Reserve      |       |      |      |        |       |       |       |       |       |       |       | 0      |
| Bond                 |       |      |      | 86,474 |       |       |       |       |       |       |       | 86,474 |
| Federal              |       |      |      |        |       |       |       |       |       |       |       | 0      |
| State                |       |      |      |        |       |       |       |       |       |       |       | 0      |
| UNH                  |       |      |      |        |       |       |       |       |       |       |       | 0      |
| Trade In             |       |      |      |        |       |       |       |       |       |       |       | 0      |
| Other                |       |      |      |        |       |       |       |       |       |       |       | 0      |
| <b>TOTAL</b>         | 0     | 0    | 0    | 86,474 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 86,474 |



**TOWN OF DURHAM, NEW HAMPSHIRE**  
**2012 - 2021 CIP Project Description**

|              |                             | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13                                    | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|-----------------------------|-------------------------|--------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | 1/2 Ton Pick-up Replacement |                         |              | N/A   | Mandated<br>Council Goal<br>Dept. Goal X |       |       |       | X     |       |       |       |       |
| Department   | Public Works                |                         |              |       |  |       |       |       |       |       |       |       |       |
| Division     | Buildings & Grounds         |                         |              |       |  |       |       |       |       |       |       |       |       |
| Location     | DPW Facility                |                         |              |       |  |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

The town would like to replace the current Buildings & Grounds Division 2005 1/2 Ton Pick-up Truck. This truck is used daily by B & G employees for moving staff and equipment from site to site. The truck fleet is currently on a 10 -12 year replacement program.

**RATIONALE: (Cost/Benefit Analysis)**

This 1/2 Ton 2005 (Ford Ranger) Pick-up supports the Building & Grounds Division employee who completes the daily trash/debris pick-up at all parks and downtown areas (2 hours daily). The vehicle is also used by the same employee for maintenance of all Town owned properties (graveyards, cemeteries, etc.) and the landscaping of the downtown area and buildings. This vehicle will be purchased through the state bid process.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

No impact to other department's budgets. Routine maintenance costs per year. DPW has previously downsized this vehicle in 2005 to obtain better gas mileage.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12 | FY 13 | FY 14 | FY 15  | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL  |
|----------------------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|
| <b>EXPENDITURES:</b> |       |       |       |       |        |       |       |       |       |       |       |        |
| Pre-Design           |       |       |       |       |        |       |       |       |       |       |       | 0      |
| Design               |       |       |       |       |        |       |       |       |       |       |       | 0      |
| Purch/Const.         |       |       |       |       | 13,800 |       |       |       |       |       |       | 13,800 |
| <b>TOTAL</b>         | 0     | 0     | 0     | 0     | 13,800 |       | 0     | 0     | 0     | 0     | 0     | 13,800 |
| <b>FUNDING:</b>      |       |       |       |       |        |       |       |       |       |       |       |        |
| Operating Rev.       |       |       |       |       | 13,300 |       |       |       |       |       |       | 13,300 |
| Capital Reserve      |       |       |       |       |        |       |       |       |       |       |       | 0      |
| Bond                 |       |       |       |       |        |       |       |       |       |       |       | 0      |
| Federal              |       |       |       |       |        |       |       |       |       |       |       | 0      |
| State                |       |       |       |       |        |       |       |       |       |       |       | 0      |
| UNH                  |       |       |       |       |        |       |       |       |       |       |       | 0      |
| Trade In             |       |       |       |       | 500    |       |       |       |       |       |       | 500    |
| Other                |       |       |       |       |        |       |       |       |       |       |       | 0      |
| <b>TOTAL</b>         | 0     | 0     | 0     | 0     | 13,800 |       | 0     | 0     | 0     | 0     | 0     | 13,800 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                              | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13                                    | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |  |
|--------------|------------------------------|-------------------------|--------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Project Name | 1 Ton Dump Truck Replacement |                         |              | N/A   | Mandated<br>Council Goal<br>Dept. Goal X |       |       |       |       |       |       |       |       |  |
| Department   | Public Works                 |                         |              |       |  |       |       | X     |       |       |       |       |       |  |
| Division     | Buildings & Grounds          |                         |              |       |  |       |       |       |       |       |       |       |       |  |
| Location     | DPW Facility                 |                         |              |       |  |       |       |       |       |       |       |       |       |  |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

We will be replacing the current 2005 Ford 1-ton, Four Wheel Drive Dump Truck with a 2016 1-ton equipped with plowing and sand/salt spreading capabilities.

**RATIONALE: (Cost/Benefit Analysis)**

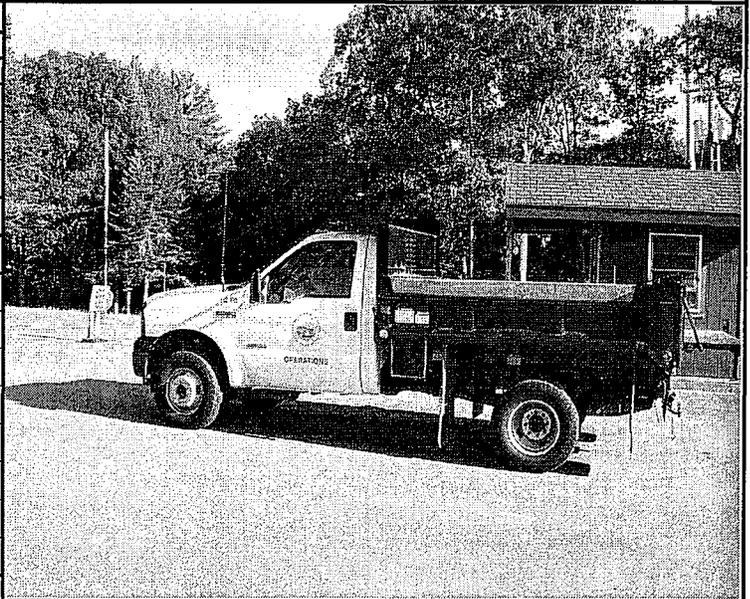
This vehicle will replace a 2006 Ford 1-ton Dump Truck and will be outfitted with a plow and sand/salt spreader. This truck is integral to daily operations and is the front-line piece of equipment for parks, cemeteries, buildings and grounds, and snow removal at all town facilities. This vehicle is the sole vehicle used during winter storms at such sites as the Police Station, Town Hall, Lee Well, Wagon Hill Farm, Transfer Station and various parking lots.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

Optimum trade-in time is 10 years. Expected trade value is \$6,000. Tires, filters, hydraulics will be \$300/year included in the operating budget.

**FINANCIAL PLAN**

|                      | PRIOR    | FY 12    | FY 13    | FY 14    | FY 15    | FY 16         | FY 17 | FY 18    | FY 19    | FY 20    | FY 21    | TOTAL         |
|----------------------|----------|----------|----------|----------|----------|---------------|-------|----------|----------|----------|----------|---------------|
| <b>EXPENDITURES:</b> |          |          |          |          |          |               |       |          |          |          |          |               |
| Pre-Design           |          |          |          |          |          |               |       |          |          |          |          | 0             |
| Design               |          |          |          |          |          |               |       |          |          |          |          | 0             |
| Purch/Const.         |          |          |          |          |          | 46,000        |       |          |          |          |          | 46,000        |
| <b>TOTAL</b>         | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>46,000</b> |       | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>46,000</b> |
| <b>FUNDING:</b>      |          |          |          |          |          |               |       |          |          |          |          |               |
| Operating Rev.       |          |          |          |          |          |               |       |          |          |          |          | 0             |
| Capital Reserve      |          |          |          |          |          |               |       |          |          |          |          | 0             |
| Bond                 |          |          |          |          |          | 40,000        |       |          |          |          |          | 40,000        |
| Federal              |          |          |          |          |          |               |       |          |          |          |          | 0             |
| State                |          |          |          |          |          |               |       |          |          |          |          | 0             |
| UNH                  |          |          |          |          |          |               |       |          |          |          |          | 0             |
| Trade In             |          |          |          |          |          | 6,000         |       |          |          |          |          | 6,000         |
| Other                |          |          |          |          |          |               |       |          |          |          |          | 0             |
| <b>TOTAL</b>         | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>46,000</b> |       | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>46,000</b> |



## 2012-2021 CAPITAL IMPROVEMENTS PROGRAM

| Description                                      | Rank | 2012 | Rank | 2013 | Rank | 2014    | Rank | 2015    | Rank | 2016 | Rank | 2017 | Rank | 2018 | Rank | 2019 | Rank | 2020 | Rank | 2021 |
|--|------|------|------|------|------|---------|------|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| <b><i>Public Works - Sanitation Division</i></b> |      |      |      |      |      |         |      |         |      |      |      |      |      |      |      |      |      |      |      |      |
| Refuse Collection Vehicle Replacement            |      |      |      |      | 1    | 225,000 |      |         |      |      |      |      |      |      |      |      |      |      |      |      |
| Recycling Collection Vehicle Replacement         |      |      |      |      |      |         | 1    | 104,000 |      |      |      |      |      |      |      |      |      |      |      |      |
|  |      |      |      |      |      |         |      |         |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>PW - SANITATION TOTALS</b>                    |      | -    |      | -    |      | 225,000 |      | 104,000 |      | -    |      |      |      | -    |      |      |      | -    |      | -    |

**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                                   | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13                                    | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |  |
|--------------|-----------------------------------|-------------------------|--------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Project Name | Refuse Collection Vehicle         |                         |              | N/A   | Mandated<br>Council Goal<br>Dept. Goal X |       |       |       |       |       |       |       |       |  |
| Department   | Public Works                      |                         |              |       |  |       |       |       |       |       |       |       |       |  |
| Division     | Sanitation                        |                         |              |       |  | X     |       |       |       |       |       |       |       |  |
| Location     | Transfer Station/Recycling Center |                         |              |       |  | X     |       |       |       |       |       |       |       |  |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

The DPW needs to immediately replace the current 2005 Refuse Collection Vehicle with a new front line curbside collection vehicle. The DPW has invested over \$50,000 in repairs to this vehicle over the past 6 years.

**RATIONALE: (Cost/Benefit Analysis)**

This new refuse collection vehicle will replace the 2005 International/Kahn refuse collection vehicle, as the front line collection truck. This vehicle currently runs 40+ hours per week and makes approx. 450 stops per day. The continuous wear and tear takes its toll on the vehicle. The department will be trading in the current back up, a 1997 Crane Carrier.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

Normal maintenance items such as tires, brakes, batteries, motor oil, hydraulic oil, will impact the operating budget by \$3,000/ per year. In 2011 DPW bid out the refuse collection program which would have eliminated the need to replace this truck, however, bid results show a \$55,000 savings by keeping collection in house.

**FINANCIAL PLAN**

|                      | PRIOR    | FY 12    | FY 13    | FY 14          | FY 15    | FY 16    | FY 17    | FY 18    | FY 19    | FY 20    | FY 21    | TOTAL          |
|----------------------|----------|----------|----------|----------------|----------|----------|----------|----------|----------|----------|----------|----------------|
| <b>EXPENDITURES:</b> |          |          |          |                |          |          |          |          |          |          |          |                |
| Pre-Design           |          |          |          |                |          |          |          |          |          |          |          | 0              |
| Design               |          |          |          |                |          |          |          |          |          |          |          | 0              |
| Purch/Const.         |          |          |          | 225,000        |          |          |          |          |          |          |          | 225,000        |
| <b>TOTAL</b>         | <b>0</b> | <b>0</b> | <b>0</b> | <b>225,000</b> | <b>0</b> | <b>225,000</b> |
| <b>FUNDING:</b>      |          |          |          |                |          |          |          |          |          |          |          |                |
| Operating Rev.       |          |          |          |                |          |          |          |          |          |          |          | 0              |
| Capital Reserve      |          |          |          |                |          |          |          |          |          |          |          | 0              |
| Bond                 |          |          |          | 200,000        |          |          |          |          |          |          |          | 200,000        |
| Federal              |          |          |          |                |          |          |          |          |          |          |          | 0              |
| State                |          |          |          |                |          |          |          |          |          |          |          | 0              |
| UNH                  |          |          |          |                |          |          |          |          |          |          |          | 0              |
| Trade In             |          |          |          | 5,000          |          |          |          |          |          |          |          | 5,000          |
| Other                |          |          |          |                |          |          |          |          |          |          |          | 0              |
| <b>TOTAL</b>         | <b>0</b> | <b>0</b> | <b>0</b> | <b>205,000</b> | <b>0</b> | <b>205,000</b> |



**TOWN OF DURHAM, NEW HAMPSHIRE**  
**2012 - 2021 CIP Project Description**

|              |                                   | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13                                    | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|-----------------------------------|-------------------------|--------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Recycling Collection Vehicle      |                         |              | N/A   | Mandated<br>Council Goal<br>Dept. Goal X |       |       |       | X     |       |       |       |       |
| Department   | Public Works                      |                         |              |       |  |       |       |       |       |       |       |       |       |
| Division     | Sanitation                        |                         |              |       |  |       |       |       |       |       |       |       |       |
| Location     | Transfer Station/Recycling Center |                         |              |       |  |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

The Town would like to replace the current 2005 curbside recycling collection vehicle with a new, more efficient vehicle in 2015.

**RATIONALE: (Cost/Benefit Analysis)**

This Recycling Collection Vehicle will replace the 2005 International/Kahn recycling collection vehicle. This vehicle runs 50+ hours per week and makes approx. 2,200 stops per week. The continuous wear and tear takes a toll on the vehicle. This is the only recycling vehicle the Town owns.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

Normal maintenance items such as filters, tires, brakes, lights, and motor oil will add approximately \$3,600 to operating budget.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12 | FY 13 | FY 14 | FY 15   | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL   |
|----------------------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|-------|---------|
| <b>EXPENDITURES:</b> |       |       |       |       |         |       |       |       |       |       |       |         |
| Pre-Design           |       |       |       |       |         |       |       |       |       |       |       | 0       |
| Design               |       |       |       |       |         |       |       |       |       |       |       | 0       |
| Purch/Const.         |       |       |       |       | 104,000 |       |       |       |       |       |       | 104,000 |
| <b>TOTAL</b>         | 0     | 0     | 0     | 0     | 104,000 | 0     | 0     | 0     | 0     | 0     | 0     | 104,000 |
| <b>FUNDING:</b>      |       |       |       |       |         |       |       |       |       |       |       |         |
| Operating Rev.       |       |       |       |       |         |       |       |       |       |       |       | 0       |
| Capital Reserve      |       |       |       |       |         |       |       |       |       |       |       | 0       |
| Bond                 |       |       |       |       | 101,000 |       |       |       |       |       |       | 101,000 |
| Federal              |       |       |       |       |         |       |       |       |       |       |       | 0       |
| State                |       |       |       |       |         |       |       |       |       |       |       | 0       |
| UNH                  |       |       |       |       |         |       |       |       |       |       |       | 0       |
| Trade In             |       |       |       |       | 3,000   |       |       |       |       |       |       | 3,000   |
| Other                |       |       |       |       |         |       |       |       |       |       |       | 0       |
| <b>TOTAL</b>         | 0     | 0     | 0     | 0     | 104,000 | 0     | 0     | 0     | 0     | 0     | 0     | 104,000 |



Water Fund Proposed Bond Schedule

| PROJECT NAME                       | PROJECT YEAR | BOND LENGTH | TOTAL AMOUNT BONDED/ LEASED | ESTIMATED INTEREST COSTS | TOTAL ESTIMATED COST | 2012 PRINCIPAL    | 2012 INTEREST | 2013 PRINCIPAL    | 2013 INTEREST | 2014 PRINCIPAL    | 2014 INTEREST | 2015 PRINCIPAL    | 2015 INTEREST | 2016 PRINCIPAL    | 2016 INTEREST | 2017 PRINCIPAL    | 2017 INTEREST | 2018 PRINCIPAL    | 2018 INTEREST | 2019 PRINCIPAL    | 2019 INTEREST | 2020 PRINCIPAL    | 2020 INTEREST | 2021 PRINCIPAL    | 2021 INTEREST |  |
|------------------------------------|--------------|-------------|-----------------------------|--------------------------|----------------------|-------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|---------------|--|
| Water Meter Upgrade                | 2012         | 10          | \$334,090                   | \$54,369                 | \$388,459            |                   |               | \$34,090          | \$10,719      | \$35,000          | \$9,000       | \$35,000          | \$7,950       | \$35,000          | \$6,900       | \$35,000          | \$5,850       | \$35,000          | \$4,800       | \$35,000          | \$3,750       | \$30,000          | \$2,700       | \$30,000          | \$1,800       |  |
| Water Tank Painting                | 2013         | 10          | \$750,000                   | \$135,755                | \$885,755            |                   |               |                   |               | \$75,000          | \$26,068      | \$75,000          | \$21,938      | \$75,000          | \$19,500      | \$75,000          | \$17,063      | \$75,000          | \$14,625      | \$75,000          | \$12,188      | \$75,000          | \$9,750       | \$75,000          | \$7,313       |  |
| Spruce Hole                        | 2015         | 20          | \$1,415,000                 | \$741,413                | \$2,156,413          |                   |               |                   |               |                   |               |                   |               | \$75,000          | \$75,663      | \$75,000          | \$67,000      | \$75,000          | \$63,250      | \$70,000          | \$59,500      | \$70,000          | \$56,000      | \$70,000          | \$52,500      |  |
| OUTSTANDING BONDS/LEASES/SRF LOANS |              |             |                             |                          |                      |                   |               |                   |               |                   |               |                   |               |                   |               |                   |               |                   |               |                   |               |                   |               |                   |               |  |
| Outstanding Bonds thru 2002        |              |             |                             |                          |                      | \$34,699          | \$9,964       | \$34,699          | \$8,662       | \$34,699          | \$7,274       | \$32,740          | \$5,886       | \$32,740          | \$4,536       | \$23,509          | \$3,144       | \$23,509          | \$2,116       | \$23,506          | \$1,058       |                   |               |                   |               |  |
| 2006 Bond                          | 2003-2006    | 20          | \$545,469                   | \$26,026                 | \$15,247             | \$26,026          | \$15,247      | \$26,026          | \$14,241      | \$27,291          | \$13,240      | \$27,291          | \$12,175      | \$27,291          | \$11,112      | \$24,841          | \$10,020      | \$24,841          | \$9,027       | \$24,841          | \$8,033       | \$24,841          | \$7,039       | \$24,841          | \$6,045       |  |
| 2008 Bond                          | 2007-2008    | 20          | \$724,900                   | \$35,600                 | \$25,819             | \$35,600          | \$24,655      | \$35,600          | \$23,402      | \$35,600          | \$22,149      | \$36,300          | \$20,807      | \$36,300          | \$18,992      | \$36,300          | \$17,540      | \$36,400          | \$15,725      | \$36,400          | \$15,725      | \$36,400          | \$15,725      | \$36,400          | \$12,722      |  |
| Lemprey River Transmission Main    | 2002         | 15 YRS      | \$828,554                   | \$60,533                 | \$11,268             | \$62,635          | \$9,164       | \$64,810          | \$6,989       | \$67,060          | \$4,739       | \$69,389          | \$2,410       | \$0               | \$0           | \$0               | \$0           | \$0               | \$0           | \$0               | \$0           | \$0               | \$0           | \$0               | \$0           |  |
| <b>TOTALS</b>                      |              |             |                             |                          |                      | \$157,058         | \$62,296      | \$193,250         | \$67,440      | \$272,600         | \$95,973      | \$272,891         | \$74,837      | \$350,720         | \$140,928     | \$269,650         | \$122,069     | \$269,650         | \$111,358     | \$264,747         | \$100,254     | \$236,241         | \$91,214      | \$236,241         | \$80,379      |  |
|                                    |              |             |                             |                          |                      | <b>TOTAL 2012</b> |               | <b>TOTAL 2013</b> |               | <b>TOTAL 2014</b> |               | <b>TOTAL 2015</b> |               | <b>TOTAL 2016</b> |               | <b>TOTAL 2017</b> |               | <b>TOTAL 2018</b> |               | <b>TOTAL 2019</b> |               | <b>TOTAL 2019</b> |               | <b>TOTAL 2019</b> |               |  |
|                                    |              |             |                             |                          |                      | \$219,354         |               | \$260,690         |               | \$358,573         |               | \$347,728         |               | \$491,648         |               | \$381,719         |               | \$381,008         |               | \$365,001         |               | \$327,455         |               | \$316,620         |               |  |

## 2012-2021 CAPITAL IMPROVEMENTS PROGRAM

| Description                                      | Rank | 2012      | Rank | 2013      | Rank | 2014 | Rank      | 2015        | Rank | 2016 | Rank | 2017 | Rank | 2018 | Rank | 2019 | Rank | 2020 | Rank | 2021 |
|--|------|-----------|------|-----------|------|------|-----------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|
| <b>Water Fund</b>                                |      |           |      |           |      |      |           |             |      |      |      |      |      |      |      |      |      |      |      |      |
| One Ton Utility Truck Replacement                | 1    | 37,500    |      |           |      |      |           |             |      |      |      |      |      |      |      |      |      |      |      |      |
| Water Meter Upgrade                              | 2    | 417,612   |      |           |      |      |           |             |      |      |      |      |      |      |      |      |      |      |      |      |
| Beech Hill & Foss Farm Water Tank Reconditioning |      |           | 1    | 750,000   |      |      |           |             |      |      |      |      |      |      |      |      |      |      |      |      |
| Spruce Hole Well Development                     |      |           |      |           |      | 1    | 1,415,000 |             |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>TOTAL WATER FUND</b>                          |      | \$455,112 |      | \$750,000 |      |      | \$0       | \$1,415,000 |      | \$0  |      | \$0  |      | \$0  |      | \$0  |      | \$0  |      | \$0  |
| Totals less projects identified below            |      | \$455,112 |      | \$750,000 |      |      | \$0       | \$0         |      | \$0  |      | \$0  |      | \$0  |      | \$0  |      | \$0  |      | \$0  |
| Spruce Hole                                      |      |           |      |           |      |      |           |             |      |      |      |      |      |      |      |      |      |      |      |      |

**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                                 | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13                                    | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|---------------------------------|-------------------------|--------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | 1-Ton Utility Truck Replacement |                         |              | N/A   | Mandated<br>Council Goal<br>Dept. Goal X | X     |       |       |       |       |       |       |       |
| Department   | Public Works                    |                         |              |       |  |       |       |       |       |       |       |       |       |
| Division     | Water                           |                         |              |       |  |       |       |       |       |       |       |       |       |
| Location     | DPW Facility                    |                         |              |       |  |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Replace the Water Division's 2002 Ford 1-ton utility truck.

**RATIONALE: (Cost/Benefit Analysis)**

The current vehicle is a 2002 and on a 10 -12 year replacement schedule. Current unit is the only service vehicle in the Water Division and will have approximately 200,000 miles in 2012. This vehicle is equipped with numerous tools and equipment, such as a generator and a 2 ton crane.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

According to the New England Water Works Association equipment replacement survey 2012 is the optimum time to replace this piece of equipment. We anticipate a \$4,500 trade in.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12  | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL  |
|----------------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| <b>EXPENDITURES:</b> |       |        |       |       |       |       |       |       |       |       |       |        |
| Pre-Design           |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Design               |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Purch/Const.         |       | 37,500 |       |       |       |       |       |       |       |       |       | 37,500 |
| <b>TOTAL</b>         | 0     | 37,500 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 37,500 |
| <b>FUNDING:</b>      |       |        |       |       |       |       |       |       |       |       |       |        |
| Operating Rev.       |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Capital Reserve      |       | 33,000 |       |       |       |       |       |       |       |       |       | 33,000 |
| Bond                 |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Federal              |       |        |       |       |       |       |       |       |       |       |       | 0      |
| State                |       |        |       |       |       |       |       |       |       |       |       | 0      |
| UNH                  |       |        |       |       |       |       |       |       |       |       |       | 0      |
| Trade In             |       | 4,500  |       |       |       |       |       |       |       |       |       | 4,500  |
| Other                |       |        |       |       |       |       |       |       |       |       |       | 0      |
| <b>TOTAL</b>         | 0     | 37,500 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 37,500 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                     | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13                                    | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|---------------------|-------------------------|--------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Water Meter Upgrade |                         |              | N/A   | Mandated<br>Council Goal<br>Dept. Goal X | X     |       |       |       |       |       |       |       |
| Department   | Public Works        |                         |              |       |  |       |       |       |       |       |       |       |       |
| Division     | Water               |                         |              |       |  |       |       |       |       |       |       |       |       |
| Location     | Distribution System |                         |              |       |  |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

The intent of this project is to upgrade the meter reading system to a radio-read system to enable the Town to better account for customer water usage in the system and allow Durham to transition to quarterly billing of all customers (currently, the Town only bills twice a year). Currently, each meter is physically visited each time water meters are read. The radio read system will reduce the time required to read meters by allowing water use data to be electronically collected by simply driving through the neighborhood and the data is automatically collected on a hand held device from inside the vehicle. Not all meters will require replacement; most will only need to have the radio unit attached to the current metering equipment to transmit their data. All of the meters and equipment that are older than 15 years (approximately 40% of the system) will be replaced.

**RATIONALE: (Cost/Benefit Analysis)**

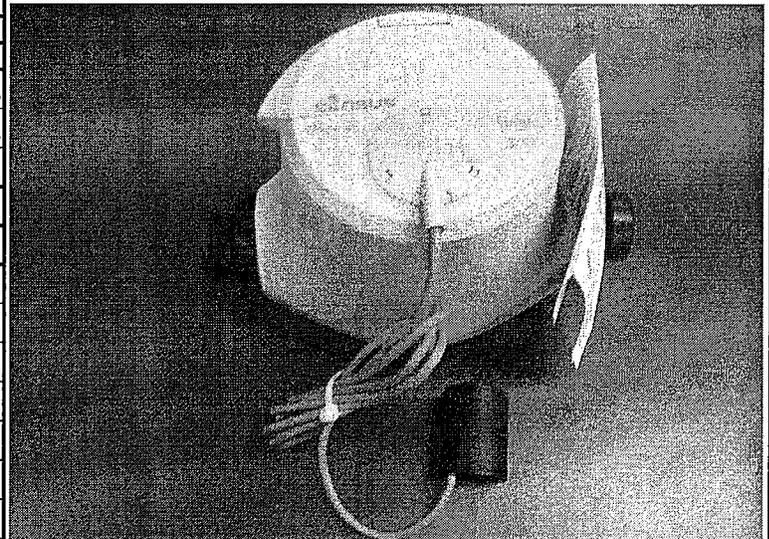
Reading meters at least quarterly is a requirement of New Hampshire's Water Conservation Rules (Env-WS 390) and will be necessary prior to the activation of the new Spruce Hole well. Additionally, the benefits of this system will allow the water system to better implement and enforce the provisions of the UNH/Durham Water System's Water Management Plan. This project ranked high enough on NHDES's funding list to qualify for a "Green Infrastructure" SRF loan and a 20% principal forgiveness grant in the amount of \$83,522.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

The Durham Finance Office will benefit from having all the water use data provided in electronic format and at any frequency necessary.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12   | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL   |
|----------------------|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| <b>EXPENDITURES:</b> |       |         |       |       |       |       |       |       |       |       |       |         |
| Pre-Design           |       |         |       |       |       |       |       |       |       |       |       | 0       |
| Design               |       |         |       |       |       |       |       |       |       |       |       | 0       |
| Purch/Const.         |       | 417,612 |       |       |       |       |       |       |       |       |       | 417,612 |
| <b>TOTAL</b>         | 0     | 417,612 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 417,612 |
| <b>FUNDING:</b>      |       |         |       |       |       |       |       |       |       |       |       |         |
| Operating Rev.       |       |         |       |       |       |       |       |       |       |       |       | 0       |
| Capital Reserve      |       |         |       |       |       |       |       |       |       |       |       | 0       |
| Bond                 |       | 334,090 |       |       |       |       |       |       |       |       |       | 334,090 |
| Federal              |       |         |       |       |       |       |       |       |       |       |       | 0       |
| State                |       | 83,522  |       |       |       |       |       |       |       |       |       | 83,522  |
| UNH                  |       |         |       |       |       |       |       |       |       |       |       | 0       |
| Trade In             |       |         |       |       |       |       |       |       |       |       |       | 0       |
| Other                |       |         |       |       |       |       |       |       |       |       |       | 0       |
| <b>TOTAL</b>         | 0     | 417,612 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 417,612 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|                     |                        |                         |              |       |       |       |       |       |       |       |       |       |       |
|---------------------|------------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name        |                        | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
| Water Tank Painting |                        |                         |              |       |       |       |       |       |       |       |       |       |       |
| Department          | Public Works           |                         |              |       |       |       |       |       |       |       |       |       |       |
| Division            | Water                  |                         |              |       |       |       |       |       |       |       |       |       |       |
| Location            | Foss Farm & Beech Hill | N/A                     | Mandated     |       | X     |       |       |       |       |       |       |       |       |
|                     |                        |                         | Council Goal |       |       |       |       |       |       |       |       |       |       |
|                     |                        |                         | Dept. Goal   | X     |       |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Interior and exterior painting of the 3,000,000 gallon Foss Farm water storage tank and the interior and exterior of the 650,000 gallon Beech Hill water storage tank.

**RATIONALE: (Cost/Benefit Analysis)**

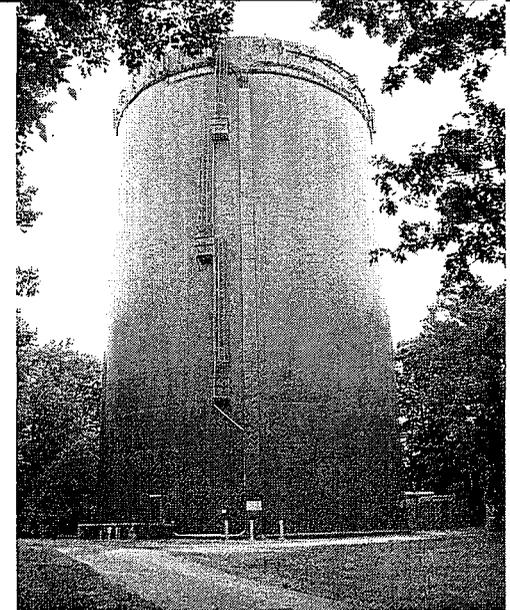
The interior of the Foss Farm tank has not been painted in 17 years and the exterior since 2002 and is showing wear and tear from the elements. The interior of the Beech Hill tank has not been painted in 25 years and the exterior since 2002 and is also beginning to show signs of wear and tear. The estimated costs to rehabilitate the Foss Farm and Beech Hill Tanks are \$450,000 and \$300,000 respectively. UNH will be deferring future maintenance on the 1,000,000 gal Edgewood Road Tank and will contribute 2/3 of the cost of painting the Foss Farm and Beech Hill Tanks.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

No impact on other departments.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12 | FY 13   | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL   |
|----------------------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| <b>EXPENDITURES:</b> |       |       |         |       |       |       |       |       |       |       |       |         |
| Pre-Design           |       |       |         |       |       |       |       |       |       |       |       | 0       |
| Design               |       |       |         |       |       |       |       |       |       |       |       | 0       |
| Purch/Const.         |       |       | 750,000 |       |       |       |       |       |       |       |       | 750,000 |
| <b>TOTAL</b>         | 0     | 0     | 750,000 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 750,000 |
| <b>FUNDING:</b>      |       |       |         |       |       |       |       |       |       |       |       |         |
| Operating Rev.       |       |       |         |       |       |       |       |       |       |       |       | 0       |
| Capital Reserve      |       |       |         |       |       |       |       |       |       |       |       | 0       |
| Bond                 |       |       | 250,000 |       |       |       |       |       |       |       |       | 250,000 |
| Federal              |       |       |         |       |       |       |       |       |       |       |       | 0       |
| State                |       |       |         |       |       |       |       |       |       |       |       | 0       |
| UNH                  |       |       | 500,000 |       |       |       |       |       |       |       |       | 500,000 |
| Trade In             |       |       |         |       |       |       |       |       |       |       |       | 0       |
| Other                |       |       |         |       |       |       |       |       |       |       |       | 0       |
| <b>TOTAL</b>         | 0     | 0     | 750,000 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 750,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**  
**2012 - 2021 CIP Project Description**

|              |                              | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|------------------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Spruce Hole Well Development | Chapter 7<br>pg 7.51    | Mandated     |       |       |       |       |       |       |       |       |       |       |
| Department   | Public Works                 |                         | Council Goal |       |       |       | X     |       |       |       |       |       |       |
| Division     | Water                        |                         | Dept. Goal   | X     |       |       |       |       |       |       |       |       |       |
| Location     | Packers Falls Road           |                         |              |       |       |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Final engineering and construction of a municipal well within the Spruce Hole Aquifer: Based on the preliminary engineering report, the most cost effective approach for connecting a new water source located within the Spruce Hole Aquifer includes utilizing the Lamprey River water main (a.k.a. Lamprey Hard Pipe). This would require sending the water from the new well to the UNH Water Treatment Plant, and at times transferring the water from the Lamprey River, via the capacity of the hard pipe, and discharging it into artificial recharge basins. Raw water from the Lamprey River would be filtered through the sediments of the aquifer and withdrawn by the proposed well as treated water. This cost savings approach reduced the estimated project cost by \$1.8 Million compared to the original estimate. The final design will determine the feasibility of this option.

**RATIONALE: (Cost/Benefit Analysis)**

The Town's Master Plan and 2004 Water Allocation Report calls for the development of the Spruce Hole Aquifer as the next water source for the Durham/UNH community. The demands on the water system at the times of dry/drought conditions lowers surface water supplies, and has the potential of creating an emergency condition for all customers on the water system. The final phase of construction would connect the well to the distribution system.

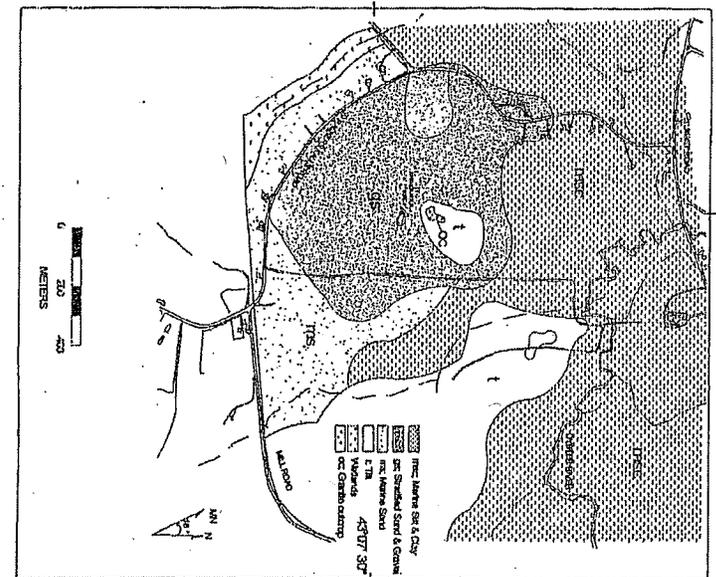
**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

The project would be cost shared with UNH on a 1/3 Town 2/3 UNH basis. At this time future maintenance costs are undetermined, but existing Town staff is confident that we can handle the daily maintenance requirements of a new municipal well.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12 | FY 13 | FY 14 | FY 15     | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL     |
|----------------------|-------|-------|-------|-------|-----------|-------|-------|-------|-------|-------|-------|-----------|
| <b>EXPENDITURES:</b> |       |       |       |       |           |       |       |       |       |       |       |           |
| Pre-Design           |       |       |       |       |           |       |       |       |       |       |       | 0         |
| Design               |       |       |       |       |           |       |       |       |       |       |       | 0         |
| Purch/Const.         |       |       |       |       | 1,415,000 |       |       |       |       |       |       | 1,415,000 |
| <b>TOTAL</b>         | 0     | 0     | 0     | 0     | 1,415,000 | 0     | 0     | 0     | 0     | 0     | 0     | 1,415,000 |
| <b>FUNDING:</b>      |       |       |       |       |           |       |       |       |       |       |       |           |
| Operating Rev.       |       |       |       |       |           |       |       |       |       |       |       | 0         |
| Capital Reserve      |       |       |       |       |           |       |       |       |       |       |       | 0         |
| Bond                 |       |       |       |       | 471,662   |       |       |       |       |       |       | 471,662   |
| Federal              |       |       |       |       |           |       |       |       |       |       |       | 0         |
| State                |       |       |       |       |           |       |       |       |       |       |       | 0         |
| UNH                  |       |       |       |       | 943,338   |       |       |       |       |       |       | 943,338   |
| Trade In             |       |       |       |       |           |       |       |       |       |       |       | 0         |
| Other                |       |       |       |       |           |       |       |       |       |       |       | 0         |
| <b>TOTAL</b>         | 0     | 0     | 0     | 0     | 1,415,000 | 0     | 0     | 0     | 0     | 0     | 0     | 1,415,000 |

Figure 8-2. Surficial Geologic Map at the Spruce Hole Formation (Kolef, 1989).



Sewer Fund Proposed Bond Schedule

| PROJECT NAME                       | PROJECT YEAR | BOND LENGTH | TOTAL AMOUNT BONDED/LEASED | ESTIMATED INTEREST COSTS | TOTAL ESTIMATED COST | 2012 PRINCIPAL | 2012 INTEREST | 2013 PRINCIPAL | 2013 INTEREST | 2014 PRINCIPAL | 2014 INTEREST | 2015 PRINCIPAL | 2015 INTEREST | 2016 PRINCIPAL | 2016 INTEREST | 2017 PRINCIPAL | 2017 INTEREST | 2018 PRINCIPAL | 2018 INTEREST | 2019 PRINCIPAL | 2019 INTEREST | 2020 PRINCIPAL | 2020 INTEREST | 2021 PRINCIPAL | 2021 INTEREST |  |
|------------------------------------|--------------|-------------|----------------------------|--------------------------|----------------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|--|
| Old Concord Road Pump Station      | 2011         | 20          | \$750,000                  | \$281,789                | \$1,011,789          |                |               | \$40,000       | \$27,351      | \$40,000       | \$24,211      | \$40,000       | \$22,847      | \$40,000       | \$21,483      | \$40,000       | \$20,119      | \$40,000       | \$18,755      | \$40,000       | \$17,391      | \$40,000       | \$16,027      | \$40,000       | \$14,663      |  |
| WWTP Phase III Upgrades            | 2012         | 20          | \$1,500,000                | \$634,167                | \$2,134,167          |                |               | \$75,000       | \$64,167      | \$75,000       | \$57,000      | \$75,000       | \$54,000      | \$75,000       | \$51,000      | \$75,000       | \$48,000      | \$75,000       | \$45,000      | \$75,000       | \$42,000      | \$75,000       | \$39,000      | \$75,000       | \$36,000      |  |
| College Brook Interceptor          | 2013         | 20          | \$450,000                  | \$191,516                | \$641,516            |                |               |                |               | \$25,000       | \$20,453      | \$25,000       | \$18,063      | \$25,000       | \$17,000      | \$25,000       | \$15,938      | \$25,000       | \$14,875      | \$25,000       | \$13,813      | \$25,000       | \$12,750      | \$25,000       | \$11,688      |  |
| Sludge Dewatering Equipment        | 2013         | 20          | \$2,500,000                | \$1,123,003              | \$3,623,003          |                |               |                |               | \$125,000      | \$113,628     | \$125,000      | \$100,938     | \$125,000      | \$95,625      | \$125,000      | \$90,313      | \$125,000      | \$85,000      | \$125,000      | \$79,688      | \$125,000      | \$74,375      | \$125,000      | \$69,063      |  |
| Collection System Upgrades         | 2013         | 20          | \$520,000                  | \$226,785                | \$746,785            |                |               |                |               | \$30,000       | \$23,635      | \$30,000       | \$20,825      | \$30,000       | \$19,550      | \$30,000       | \$18,275      | \$25,000       | \$17,000      | \$25,000       | \$15,938      | \$25,000       | \$14,875      | \$25,000       | \$13,813      |  |
| WWTP Phase III Upgrades            | 2014         | 30          | \$10,000,000               | \$8,923,681              | \$18,923,681         |                |               |                |               |                |               | \$335,000      | \$614,931     | \$335,000      | \$555,738     | \$335,000      | \$536,475     | \$335,000      | \$517,213     | \$335,000      | \$497,950     | \$335,000      | \$478,688     | \$335,000      | \$459,425     |  |
| 18" Force Main Replacement         | 2014         | 20          | \$2,200,000                | \$1,046,375              | \$3,246,375          |                |               |                |               |                |               | \$110,000      | \$105,875     | \$110,000      | \$94,050      | \$110,000      | \$89,100      | \$110,000      | \$84,150      | \$110,000      | \$79,200      | \$110,000      | \$74,250      | \$110,000      | \$69,300      |  |
| Diesel Generator Replacement       | 2014         | 10          | \$125,000                  | \$22,179                 | \$147,179            |                |               |                |               |                |               | \$15,000       | \$4,679       | \$15,000       | \$3,850       | \$15,000       | \$3,325       | \$15,000       | \$2,800       | \$15,000       | \$2,275       | \$10,000       | \$1,750       | \$10,000       | \$1,400       |  |
| OUTSTANDING BONDS/LEASES/SRF LOANS |              |             |                            |                          |                      |                |               |                |               |                |               |                |               |                |               |                |               |                |               |                |               |                |               |                |               |  |
| 2002 Bond                          | 2002         | 20          | \$350,075                  |                          |                      | \$38,274       | \$5,000       | \$13,335       | \$3,564       | \$13,335       | \$3,030       | \$12,428       | \$2,497       | \$12,428       | \$1,985       | \$10,889       | \$1,456       | \$10,889       | \$980         | \$10,889       | \$490         |                |               |                |               |  |
| 2006 Bond                          | 2006         | 20          | \$325,489                  |                          |                      | \$14,276       | \$9,085       | \$14,276       | \$8,534       | \$15,060       | \$7,985       | \$15,060       | \$7,400       | \$15,060       | \$6,815       | \$15,401       | \$6,213       | \$15,401       | \$5,597       | \$15,401       | \$4,981       | \$15,401       | \$4,365       | \$15,401       | \$3,749       |  |
| 2008 Bond                          | 2007-2008    | 20          | \$1,663,860                |                          |                      | \$91,500       | \$57,838      | \$91,500       | \$54,864      | \$91,500       | \$51,662      | \$91,500       | \$48,458      | \$94,520       | \$45,028      | \$94,520       | \$40,302      | \$94,520       | \$36,521      | \$73,600       | \$31,795      | \$73,600       | \$28,778      | \$73,600       | \$25,723      |  |
| 2010 Bond                          | 2008-2010    | 20          | \$756,000                  |                          |                      | \$45,000       | \$28,763      | \$45,000       | \$27,413      | \$40,000       | \$26,093      | \$40,000       | \$24,463      | \$40,000       | \$23,263      | \$40,000       | \$22,063      | \$40,000       | \$20,063      | \$40,000       | \$18,863      | \$40,000       | \$16,863      | \$35,000       | \$14,863      |  |
| ARRA Loan                          | 2011         | 20          | \$2,676,640                |                          |                      | \$68,320       | \$44,426      | \$70,000       | \$39,421      | \$70,000       | \$37,248      | \$70,000       | \$35,075      | \$70,000       | \$32,902      | \$70,000       | \$30,730      | \$70,000       | \$28,557      | \$70,000       | \$26,384      | \$65,000       | \$24,211      | \$65,000       | \$22,194      |  |
| SRF Loan                           | 2004         | 20          | \$3,280,757                |                          |                      | \$147,067      | \$88,430      | \$152,481      | \$83,006      | \$158,115      | \$77,383      | \$163,946      | \$71,551      | \$169,993      | \$65,505      | \$176,262      | \$59,236      | \$182,762      | \$52,735      | \$189,503      | \$45,995      | \$196,492      | \$39,006      | \$203,738      | \$31,759      |  |
| TOTALS                             |              |             | \$27,107,801               |                          |                      | \$404,437      | \$233,542     | \$501,602      | \$308,320     | \$683,010      | \$442,298     | \$1,147,934    | \$1,131,602   | \$1,157,001    | \$1,033,794   | \$1,162,072    | \$981,544     | \$1,163,572    | \$929,245     | \$1,149,393    | \$876,762     | \$1,135,493    | \$824,938     | \$1,137,739    | \$773,638     |  |
|                                    |              |             |                            |                          |                      | TOTAL 2012     | TOTAL 2013    | TOTAL 2014     | TOTAL 2015    | TOTAL 2016     | TOTAL 2017    | TOTAL 2018     | TOTAL 2018    |  |
|                                    |              |             |                            |                          |                      | \$637,979      | \$809,922     | \$1,125,308    | \$2,279,536   | \$2,190,795    | \$2,143,616   | \$2,092,817    | \$2,026,155   | \$1,960,431    | \$1,911,377   |                |               |                |               |                |               |                |               |                |               |  |

## 2012-2021 CAPITAL IMPROVEMENTS PROGRAM

| Description                             | Rank | 2012               | Rank | 2013               | Rank | 2014                | Rank | 2015       | Rank | 2016       | Rank | 2017       | Rank | 2018            | Rank | 2019            | Rank | 2020       | Rank | 2021       |
|---|------|--------------------|------|--------------------|------|---------------------|------|------------|------|------------|------|------------|------|-----------------|------|-----------------|------|------------|------|------------|
| <b>Wastewater Fund</b>                  |      |                    |      |                    |      |                     |      |            |      |            |      |            |      |                 |      |                 |      |            |      |            |
| WWTP Phase III                          | 1    | 1,500,000          |      |                    | 1    | 10,000,000          |      |            |      |            |      |            |      |                 |      |                 |      |            |      |            |
| College Brook Interceptor Repair        |      |                    | 1    | 450,000            |      |                     |      |            |      |            |      |            |      |                 |      |                 |      |            |      |            |
| Sludge Dewatering Equipment Replacement |      |                    | 2    | 2,500,000          |      |                     |      |            |      |            |      |            |      |                 |      |                 |      |            |      |            |
| Commercial Lawnmower Replacement        |      |                    | 3    | 10,500             |      |                     |      |            |      |            |      |            |      |                 |      |                 |      |            |      |            |
| Major Components Replacement            |      |                    | 4    | 60,000             | 3    | 60,000              |      |            |      |            |      |            |      |                 |      |                 |      |            |      |            |
| Collection System Upgrades              |      |                    | 5    | 520,000            | 4    | 50,000              |      |            |      |            |      |            |      |                 |      |                 |      |            |      |            |
| Diesel Generator Replacement            |      |                    |      |                    | 2    | 125,000             |      |            |      |            |      |            |      |                 |      |                 |      |            |      |            |
| 18" Force Main Replacement              |      |                    |      |                    | 5    | 2,200,000           |      |            |      |            |      |            |      |                 |      |                 |      |            |      |            |
| 3/4 Ton Pickup Truck Replacement        |      |                    |      |                    |      |                     |      |            |      |            |      |            | 1    | 31,900          | 1    | 32,900          |      |            |      |            |
| <b>TOTAL WASTEWATER FUND</b>            |      | <b>\$1,500,000</b> |      | <b>\$3,540,500</b> |      | <b>\$12,435,000</b> |      | <b>\$0</b> |      | <b>\$0</b> |      | <b>\$0</b> |      | <b>\$31,900</b> |      | <b>\$32,900</b> |      | <b>\$0</b> |      | <b>\$0</b> |
| Totals less projects identified below   |      | \$0                |      | \$1,040,500        |      | \$235,000           |      | \$0        |      | \$0        |      | \$0        |      | \$31,900        |      | \$32,900        |      | \$0        |      | \$0        |
|   |      | Phase III          |      | Sludge Equip       |      | Phase III           |      |            |      |            |      |            |      |                 |      |                 |      |            |      |            |
|   |      |                    |      |                    |      | Force Main          |      |            |      |            |      |            |      |                 |      |                 |      |            |      |            |

**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                            | MASTER PLAN INFORMATION | PROJECT NEED | FY 12             | FY 13                                      | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|----------------------------|-------------------------|--------------|-------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | WWTP Phase III             |                         |              | Chapter 7<br>7.39 | Mandated X<br>Council Goal<br>Dept. Goal X | X     |       |       |       |       |       |       |       |
| Department   | Public Works               |                         |              |                   |  |       |       |       |       |       |       |       |       |
| Division     | Wastewater                 |                         |              |                   |  |       |       |       |       |       |       |       |       |
| Location     | Wastewater Treatment Plant |                         |              |                   |  |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

This project consists of two phases. Phase I of this project is engineering the design and treatment modifications to meet the new standards of our National Pollution Discharge Elimination System (NPDES). Phase II is the implementation of the modifications from Phase I to again meet the standards set by NPDES. The NPDES discharge permit is a federal permit which allows the Town of Durham Wastewater Treatment Facility to safely discharge effluent (treated) water into the Oyster River.

**RATIONALE: (Cost/Benefit Analysis)**

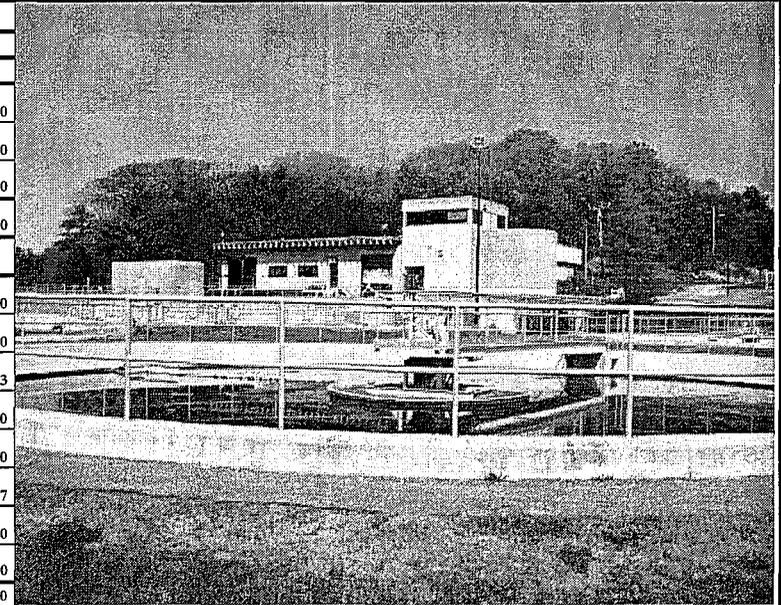
Permit renewal was due in 2005. EPA should have issued a new draft and final NPDES permit in 2004 for the 2005-2010 time frame. **As of the writing of this document the town has still not received a new National Pollution Discharge Elimination System (NPDES) Permit.** Stricter limits on Copper, Zinc, Nitrogen and Ammonia are expected. In the Town's updated Wastewater Facility Plan, completed in 2000, Wright-Pierce Engineering recommends extending the Wastewater Treatment Plant's discharge pipe further down the Oyster River Estuary to increase the dilution factor and meet the anticipated limits. Extending the outfall, advanced treatment, a regional outfall, and/or dredging may be solutions to meet the anticipated 2005-2010 permit. Currently DPW is in the process of updating a new Wastewater Facility Plan which will carry us from 2011- 2020. Upon arrival of the pending NHDES Permit, engineering & design is anticipated to start in 2011, construction is then anticipated to begin in 2013.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

Funding will come from the joint Town of Durham and UNH Capital Reserve Fund, bonding and possible assistance by the State Revolving Loan Fund offered by the State of New Hampshire.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12     | FY 13 | FY 14      | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL      |
|----------------------|-------|-----------|-------|------------|-------|-------|-------|-------|-------|-------|-------|------------|
| <b>EXPENDITURES:</b> |       |           |       |            |       |       |       |       |       |       |       |            |
| Pre-Design           |       |           |       |            |       |       |       |       |       |       |       | 0          |
| Design               |       |           |       |            |       |       |       |       |       |       |       | 0          |
| Purch/Const.         |       | 1,500,000 |       | 10,000,000 |       |       |       |       |       |       |       | 11,500,000 |
| <b>TOTAL</b>         | 0     | 1,500,000 | 0     | 10,000,000 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 11,500,000 |
| <b>FUNDING:</b>      |       |           |       |            |       |       |       |       |       |       |       |            |
| Operating Rev.       |       |           |       |            |       |       |       |       |       |       |       | 0          |
| Capital Reserve      |       |           |       |            |       |       |       |       |       |       |       | 0          |
| Bond                 |       | 500,000   |       | 3,333,333  |       |       |       |       |       |       |       | 3,833,333  |
| Federal              |       |           |       |            |       |       |       |       |       |       |       | 0          |
| State                |       |           |       |            |       |       |       |       |       |       |       | 0          |
| UNH                  |       | 1,000,000 |       | 6,666,667  |       |       |       |       |       |       |       | 7,666,667  |
| Trade In             |       |           |       |            |       |       |       |       |       |       |       | 0          |
| Other                |       |           |       |            |       |       |       |       |       |       |       | 0          |
| <b>TOTAL</b>         | 0     | 1,500,000 | 0     | 10,000,000 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 11,500,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**

**2012 - 2021 CIP Project Description**

|              |                           | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13  | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |  |
|--------------|---------------------------|-------------------------|--------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Project Name | College Brook Interceptor |                         |              | N/A   | Mandated <input checked="" type="checkbox"/><br>Council Goal<br>Dept. Goal <input checked="" type="checkbox"/> |       |       |       |       |       |       |       |       |  |
| Department   | Public Works              |                         | <b>X</b>     |       |  |       |       |       |       |       |       |       |       |  |
| Division     | Wastewater                |                         |              |       |  |       |       |       |       |       |       |       |       |  |
| Location     | College Brook Interceptor |                         |              |       |  |       |       |       |       |       |       |       |       |  |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Repair 8" College Brook Interceptor.

**RATIONALE: (Cost/Benefit Analysis)**

The current College Brook Interceptor is an old 8" 1,645 ft clay pipe with cracks and tree root problems. This line runs along College Brook from Rudman pump station to the Memorial Union Building and is in a very environmentally sensitive area. Due to the location non traditional methods such as Directional Boring should be explored vs. traditional open trench methods. UNH will participate monetarily with 66% of this upgrade.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

This should correct both collection and environmental issues in this sensitive corridor, which will reduce staff time maintaining this collection line.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12 | FY 13   | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL   |
|----------------------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| <b>EXPENDITURES:</b> |       |       |         |       |       |       |       |       |       |       |       |         |
| Pre-Design           |       |       |         |       |       |       |       |       |       |       |       | 0       |
| Design               |       |       | 50,000  |       |       |       |       |       |       |       |       | 50,000  |
| Purch/Const.         |       |       | 400,000 |       |       |       |       |       |       |       |       | 400,000 |
| <b>TOTAL</b>         | 0     | 0     | 450,000 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 450,000 |
| <b>FUNDING:</b>      |       |       |         |       |       |       |       |       |       |       |       |         |
| Operating Rev.       |       |       |         |       |       |       |       |       |       |       |       | 0       |
| Capital Reserve      |       |       |         |       |       |       |       |       |       |       |       | 0       |
| Bond                 |       |       | 150,000 |       |       |       |       |       |       |       |       | 150,000 |
| Federal              |       |       |         |       |       |       |       |       |       |       |       | 0       |
| State                |       |       |         |       |       |       |       |       |       |       |       | 0       |
| UNH                  |       |       | 300,000 |       |       |       |       |       |       |       |       | 300,000 |
| Trade In             |       |       |         |       |       |       |       |       |       |       |       | 0       |
| Other                |       |       |         |       |       |       |       |       |       |       |       | 0       |
| <b>TOTAL</b>         | 0     | 0     | 450,000 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 450,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**  
**2012 - 2021 CIP Project Description**

|              |                             | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13  | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |  |
|--------------|-----------------------------|-------------------------|--------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Project Name | Sludge Dewatering Equipment |                         |              | N/A   | Mandated <input checked="" type="checkbox"/><br>Council Goal<br>Dept. Goal <input checked="" type="checkbox"/> |       |       |       |       |       |       |       |       |  |
| Department   | Public Works                |                         |              |       |  |       |       |       |       |       |       |       |       |  |
| Division     | Wastewater                  |                         |              |       |  |       |       |       |       |       |       |       |       |  |
| Location     | Wastewater Treatment Plant  |                         |              |       |  |       |       |       |       |       |       |       |       |  |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

The existing 25 year old Sludge Dewatering Equipment is in need of replacement, specifically the filter belt press and gravity belt thickener.

**RATIONALE: (Cost/Benefit Analysis)**

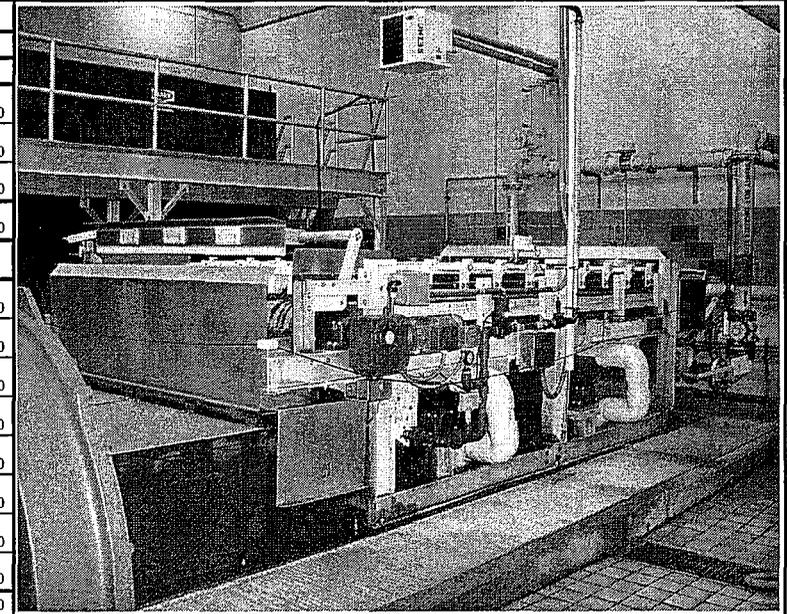
This specialized equipment removes the wastewater from the solids and allows for the thickening of the solids to a sludge material, enabling it to be transported offsite. Pending the recommendation of the upcoming Wastewater Facilities Plan this piece of equipment should decrease the liquid content of the sludge and should result in a 10% decrease to the sludge disposal cost which is determined by the weight of the material.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

Reduction of future maintenance costs. New equipment should decrease our sludge disposal costs by approximately \$15,000 per year and \$150,000 over the next 10 years.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12 | FY 13     | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL     |
|----------------------|-------|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| <b>EXPENDITURES:</b> |       |       |           |       |       |       |       |       |       |       |       |           |
| Pre-Design           |       |       |           |       |       |       |       |       |       |       |       | 0         |
| Design               |       |       |           |       |       |       |       |       |       |       |       | 0         |
| Purch/Const.         |       |       | 2,500,000 |       |       |       |       |       |       |       |       | 2,500,000 |
| <b>TOTAL</b>         | 0     | 0     | 2,500,000 |       | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 2,500,000 |
| <b>FUNDING:</b>      |       |       |           |       |       |       |       |       |       |       |       |           |
| Operating Rev.       |       |       |           |       |       |       |       |       |       |       |       | 0         |
| Capital Reserve      |       |       |           |       |       |       |       |       |       |       |       | 0         |
| Bond                 |       |       | 625,000   |       |       |       |       |       |       |       |       | 625,000   |
| Federal              |       |       |           |       |       |       |       |       |       |       |       | 0         |
| State                |       |       | 625,000   |       |       |       |       |       |       |       |       | 625,000   |
| UNH                  |       |       | 1,250,000 |       |       |       |       |       |       |       |       | 1,250,000 |
| Trade In             |       |       |           |       |       |       |       |       |       |       |       | 0         |
| Other                |       |       |           |       |       |       |       |       |       |       |       | 0         |
| <b>TOTAL</b>         | 0     | 0     | 2,500,000 |       | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 2,500,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**  
**2012 - 2021 CIP Project Description**

|              |                            | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13                                    | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|----------------------------|-------------------------|--------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Commercial Lawnmower       |                         |              | N/A   | Mandated<br>Council Goal<br>Dept. Goal X |       | X     |       |       |       |       |       |       |
| Department   | Public Works               |                         |              |       |  |       |       |       |       |       |       |       |       |
| Division     | Wastewater                 |                         |              |       |  |       |       |       |       |       |       |       |       |
| Location     | Wastewater Treatment Plant |                         |              |       |  |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Replacement of 2005 zero turning radius commercial lawn mower needed to maintain the five acre Wastewater Treatment site.

**RATIONALE: (Cost/Benefit Analysis)**

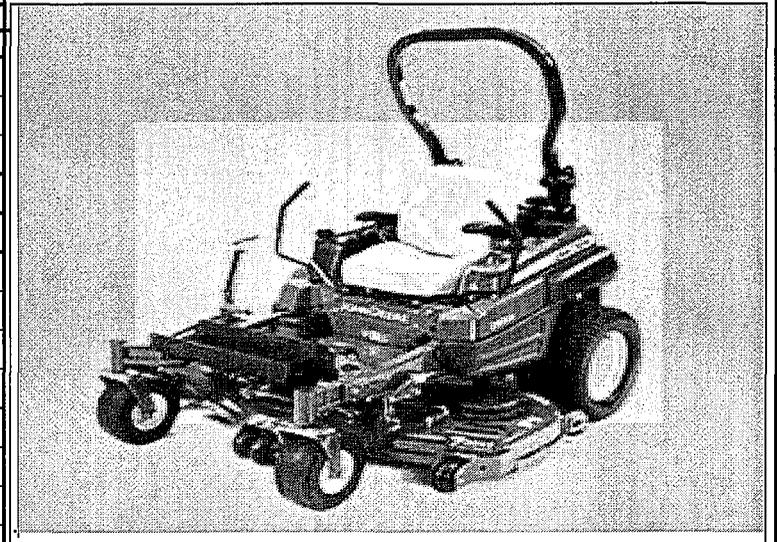
The current mower will be 8 years old in 2013 and due to wear and tear and reduced performance needs to be replaced.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

Minor routine maintenance.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12 | FY 13  | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL  |
|----------------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| <b>EXPENDITURES:</b> |       |       |        |       |       |       |       |       |       |       |       |        |
| Pre-Design           |       |       |        |       |       |       |       |       |       |       |       | 0      |
| Design               |       |       |        |       |       |       |       |       |       |       |       | 0      |
| Purch/Const.         |       |       | 10,500 |       |       |       |       |       |       |       |       | 10,500 |
| <b>TOTAL</b>         | 0     | 0     | 10,500 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 10,500 |
| <b>FUNDING:</b>      |       |       |        |       |       |       |       |       |       |       |       |        |
| Operating Rev.       |       |       | 3,500  |       |       |       |       |       |       |       |       | 3,500  |
| Capital Reserve      |       |       |        |       |       |       |       |       |       |       |       | 0      |
| Bond                 |       |       |        |       |       |       |       |       |       |       |       | 0      |
| Federal              |       |       |        |       |       |       |       |       |       |       |       | 0      |
| State                |       |       |        |       |       |       |       |       |       |       |       | 0      |
| UNH                  |       |       | 7,000  |       |       |       |       |       |       |       |       | 7,000  |
| Trade In             |       |       |        |       |       |       |       |       |       |       |       | 0      |
| Other                |       |       |        |       |       |       |       |       |       |       |       | 0      |
| <b>TOTAL</b>         | 0     | 0     | 10,500 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 10,500 |



**TOWN OF DURHAM, NEW HAMPSHIRE**  
**2012 - 2021 CIP Project Description**

|              |                            | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|----------------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Major Components           |                         |              |       |       |       |       |       |       |       |       |       |       |
| Department   | Public Works               | Chapter 7<br>7.40       | Mandated     |       |       |       |       |       |       |       |       |       |       |
| Division     | Wastewater                 |                         | Council Goal |       | X     | X     |       |       |       |       |       |       |       |
| Location     | Wastewater Treatment Plant |                         | Dept. Goal   | X     |       |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Major Components are typically laboratory or processing equipment upgrades which are currently in need of replacement for the waste water process to continuing running efficiently. The mechanical equipment within the wastewater division is used twenty four hours a day, seven days a week. The components listed below are all between 18 years old and 30 years old.

**RATIONALE: (Cost/Benefit Analysis)**

2013 - Replace diffusers in aeration tanks - \$60,000

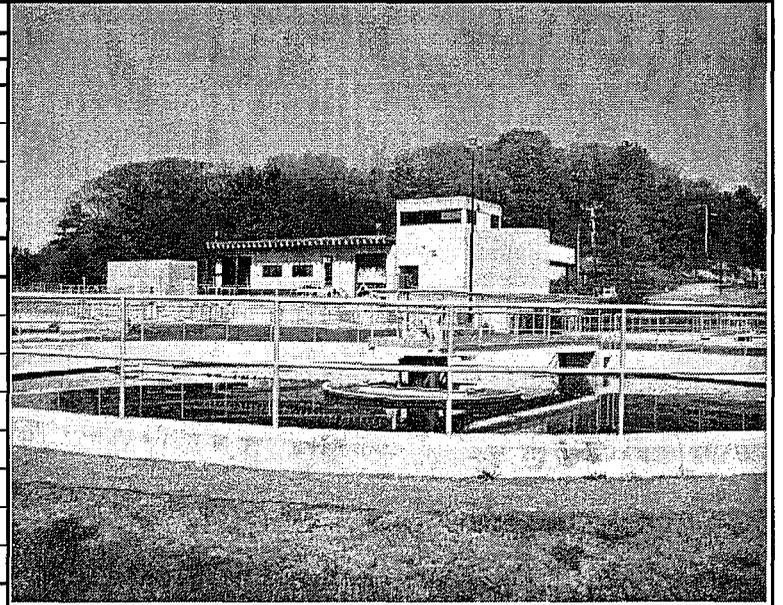
2014 - Replace 3 primary and 3 secondary waste/transfer pumps - 6 @ \$10,000 each = \$60,000

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

These upgrades are necessary due to age, and wear and tear. No change to the operating budget if replaced on schedule.

**FINANCIAL PLAN**

|                      | PRIOR         | FY 12    | FY 13         | FY 14         | FY 15    | FY 16    | FY 17    | FY 18    | FY 19    | FY 20    | FY 21    | TOTAL          |
|----------------------|---------------|----------|---------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------------|
| <b>EXPENDITURES:</b> |               |          |               |               |          |          |          |          |          |          |          |                |
| Pre-Design           |               |          |               |               |          |          |          |          |          |          |          | 0              |
| Design               |               |          |               |               |          |          |          |          |          |          |          | 0              |
| Purch/Const.         | 17,500        |          | 60,000        | 60,000        |          |          |          |          |          |          |          | 137,500        |
| <b>TOTAL</b>         | <b>17,500</b> | <b>0</b> | <b>60,000</b> | <b>60,000</b> | <b>0</b> | <b>137,500</b> |
| <b>FUNDING:</b>      |               |          |               |               |          |          |          |          |          |          |          |                |
| Operating Rev.       | 5,833         |          | 20,000        | 20,000        |          |          |          |          |          |          |          | 45,833         |
| Capital Reserve      |               |          |               |               |          |          |          |          |          |          |          | 0              |
| Bond                 |               |          |               |               |          |          |          |          |          |          |          | 0              |
| Federal              |               |          |               |               |          |          |          |          |          |          |          | 0              |
| State                |               |          |               |               |          |          |          |          |          |          |          | 0              |
| UNH                  | 11,667        |          | 40,000        | 40,000        |          |          |          |          |          |          |          | 91,667         |
| Trade In             |               |          |               |               |          |          |          |          |          |          |          | 0              |
| Other                |               |          |               |               |          |          |          |          |          |          |          | 0              |
| <b>TOTAL</b>         | <b>17,500</b> | <b>0</b> | <b>60,000</b> | <b>60,000</b> | <b>0</b> | <b>137,500</b> |



**TOWN OF DURHAM, NEW HAMPSHIRE**  
**2012 - 2021 CIP Project Description**

|              |                            | MASTER PLAN INFORMATION | PROJECT NEED | FY 12             | FY 13                                      | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |  |
|--------------|----------------------------|-------------------------|--------------|-------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Project Name | Collection System Upgrades |                         |              | Chapter 7<br>7.42 | Mandated X<br>Council Goal<br>Dept. Goal X |       |       |       |       |       |       |       |       |  |
| Department   | Public Works               |                         | X            |                   |  | X     |       |       |       |       |       |       |       |  |
| Division     | Wastewater                 |                         |              |                   |  |       |       |       |       |       |       |       |       |  |
| Location     | Various                    |                         |              |                   |  |       |       |       |       |       |       |       |       |  |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Repairs will be made to the wastewater collection system including line replacement and line repairs, engineering investigation, sewer manhole rehabilitation or replacement. This project also includes inflow and infiltration within the wastewater collection system. Inflow is the illegal connection of plumbing such as a sump pump into the Wastewater Collection System and infiltration is the seepage of groundwater or stormwater into the Wastewater Collection System

**RATIONALE: (Cost/Benefit Analysis)**

2013 - Upgrade of the Pettee Brook Interceptor consisting of the Replacement of 1000 ft of collection pipe and 10 sewer manholes between the South facing houses on Woodman Road and the Pettee Brook stream - \$520,000

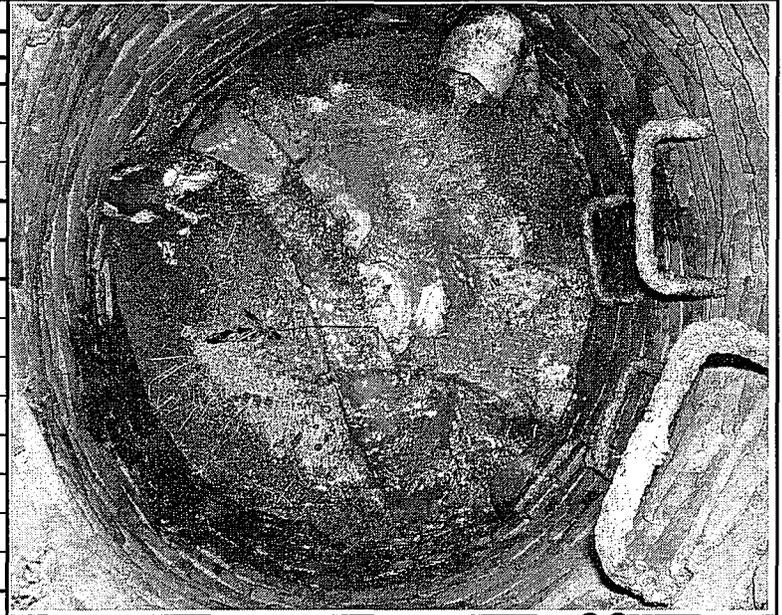
2014 - Woodside/Briarwood/Bagdad Investigation - \$50,000

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

The amount of staff time spent on collection system maintenance will decrease as these problem areas are corrected.

**FINANCIAL PLAN**

|                      | PRIOR    | FY 12    | FY 13          | FY 14         | FY 15    | FY 16    | FY 17    | FY 18    | FY 19    | FY 20    | FY 21    | TOTAL          |
|----------------------|----------|----------|----------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------------|
| <b>EXPENDITURES:</b> |          |          |                |               |          |          |          |          |          |          |          |                |
| Pre-Design           |          |          |                |               |          |          |          |          |          |          |          | 0              |
| Design               |          |          |                |               |          |          |          |          |          |          |          | 0              |
| Purch/Const.         |          |          | 520,000        | 50,000        |          |          |          |          |          |          |          | 570,000        |
| <b>TOTAL</b>         | <b>0</b> | <b>0</b> | <b>520,000</b> | <b>50,000</b> | <b>0</b> | <b>570,000</b> |
| <b>FUNDING:</b>      |          |          |                |               |          |          |          |          |          |          |          |                |
| Operating Rev.       |          |          |                | 50,000        |          |          |          |          |          |          |          | 50,000         |
| Capital Reserve      |          |          |                |               |          |          |          |          |          |          |          | 0              |
| Bond                 |          |          | 520,000        |               |          |          |          |          |          |          |          | 520,000        |
| Federal              |          |          |                |               |          |          |          |          |          |          |          | 0              |
| State                |          |          |                |               |          |          |          |          |          |          |          | 0              |
| UNH                  |          |          |                |               |          |          |          |          |          |          |          | 0              |
| Trade In             |          |          |                |               |          |          |          |          |          |          |          | 0              |
| Other                |          |          |                |               |          |          |          |          |          |          |          | 0              |
| <b>TOTAL</b>         | <b>0</b> | <b>0</b> | <b>520,000</b> | <b>50,000</b> | <b>0</b> | <b>570,000</b> |



**TOWN OF DURHAM, NEW HAMPSHIRE**  
**2012 - 2021 CIP Project Description**

|              |                              | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13                                    | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|------------------------------|-------------------------|--------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | Diesel Generator Replacement |                         |              | N/A   | Mandated<br>Council Goal<br>Dept. Goal X |       |       | X     |       |       |       |       |       |
| Department   | Public Works                 |                         |              |       |  |       |       |       |       |       |       |       |       |
| Division     | Wastewater                   |                         |              |       |  |       |       |       |       |       |       |       |       |
| Location     | Wastewater Treatment Plant   |                         |              |       |  |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

Replacement of Wastewater diesel generator.

**RATIONALE: (Cost/Benefit Analysis)**

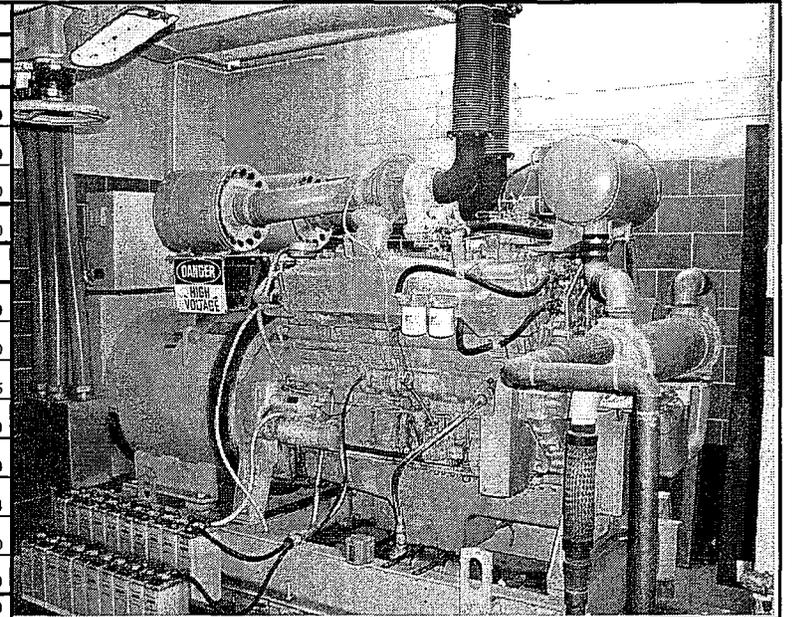
Emergency generator to run the Wastewater Treatment Plant in a power failure. Current unit is a 1995 model and has a 15 year life expectancy.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

No future impact on maintenance costs.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12 | FY 13 | FY 14   | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL   |
|----------------------|-------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|---------|
| <b>EXPENDITURES:</b> |       |       |       |         |       |       |       |       |       |       |       |         |
| Pre-Design           |       |       |       |         |       |       |       |       |       |       |       | 0       |
| Design               |       |       |       |         |       |       |       |       |       |       |       | 0       |
| Purch/Const.         |       |       |       | 125,000 |       |       |       |       |       |       |       | 125,000 |
| <b>TOTAL</b>         | 0     | 0     | 0     | 125,000 |       | 0     | 0     | 0     | 0     | 0     | 0     | 125,000 |
| <b>FUNDING:</b>      |       |       |       |         |       |       |       |       |       |       |       |         |
| Operating Rev.       |       |       |       |         |       |       |       |       |       |       |       | 0       |
| Capital Reserve      |       |       |       |         |       |       |       |       |       |       |       | 0       |
| Bond                 |       |       |       | 41,666  |       |       |       |       |       |       |       | 41,666  |
| Federal              |       |       |       |         |       |       |       |       |       |       |       | 0       |
| State                |       |       |       |         |       |       |       |       |       |       |       | 0       |
| UNH                  |       |       |       | 83,334  |       |       |       |       |       |       |       | 83,334  |
| Trade In             |       |       |       |         |       |       |       |       |       |       |       | 0       |
| Other                |       |       |       |         |       |       |       |       |       |       |       | 0       |
| <b>TOTAL</b>         | 0     | 0     | 0     | 125,000 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 125,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**  
**2012 - 2021 CIP Project Description**

|              |                            | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|----------------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | 18" Force Main             |                         |              |       |       |       |       |       |       |       |       |       |       |
| Department   | Public Works               | N/A                     | Mandated     | X     |       |       |       |       |       |       |       |       |       |
| Division     | Wastewater                 |                         | Council Goal |       |       | X     |       |       |       |       |       |       |       |
| Location     | Wastewater Treatment Plant |                         | Dept. Goal   | X     |       |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

This 18-inch diameter wastewater force main pipe carries all of the Town's wastewater (up to 2.4 million gallons per day) under pressure from the Dover Road Wastewater Pump Station to Durham's Wastewater Treatment Plant. This pipe was constructed of asbestos cement in the mid-1960s and is approaching the end of its useful life. It is anticipated that the pipe will be replaced along a similar alignment using modern methods and materials that are longer lasting.

**RATIONALE: (Cost/Benefit Analysis)**

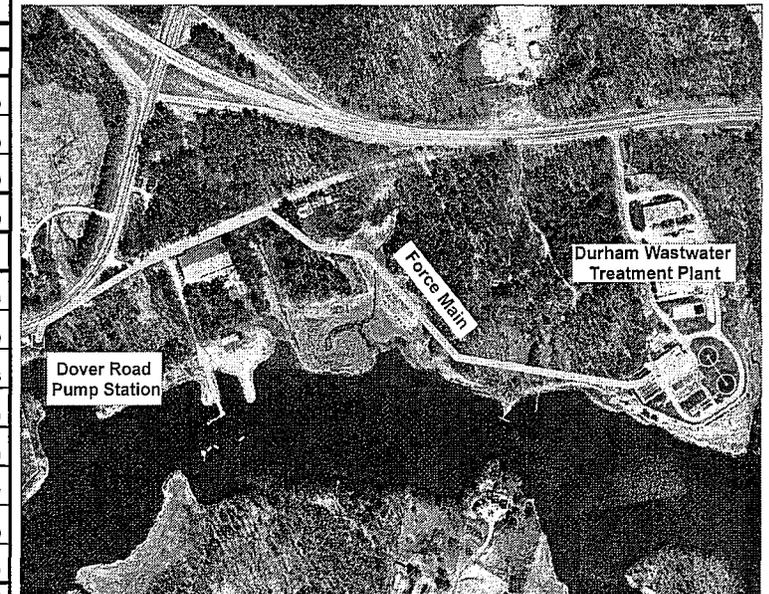
An investigation of pipe in 2008 revealed signs of diminished pipe capacity. Asbestos cement piping is no longer used in the industry because of its tendency to deteriorate over time, which is particularly a problem with piping that is under pressure.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

No impact on operating budget.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12 | FY 13 | FY 14     | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL     |
|----------------------|-------|-------|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-----------|
| <b>EXPENDITURES:</b> |       |       |       |           |       |       |       |       |       |       |       |           |
| Pre-Design           |       |       |       |           |       |       |       |       |       |       |       | 0         |
| Design               |       |       |       |           |       |       |       |       |       |       |       | 0         |
| Purch/Const.         |       |       |       | 2,200,000 |       |       |       |       |       |       |       | 2,200,000 |
| <b>TOTAL</b>         | 0     | 0     | 0     | 2,200,000 |       | 0     | 0     | 0     | 0     | 0     | 0     | 2,200,000 |
| <b>FUNDING:</b>      |       |       |       |           |       |       |       |       |       |       |       |           |
| Operating Rev.       |       |       |       |           |       |       |       |       |       |       |       | 0         |
| Capital Reserve      |       |       |       |           |       |       |       |       |       |       |       | 0         |
| Bond                 |       |       |       | 733,333   |       |       |       |       |       |       |       | 733,333   |
| Federal              |       |       |       |           |       |       |       |       |       |       |       | 0         |
| State                |       |       |       |           |       |       |       |       |       |       |       | 0         |
| UNH                  |       |       |       | 1,466,667 |       |       |       |       |       |       |       | 1,466,667 |
| Trade In             |       |       |       |           |       |       |       |       |       |       |       | 0         |
| Other                |       |       |       |           |       |       |       |       |       |       |       | 0         |
| <b>TOTAL</b>         | 0     | 0     | 0     | 2,200,000 |       | 0     | 0     | 0     | 0     | 0     | 0     | 2,200,000 |



**TOWN OF DURHAM, NEW HAMPSHIRE**  
**2012 - 2021 CIP Project Description**

|              |                             | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |
|--------------|-----------------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Project Name | 3/4 Ton Pick-up Replacement |                         |              |       |       |       |       |       |       |       |       |       |       |
| Department   | Public Works                | N/A                     | Mandated     |       |       |       |       |       |       |       |       |       |       |
| Division     | Wastewater                  |                         | Council Goal |       |       |       |       |       |       | X     | X     |       |       |
| Location     | Wastewater Treatment Plant  |                         | Dept. Goal   | X     |       |       |       |       |       |       |       |       |       |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

The Wastewater treatment Plant motor pool consists of two ¾ Ton pickup trucks which are on a 10 -12 year replacement plan. According to this plan the 2007 ¾ Ton Pick-up Truck will be replaced in 2018 and the 2008 ¾ Ton Pick-up truck in 2019.

**RATIONALE: (Cost/Benefit Analysis)**

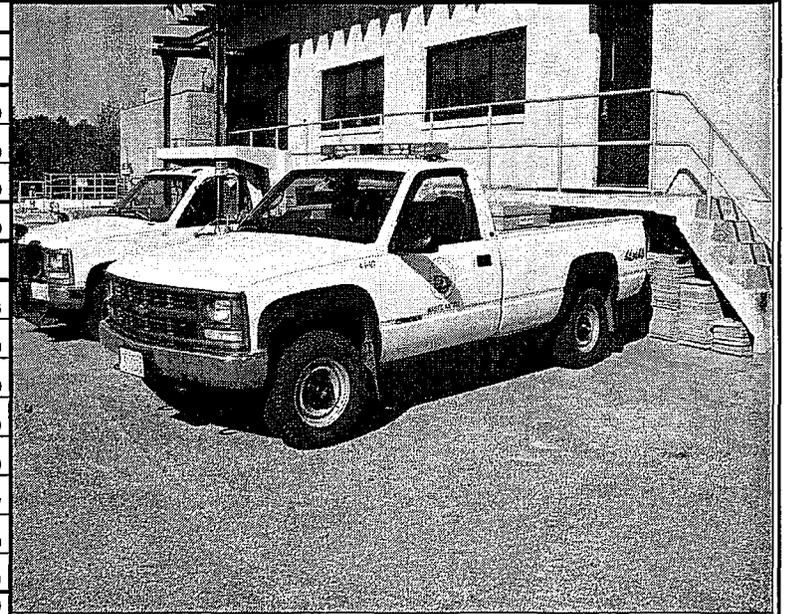
The Wastewater Division has 2 Pick-up trucks which are utilized by 5 employees. This Division is responsible for the maintenance of the Treatment Plant, Wastewater Collection System and five Pump Stations.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

No impact to other Departments, normal future maintenance costs (i.e. tires, battery, oil, filters). This division has downsized these vehicles over the past 10 years.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18  | FY 19  | FY 20 | FY 21 | TOTAL  |
|----------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|--------|
| <b>EXPENDITURES:</b> |       |       |       |       |       |       |       |        |        |       |       |        |
| Pre-Design           |       |       |       |       |       |       |       |        |        |       |       | 0      |
| Design               |       |       |       |       |       |       |       |        |        |       |       | 0      |
| Purch/Const.         |       |       |       |       |       |       |       | 31,900 | 32,900 |       |       | 64,800 |
| <b>TOTAL</b>         | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 31,900 | 32,900 |       | 0     | 64,800 |
| <b>FUNDING:</b>      |       |       |       |       |       |       |       |        |        |       |       |        |
| Operating Rev.       |       |       |       |       |       |       |       | 9,633  | 9,800  |       |       | 19,433 |
| Capital Reserve      |       |       |       |       |       |       |       |        |        |       |       | 0      |
| Bond                 |       |       |       |       |       |       |       |        |        |       |       | 0      |
| Federal              |       |       |       |       |       |       |       |        |        |       |       | 0      |
| State                |       |       |       |       |       |       |       |        |        |       |       | 0      |
| UNH                  |       |       |       |       |       |       |       | 19,267 | 19,600 |       |       | 38,867 |
| Trade In             |       |       |       |       |       |       |       | 3,000  | 3,500  |       |       | 6,500  |
| Other                |       |       |       |       |       |       |       |        |        |       |       | 0      |
| <b>TOTAL</b>         | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 31,900 | 32,900 |       | 0     | 64,800 |



## 2012-2021 CAPITAL IMPROVEMENTS PROGRAM

| Description   | Rank | 2012 | Rank | 2013 | Rank | 2014 | Rank | 2015 | Rank | 2016 | Rank | 2017     | Rank | 2018 | Rank | 2019 | Rank | 2020 | Rank | 2021 |
|---|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|------|------|------|------|
| <i>TIF DISTRICT</i>   |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |
| Phase III - Infrastructure Improvements (Trail to Durham Business Park) |      |      |      |      |      |      |      |      |      |      | 1    | 79,030   |      |      |      |      |      |      |      |      |
| <b>TOTAL TIF DISTRICT</b>   |      | \$0  |      | \$0  |      | \$0  |      | \$0  |      | \$0  |      | \$79,030 |      | \$0  |      | \$0  |      | \$0  |      | \$0  |

**TOWN OF DURHAM, NEW HAMPSHIRE**  
**2012 - 2021 CIP Project Description**

|              |                                 | MASTER PLAN INFORMATION | PROJECT NEED | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 |  |
|--------------|---------------------------------|-------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Project Name | TIF District Phase III          |                         |              |       |       |       |       |       |       |       |       |       |       |  |
| Department   | Infrastructure Improvement      | N/A                     | Mandated     |       |       |       |       |       |       |       |       |       |       |  |
| Division     | Public Works                    |                         | Council Goal | X     |       |       |       |       |       | X     |       |       |       |  |
| Location     | Jackson's Landing/Business Park |                         | Dept. Goal   |       |       |       |       |       |       |       |       |       |       |  |

**PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT**

**DESCRIPTION:**

The third phase of the creation of a Tax Increment Finance (TIF) District includes a 1500 foot multi purpose trail from Jackson's Landing to the Durham Business Park.

**RATIONALE: (Cost/Benefit Analysis)**

The Town rationale for recreation parking and trails is to balance the TIF district with both infrastructure and recreational improvements. The trail will allow for safer travel between the two locations.

**OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)**

Minor impact to the Public Works budget and staff due to summer and winter maintenance.

**FINANCIAL PLAN**

|                      | PRIOR | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17  | FY 18 | FY 19 | FY 20 | FY 21 | TOTAL  |
|----------------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|--------|
| <b>EXPENDITURES:</b> |       |       |       |       |       |       |        |       |       |       |       |        |
| Pre-Design           |       |       |       |       |       |       |        |       |       |       |       | 0      |
| Design               |       |       |       |       |       |       |        |       |       |       |       | 0      |
| Purch/Const.         |       |       |       |       |       |       | 79,030 |       |       |       |       | 79,030 |
| <b>TOTAL</b>         | 0     | 0     | 0     | 0     | 0     | 0     | 79,030 | 0     | 0     | 0     | 0     | 79,030 |
| <b>FUNDING:</b>      |       |       |       |       |       |       |        |       |       |       |       |        |
| Operating Rev.       |       |       |       |       |       |       |        |       |       |       |       | 0      |
| Capital Reserve      |       |       |       |       |       |       |        |       |       |       |       | 0      |
| Bond                 |       |       |       |       |       |       |        |       |       |       |       | 0      |
| Federal              |       |       |       |       |       |       |        |       |       |       |       | 0      |
| State                |       |       |       |       |       |       |        |       |       |       |       | 0      |
| UNH                  |       |       |       |       |       |       |        |       |       |       |       | 0      |
| Trade In             |       |       |       |       |       |       |        |       |       |       |       | 0      |
| Other                |       |       |       |       |       |       | 79,030 |       |       |       |       | 79,030 |
| <b>TOTAL</b>         | 0     | 0     | 0     | 0     | 0     | 0     | 79,030 | 0     | 0     | 0     | 0     | 79,030 |

