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Draft Report

# Pavement Management Study

Blackstone, Massachusetts

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PREPARED FOR

Dori Vecchio  
Town Administrator  
Town of Blackstone

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PREPARED BY



120 Front Street  
Suite 500  
Worcester, MA

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# 1

## Introduction

In the Spring of 2022, the Town of Blackstone retained Vanasse Hangen Brustlin, Inc. (VHB) to perform a pavement condition evaluation on the 49 miles of Town-maintained roadways.

Under the scope of this project, VHB performed an inspection of the pavement conditions of all Town maintained roads and performed an analysis of the road conditions and budget requirements to maintain the road network. VHB has also provided the Town with access to the cloud-based pavement management software used to perform the analysis, so the Town can update the data and perform additional future analysis.

This report describes the steps taken in this project, the results of the field evaluations, and compares the results of potential roadway funding scenarios.

# 2

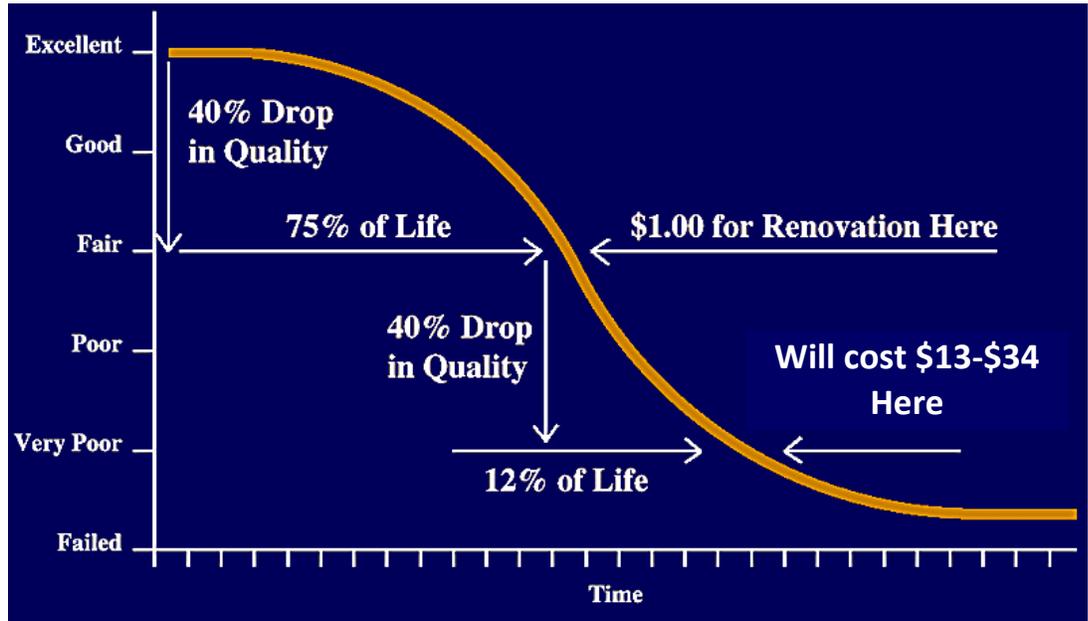
## Pavement Management

Pavement management is the process of planning for the maintenance and repair of a network of roadways or other paved facilities to optimize pavement conditions over the entire network.

To accomplish this, a community needs to have several repair techniques in its arsenal and the knowledge of when to apply each of these. This is where pavement management comes into play. With a comprehensive database of road conditions, pavement management software can predict when to perform various maintenance and rehabilitation treatments on a road network. Of course, engineering and local judgment is required to finalize any road program, as no software model can take every variable involved in making a treatment decision into account. A pavement management database is a great tool to help a community start planning its road program each year and is an excellent method of storing historical data about the maintenance and rehabilitation work that is performed.

A key fundamental in pavement management is the value of preservation treatments, which are the application of low-cost preventive measures to a road in fair condition, before it deteriorates to a condition that requires a much more expensive rehabilitation, as presented by the following graphic.

**Figure 1 Typical Pavement Deterioration Curve**



## The Pavement Inventory and Condition Evaluation

Developing the pavement inventory includes the following three steps.

- Defining Pavement Management Segments:** Each road contains one or more pavement management sections. A pavement management section defines the limits of previous construction or maintenance activities within each road. Segments are defined by having the same width, typical distresses, functional classification, etc. The goal is to set up homogenous areas of pavement to aid in assigning the appropriate treatment.
- Surface Distress Assessment:** For each pavement management segment, the pavement surface was evaluated using a distress evaluation method in which the roadway surface is evaluated for the presence of 9 categories of pavement distress. Each observed distress is recorded and evaluated for severity and extent. The distress categories are:
  - › potholes
  - › alligator cracking
  - › distortion
  - › rutting
  - › block cracking
  - › transverse or longitudinal cracking
  - › bleeding or polished aggregate
  - › surface wear or raveling
  - › corrugations, shoving, and slippage
- Calculate PCI:** A weighted formula is used to convert the observed pavement distress data into a Pavement Condition Index (PCI) for each pavement segment. A PCI of 100 indicates a road surface in perfect condition. A PCI of 0 would represent an impassible roadway.

## Treatment Bands

In summarizing the condition of the pavement network, it is useful to categorize recommended treatments into treatment bands. The four treatment bands used in this study are described in the table below:

**Table 1 Treatment Band Descriptions**

<b>Treatment Band</b>	<b>PCI Range</b>	<b>Description</b>
Do Nothing	93-100	Excellent condition – in need of no maintenance.
Routine or Preventive Maintenance	76-92	Fair condition – pavement surface may need a surface seal, full-depth patching, and/or crack sealing.
Structural Improvement	51-75	Deficient condition – pavement surface structure in need of added strength for existing traffic. Typical treatments are overlay with or without milling.
Base Rehabilitation	0-50	Poor condition – in need of base improvement. Typical treatments are reclamation or full-depth reconstruction.

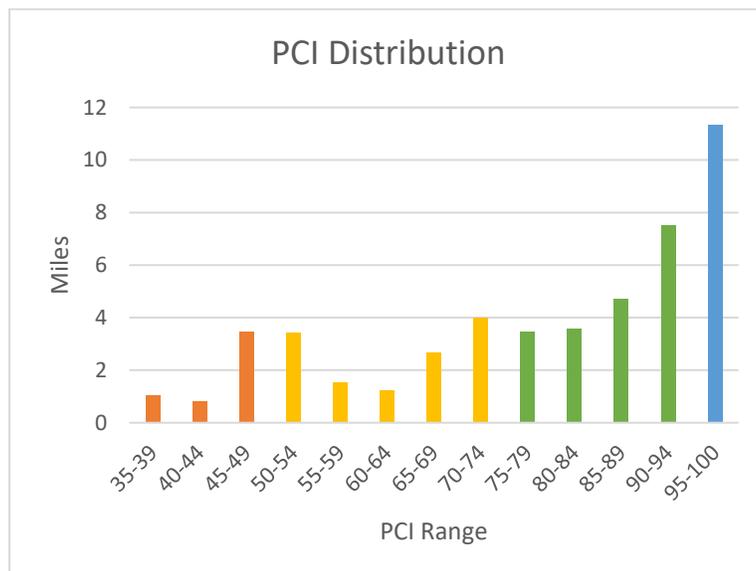
# 3

## Existing Conditions

With the 2022 condition evaluation completed, VHB analyzed the Pavement Condition Index (PCI) Town wide and determined that the estimated average PCI for Blackstone is a 78.

The following chart shows a detailed breakdown of the projected condition of Blackstone's roads by summing the number of miles of roadway into bands of 5 PCI points.

**Figure 2 PCI Distribution**



This chart shows that Blackstone has roads in all condition levels, from like new to poor condition, emphasizing the need for Blackstone to use a variety of treatments to maintain and rehabilitate its roadway network.

## Backlog of Work

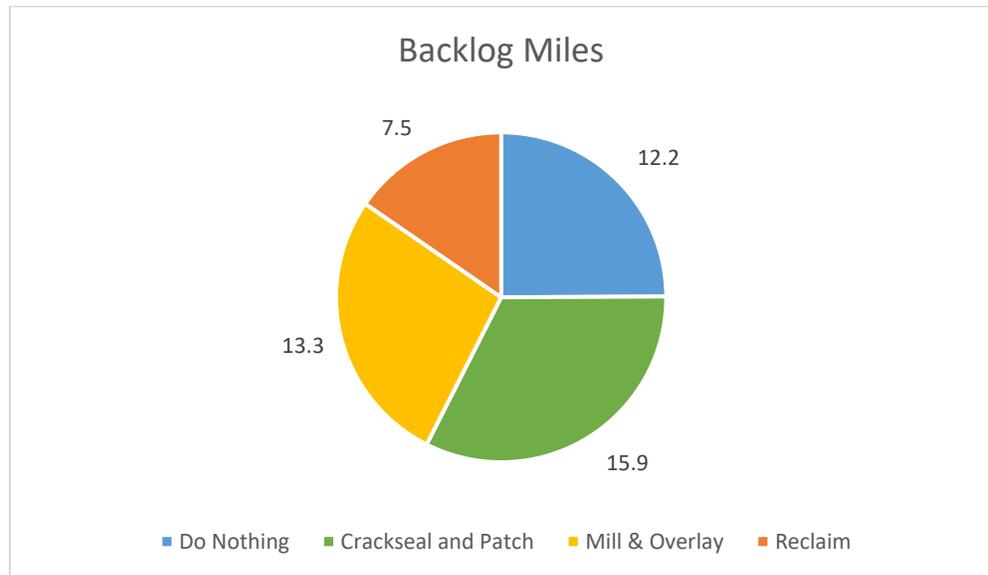
Using the Treatment Bands described above, the following table and charts summarize the backlog of pavement work in Blackstone. The backlog represents the amount of work to bring every road in Town to a near perfect condition.

**Table 2 Summary of Miles and Dollars of Outstanding Work**

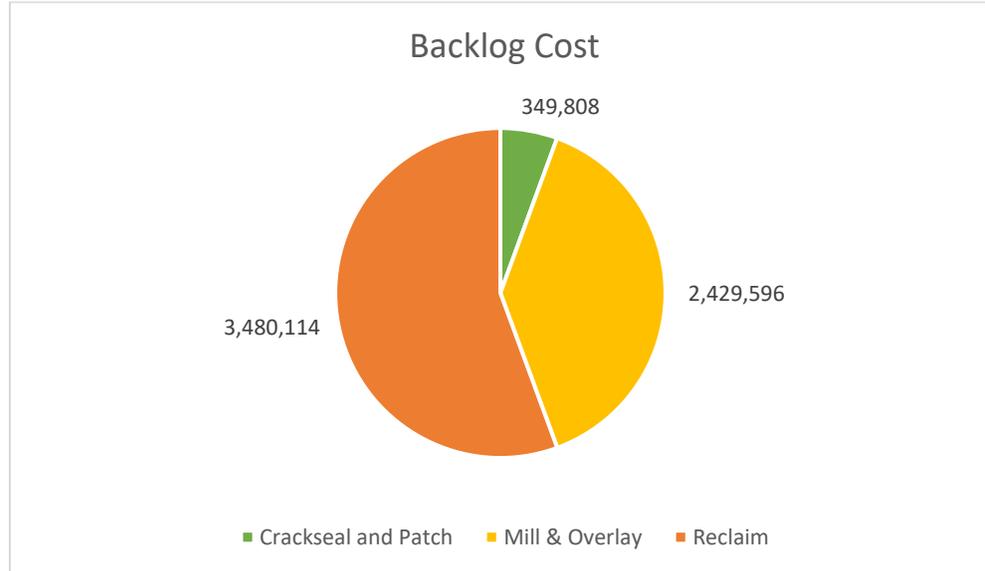
Treatment Band	Miles	Dollar Backlog
Do Nothing	12.2	\$0
Routine or Preventive Maintenance	15.9	\$349,808
Structural Improvement	13.3	\$2,429,596
Base Rehabilitation	7.5	\$3,480,114
<b>Totals</b>	<b>48.8</b>	<b>\$6,259,518</b>

The following two figures represent the above information graphically.

**Figure 3 Miles of Outstanding Work**



**Figure 4 Dollars of Outstanding Work**

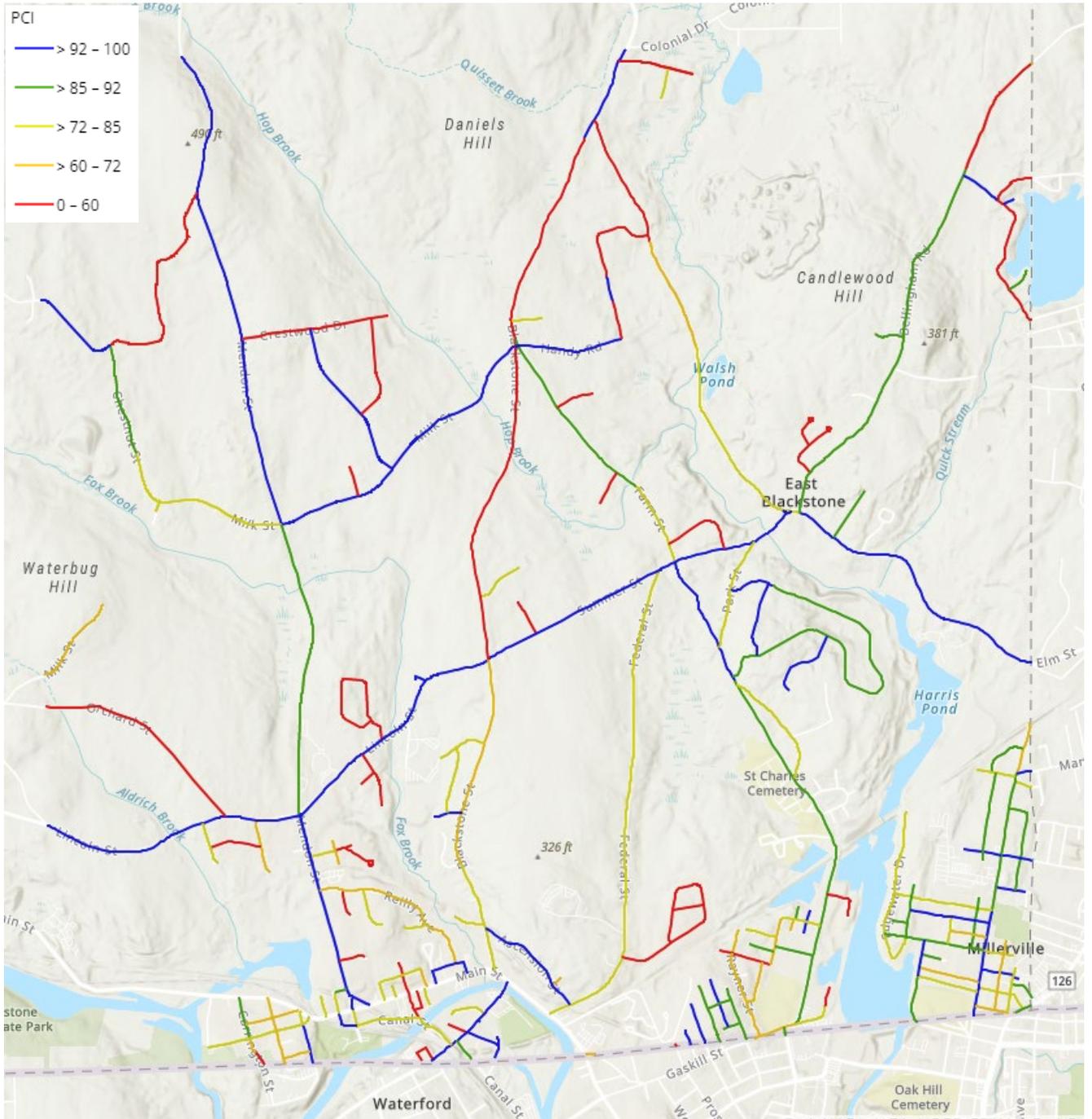


Figures 3 and 4 demonstrate that while only 15% of the Town’s road miles need Base Rehabilitation, they account for 56% of the outstanding backlog of work. Base Rehabilitation is the most expensive category of road rehabilitation. Also noteworthy is that 33% of the Town’s road miles need preservation treatments such as crack sealing or chip sealing, which only account for 6% of the total backlog cost. It makes logical fiscal sense to consider extending the lives of the large number of roads in need of these treatments before they deteriorate to a condition that would require more expensive resurfacing.

### Pavement Condition Map

The following map shows Blackstone roads colored by 5 PCI ranges. This map is a smaller scale representation of maps available to the Town through the cloud-based GIS pavement management software that has been provided to the Town.

**Figure 5 Pavement Condition Map**



# 4

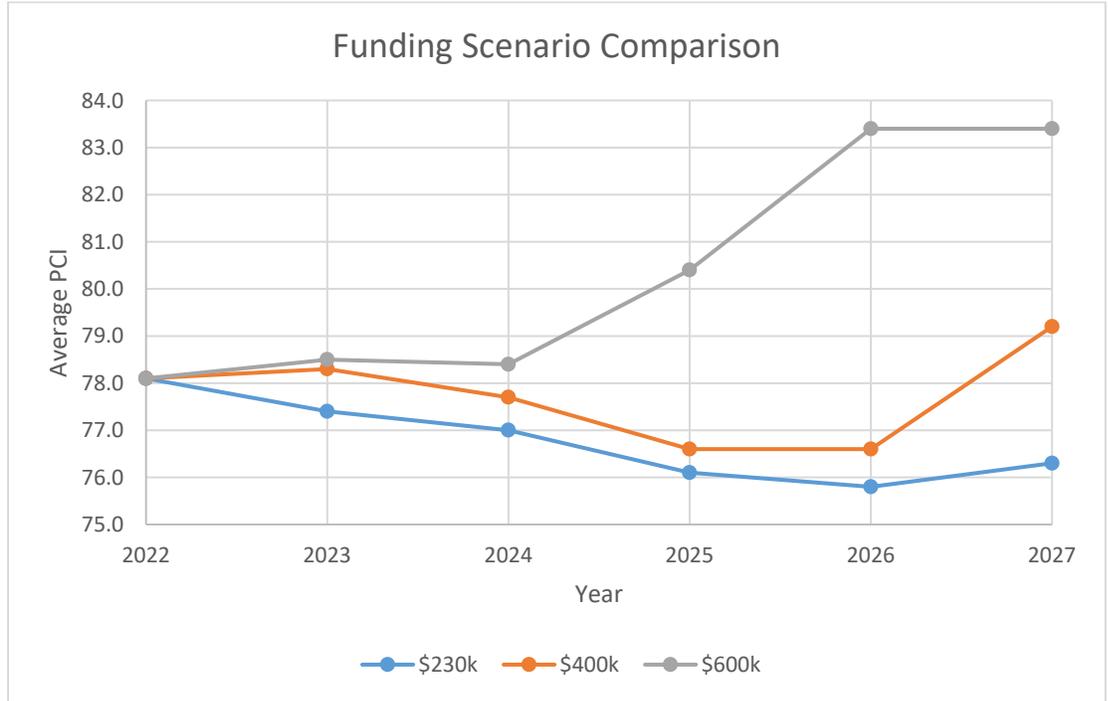
## Budget Analysis

Blackstone has a major investment in its 49 miles of Town maintained streets. It is easy to forget that roadways can be community's largest infrastructure asset. Without considering signs, signals, curbing, or sidewalks, it would cost Blackstone nearly \$24,000,000 in today's dollars to replace the existing Town maintained roadway infrastructure. It makes good business sense to invest in maintaining this asset.

VHB used the pavement management software to analyze and predict Town wide pavement conditions over a five year period. The chart on page 10 predicts the performance of the average Town-wide PCI given 3 different funding levels of \$230,000, \$400,000, and \$600,000 per year.

As the chart shows, given the total backlog of work of approximately \$6.3 million, an annual budget of \$400,000, spent on a variety of pavement maintenance and rehabilitation projects, is projected to roughly maintain the overall average pavement condition index at its current level of a 78. A budget of \$230,000 (Chapter 90 funding only) is projected to result in a decrease of 2 points in the overall average, while a budget of \$600,000 is projected to result in a 5-point increase in the average condition index.

**Figure 6** Projected PCI Change Over 5 Years



With a sense of the relative importance of maintaining or improving the Town’s pavement conditions, Town decision makers can use this information to make informed decisions when setting the annual budget for pavement maintenance and resurfacing. Additional funding scenarios may be analyzed using the pavement management software.

# 6

## Appendix

## Appendix: Pavement Unit Costs

The following unit costs for pavement treatments were used for the analysis performed as part of this study. These unit costs are based on bid prices received by Blackstone in early 2022.

Name	Cost/SY
<b>Reclamation</b>	\$33.50
<b>Mill &amp; Overlay</b>	\$12.60
<b>Crack Seal with Patching</b>	\$1.50
<b>Do Nothing</b>	\$0

## Appendix: Pavement Section Listing with Treatment and Cost

The following listing of pavement sections in Blackstone shows the Pavement Condition Index (PCI), recommended treatment, and estimated cost for each pavement section. The treatment recommendations and estimated costs should be verified in the field as part of planning for the Town's annual pavement improvement program to confirm the treatment and cost are appropriate.

Town of Blackstone Backlog of Pavement Improvement Needs

Name	From	To	Length (ft)	PCI	Repair Treatment	Est. Cost
ARNOLD STREET	RHODE ISLAND AVENUE	DEAD END	220	99	Do Nothing	0
ASCENSION STREET	BLACKSTONE STREET	FEDERAL STREET	2,128	94	Do Nothing	0
AUCLAIR STREET	LLOYD STREET	TOWN LINE BELLINGHAM	491	87	Crackseal and Patch	1,638
AUSTIN STREET	MAIN STREET	MAIN STREET	1,059	100	Do Nothing	0
AUTUMN LANE	SUMMER STREET	DEAD END	674	52	Mill & Overlay	21,553
BELLINGHAM ROAD	100' E OF MARSZALKOWSKI STREET	TOWN LINE BELLINGHAM	2,254	46	Reclaim	167,818
BELLINGHAM ROAD	ELM STREET	WOODCREST LANE	3,776	88	Crackseal and Patch	15,105
BELLINGHAM ROAD	WOODCREST LANE	100' E OF MARSZALKOWSKI STREET	3,307	87	Crackseal and Patch	12,126
BLACKSTONE STREET	1990' S OF MILK STREET	SUMMER STREET	3,793	50	Reclaim	423,598
BLACKSTONE STREET	400' S OF ELM ST	MILK STREET	4,014	44	Reclaim	358,662
BLACKSTONE STREET	MILK STREET	1990' S OF MILK STREET	1,991	49	Reclaim	185,285
BLACKSTONE STREET	SUMMER STREET	ALICE AVENUE	3,771	66	Mill & Overlay	130,954
BLACKSTONE STREET	ALICE AVENUE	MAIN STREET	2,051	72	Mill & Overlay	62,672
BLACKSTONE STREET	TOWN LINE MENDON	400' S OF ELM ST	1,769	100	Do Nothing	0
BRIDGE STREET	MAIN ST	CANAL ST	469	52	Mill & Overlay	14,340
BUTLER STREET	MAIN STREET	COUNTRY STREET	231	75	Mill & Overlay	8,024
BUTLER STREET	COUNTRY ST	RI STATE LINE	735	100	Do Nothing	0
CANAL STREET	SAINT PAUL STREET	OLD MENDON STREET	1,917	73	Mill & Overlay	61,262
CANAL STREET	TOWN LINE	SAINT PAUL STREET	419	85	Crackseal and Patch	1,748
CANAL STREET	OLD MENDON STREET	CHURCH ST	271	100	Do Nothing	0
CAROL LANE	1143' N OF HANDY ROAD	ELM STREET	1,760	50	Reclaim	163,842
CAROL LANE	HANDY ROAD	680' N OF HANDY ROAD	688	51	Mill & Overlay	23,903
CAROL LANE	680' N OF HANDY ROAD	1143' N OF HANDY ROAD	455	99	Do Nothing	0
CARRINGTON STREET	225' S OF COUNTRY ST	STATE LINE RI	276	34	Reclaim	31,868
CARRINGTON STREET	COUNTRY ST	225' S OF COUNTRY ST	281	68	Mill & Overlay	10,934
CARRINGTON STREET	MAIN STREET	COUNTRY ST	762	88	Crackseal and Patch	3,304
CARTER AVENUE	RATHBUN STREET	EDGEWATER DRIVE	1,835	90	Crackseal and Patch	10,096
CASTAGNARO WAY	FARM STREET	CUL-DE-SAC	710	58	Mill & Overlay	36,572
CENTENNIAL DRIVE	CRESTWOOD DRIVE	LIBERTY HILL DR	1,876	50	Reclaim	160,690
CHAD MICHAEL COURT	LINCOLN STREET	DEAD END	979	60	Mill & Overlay	46,268
CHAMPLAIN AVENUE	EDGEWATER DRIVE	RATHBUN ST	1,765	81	Crackseal and Patch	6,768
CHENEY STREET	LLOYD STREET	RATHBUN ST	698	97	Do Nothing	0
CHESTNUT STREET	RECYCLING CENTER ACCESS ROAD	MILK STREET	999	75	Mill & Overlay	27,765
CHESTNUT STREET	UNION STREET	RECYCLING CENTER ACCESS ROAD	2,014	89	Crackseal and Patch	6,716
CHURCH STREET	OLD MENDON STREET	MAIN STREET	604	56	Mill & Overlay	20,995
CHURCH STREET	MAIN STREET	SCHOOL ST	383	78	Crackseal and Patch	1,599
CHURCH STREET	CANAL ST	MAIN STREET	192	100	Do Nothing	0
CLYDE STREET	WILLIAMS STREET	DEAD END	934	94	Do Nothing	0
CONNECTICUT AVENUE	MAYBORO STREET	RAYNER STREET	950	50	Reclaim	106,101

Town of Blackstone Backlog of Pavement Improvement Needs

Name	From	To	Length (ft)	PCI	Repair Treatment	Est. Cost
COUNTY STREET	MAIN STREET	STAPLES LANE	1,926	82	Crackseal and Patch	9,630
CRESTWOOD DRIVE	INTERSECTION OF MENDON STREET	DISTANCE OF 1,500 FEET	2,655	44	Reclaim	256,951
DAVID DRIVE	DORENA DRIVE	RATHBUN STREET	829	87	Crackseal and Patch	3,319
DAWES STREET	WILBUR STREET	CUL-DE-SAC	1,051	46	Reclaim	133,276
DAWES STREET	MENDON STREET	WILBUR STREET	453	81	Crackseal and Patch	2,115
DAWN STREET	MENDON STREET	CUL-DE-SAC	1,023	53	Mill & Overlay	47,867
DIANA STREET	RATHBUN STREET	DEAD END	529	78	Crackseal and Patch	2,117
DOLLARD STREET	RATHBUN STREET	DEAD END	689	92	Crackseal and Patch	2,987
DORENA DRIVE	RATHBUN STREET	CUL-DE-SAC	715	82	Crackseal and Patch	3,698
EDGEWATER DRIVE	CHAMPLAIN AVENUE	DEAD END	1,498	81	Crackseal and Patch	13,739
EDGEWATER DRIVE	CARTER AVENUE	CHAMPLAIN AVENUE	1,670	82	Crackseal and Patch	5,845
ELM STREET	100' S OF CAROL LA	BLACKSTONE STREET guy	2,416	58	Mill & Overlay	80,555
ELM STREET	3820' N OF BELLINGHAM ROAD	100' S OF CAROL LA	2,043	68	Mill & Overlay	68,126
ELM STREET	BELLINGHAM ROAD	3820' N OF BELLINGHAM ROAD	3,817	81	Crackseal and Patch	15,268
ELM STREET	BELLINGHAM LINE	BELLINGHAM ROAD	5,260	94	Do Nothing	0
ELMWOOD STREET	RATHBUN STREET	TOWN LINE BELLINGHAM	551	92	Crackseal and Patch	2,022
ETHEL STREET	LLOYD STREET	RATHBUN STREET	607	68	Mill & Overlay	22,771
FARM STREET	400' S OF HOP BROOK LN	SUMMER STREET	1,515	75	Mill & Overlay	46,298
FARM STREET	100' S OF GLENSIDE DR	MILL RIVER ST	6,779	84	Crackseal and Patch	25,987
FARM STREET	BLACKSTONE STREET	400' S OF HOP BROOK LN	3,471	91	Crackseal and Patch	12,730
FARM STREET	SUMMER STREET	100' S OF GLENSIDE DR	2,413	99	Do Nothing	0
FARNUM STREET	ST PAUL STREET	DEAD END	358	47	Reclaim	29,387
FARNUM STREET	MILL STREET	ST PAUL STREET	638	100	Do Nothing	0
FEDERAL STREET	MAIN STREET	SUMMER STREET	8,737	72	Mill & Overlay	303,369
FIRST AVENUE	MAIN STREET	DEAD END	309	75	Mill & Overlay	9,886
FLORENCE DRIVE	BLACKSTONE STREET	CUL-DE-SAC	527	100	Do Nothing	0
FLORENCE DRIVE NORTH	BLACKSTONE STREET	CUL-DE-SAC	910	73	Mill & Overlay	38,218
FOX HILL ROAD	BELLINGHAM ROAD	DEAD END	1,268	36	Reclaim	151,095
GASKILL STREET	STATE LINE RHODE ISLAND	NORTH MAIN STREET	768	66	Mill & Overlay	32,033
GLENSIDE DRIVE	FARM STREET	50' E OF MEADOW LANE	6,781	89	Crackseal and Patch	24,864
GLENSIDE DRIVE	50' E OF MEADOW LANE	PARK STREET	809	94	Do Nothing	0
GODDARD STREET	CARRINGTON STREET	MAIN STREET	980	70	Mill & Overlay	43,577
HANDY ROAD	BLACKSTONE STREET	CAROL LANE	1,958	100	Do Nothing	0
HARRIS POND ROAD	CHAMPLAIN AVENUE	CARTER AVENUE	950	88	Crackseal and Patch	4,117
HILL STREET	ASCENSION STREET	DEAD END	220	65	Mill & Overlay	6,729
HOP BROOK LANE	FARM STREET	CUL-DE-SAC	642	51	Mill & Overlay	30,235
HOWARD STREET	MAIN STREET	DEAD END	585	56	Mill & Overlay	22,763
HUNTINGTON STREET	MAIN STREET	STATE LINE RHODE ISLAND	197	63	Mill & Overlay	6,873
INGRID DRIVE	BLACKSTONE STREET	DEAD END	564	82	Crackseal and Patch	2,258

Town of Blackstone Backlog of Pavement Improvement Needs

Name	From	To	Length (ft)	PCI	Repair Treatment	Est. Cost
IVES STREET	WASHINGTON STREET	BUTLER STREET	495	59	Mill & Overlay	24,791
JEAN STREET	RATHBUN STREET	TOWN LINE	333	77	Crackseal and Patch	1,335
JEFFERSON STREET	MENDON STREET	DEAD END	461	48	Reclaim	39,486
KANATHA STREET	CARTER AVENUE	DEAD END	919	89	Crackseal and Patch	5,059
KIMBERLY LANE	REILLY AVE	CUL-DE-SAC	409	73	Mill & Overlay	23,063
KING AVENUE	CARTER AVENUE	MONTCAPL AVENUE	493	75	Mill & Overlay	12,325
KING STREET	DOLLARD ST/CARTER	DORENA DR/MONTCALM AVE	1,587	88	Crackseal and Patch	6,880
LAKESHORE DRIVE	TOWN LINE BELLINGHAM	TOWN LINE BELLINGHAM	3,373	38	Reclaim	276,218
LAKEVIEW STREET	SHORE DRIVE	RATHBUN STREET	1,106	62	Mill & Overlay	33,821
LAUREL ROAD	SPRUCE STREET	DEAD END	566	77	Crackseal and Patch	2,265
LEWISTON STREET	MAYBORO STREET	DEAD END	581	78	Crackseal and Patch	2,325
LIBERTY HILL DRIVE	CRESTWOOD DRIVE	MILK STREET	2,989	93	Do Nothing	0
LINCOLN STREET	SUMMER STREET	MENDON STREET	3,731	94	Do Nothing	0
LINCOLN STREET	MENDON STREET	TOWN LINE MILLVILLE	4,793	94	Do Nothing	0
LLOYD STREET	CHENEY STREET	ETHEL STREET	824	73	Mill & Overlay	27,468
MANDY DRIVE	TEE JAY LANE	CHAD MICHAEL COURT	940	55	Mill & Overlay	32,647
MANN STREET	RATHBUN STREET	TOWN LINE BELLINGHAM	276	94	Do Nothing	0
MAPLE DRIVE	SHORE DRIVE	DEAD END	371	89	Crackseal and Patch	1,114
MARCEL LANE	LAKESHORE DRIVE	DEAD END	207	99	Do Nothing	0
MARK DRIVE	REILLY AVENUE	DEAD END	490	51	Mill & Overlay	14,983
MARKET STREET	BRIDGE STREET	MAIN STREET	446	42	Reclaim	34,897
MARSZALKOWSKI STREET	BELLINGHAM ROAD	LAKESHORE DRIVE	763	94	Do Nothing	0
MASON STREET	PROSPECT STREET	MAIN STREET	344	75	Mill & Overlay	10,992
MAY STREET	STATE LINE RHODE ISLAND	DEAD END	978	86	Crackseal and Patch	4,565
MAYBORO STREET	RHODE ISLAND AVENUE	CONNECTICUT AVENUE	862	67	Mill & Overlay	38,330
MEADOW LANE	GLENSIDE DRIVE	GLENSIDE DRIVE	1,362	100	Do Nothing	0
MENDON STREET	LINCOLN ST	MILK STREET	5,308	89	Crackseal and Patch	21,234
MENDON STREET	MAIN STREET	LINCOLN ST	3,756	92	Crackseal and Patch	20,032
MENDON STREET	MILK STREET	UNION STREET	6,166	100	Do Nothing	0
MENDON STREET	UNION STREET	MENDON TOWN LINE	2,612	99	Do Nothing	0
MICHELLE LANE	BLACKSTONE STREET	CUL-DE-SAC	560	82	Crackseal and Patch	3,079
MIDDLE STREET	MAIN STREET	DEAD END	389	78	Crackseal and Patch	1,428
MILK STREET	CHESTNUT ST/TN LINE MILLVILLE	MENDON STREET	2,486	72	Mill & Overlay	62,160
MILK STREET	MILLEVILLE TOWN LINE	DEAD END	1,679	70	Mill & Overlay	32,650
MILK STREET	MENDON STREET	FARM STREET	5,508	94	Do Nothing	0
MILL RIVER STREET	1125' E OF FARM STREET	DEAD END	356	30	Reclaim	26,571
MILL RIVER STREET	FARM STREET	1125' E OF FARM STREET	697	76	Crackseal and Patch	2,325
MILL STREET	STATE LINE RHODE ISLAND	DEAD END	436	100	Do Nothing	0
MILLER AVENUE	ELMWOOD STREET	RATHBURN STREET	1,732	85	Crackseal and Patch	7,218

Town of Blackstone Backlog of Pavement Improvement Needs

Name	From	To	Length (ft)	PCI	Repair Treatment	Est. Cost
MILLER STREET	ETHEL ST/RATHBUN ST	DEAD END	1,283	65	Mill & Overlay	44,581
MILTON AVENUE	HARRIS POND ROAD	DEAD END	288	89	Crackseal and Patch	1,539
MILTON STREET	RATHBUN STREET	KING STREET	678	63	Mill & Overlay	30,146
MONICA LANE	ROCCO DRIVE	ROCCO DRIVE	548	50	Reclaim	57,216
MONTCALM AVENUE	RATHBUN STREET	HARRIS POND ROAD	1,454	93	Do Nothing	0
NANCY COURT	REILLY AVENUE	CUL DE SAC	812	73	Mill & Overlay	24,811
NEW YORK AVENUE	MAYBORO STREET	DEAD END	461	88	Crackseal and Patch	1,537
NORTH MAIN STREET	FARM STREET	STATE LINE - R. I.	147	89	Crackseal and Patch	736
OAK PLACE	MAIN STREET	DEAD END	217	75	Mill & Overlay	6,333
OLD MENDON STREET	CANAL ST	MAIN ST	340	76	Crackseal and Patch	1,643
OLD MENDON STREET	MAIN ST/OLD MENDON ST	CHURCH ST/MENDON ST	242	94	Do Nothing	0
ORANGE STREET	RHODE ISLAND AVENUE	DEAD END	211	70	Mill & Overlay	3,516
ORCHARD STREET	MILLVILLE LINE	LINCOLN STREET	4,044	47	Reclaim	286,000
PARK STREET	SUMMER STREET	FARM STREET	2,031	78	Crackseal and Patch	8,124
PATRICIA DRIVE	DAWN STREET	DEAD END	321	50	Reclaim	27,566
PAUL DRIVE	FARM STREET	CUL-DE-SAC	708	57	Mill & Overlay	19,694
PICKERING ROAD	FARM STREET	FARM STREET	2,171	77	Crackseal and Patch	5,792
PINEHURST STREET	RHODE ISLAND AVENUE	DEAD END	245	87	Crackseal and Patch	902
PLEASANT STREET	MAIN STREET	PROSPECT STREET	345	70	Mill & Overlay	12,494
POWER STREET	RAYNER STREET	CONNECTICUT AVENUE	829	60	Mill & Overlay	32,238
PROSPECT AVENUE	HOUSE # 649	DEAD END	57	42	Reclaim	4,317
PROSPECT STREET	PLEASANT STREET	MASON STREET	793	74	Mill & Overlay	25,331
PUTNAM STREET	RHODE ISLAND AVENUE	DEAD END	208	100	Do Nothing	0
RATHBUN STREET	MANN ST	DEAD END	955	69	Mill & Overlay	34,510
RATHBUN STREET	CHAMPLAIN AVENUE	MANN ST	2,505	90	Crackseal and Patch	10,856
RATHBUN STREET	TOWN LINE	CHAMPLAIN AVENUE	1,922	99	Do Nothing	0
RAYNER STREET	POWER STREET	CONNECTICUT AV	953	63	Mill & Overlay	31,796
RAYNER STREET	GASKILL STREET	POWER STREET	640	68	Mill & Overlay	27,570
RAYNER STREET	CONNECTICUT AV	DEAD END	443	63	Mill & Overlay	14,773
REILLY AVENUE	AUSTIN STREET	MENDON STREET	3,135	64	Mill & Overlay	108,854
RENNIE DRIVE	SUMMER STREET	FARM STREET	1,469	56	Mill & Overlay	55,087
RESIDENTIAL LANE	LINCOLN STREET	LINCOLN STREET	2,826	47	Reclaim	10,519
RHODE ISLAND AVENUE	FARM STREET	MAYBORO STREET	698	76	Crackseal and Patch	2,326
RICHMOND STREET	RATHBUN STREET	SOCIAL STREET	952	79	Crackseal and Patch	4,765
RIVERS EDGE ROAD	SAINT PAUL STREET	DEAD END	670	73	Mill & Overlay	27,026
ROBERTA ROAD	FLORENCE DRIVE	FLORENCE DRIVE	1,286	73	Mill & Overlay	48,225
ROCCO DRIVE	FEDERAL STREET	ROCCO DR (LOOP)	3,730	43	Reclaim	416,516
SAINT GERMAIN AVENUE	LAKESHORE DRIVE	DEAD END	466	89	Crackseal and Patch	1,708
SAINT PAUL STREET	MAIN ST	TOWN LINE	1,994	94	Do Nothing	0

Town of Blackstone Backlog of Pavement Improvement Needs

Name	From	To	Length (ft)	PCI	Repair Treatment	Est. Cost
SCHOOL STREET	MENDON STREET	CHURCH STREET	230	87	Crackseal and Patch	1,226
SHORE DRIVE	STATE LINE RHODE ISLAND	VALLEY AVENUE	861	88	Crackseal and Patch	3,159
SHORE DRIVE	VALLEY AVENUE	CARTER AVENUE	662	100	Do Nothing	0
SOCIAL STREET	TOWN LINE BELLINGHAM	STATE LINE RHODE ISLAND	298	91	Crackseal and Patch	1,594
SPRUCE STREET	BLACKSTONE STREET	DEAD END	1,373	54	Mill & Overlay	49,597
SPRUCE STREET (section A)	BLACKSTONE STREET	DEAD END	752	54	Mill & Overlay	27,144
SPRUCE STREET (section B)	BLACKSTONE STREET	DEAD END	622	54	Mill & Overlay	22,455
STATE STREET	STATE LINE RHODE ISLAND	DEAD END	288	94	Do Nothing	0
SUMMER PLACE	TOWN LINE	DEAD END	758	92	Crackseal and Patch	3,542
SUMMER STREET	STATE LINE RHODE ISLAND	FARM STREET	2,471	92	Crackseal and Patch	10,710
SUMMER STREET	BLACKSTONE STREET	LINCOLN STREET	1,143	94	Do Nothing	0
SUMMER STREET	FARM STREET	BLACKSTONE STREET	3,773	94	Do Nothing	0
SUSAN DRIVE	BLACKSTONE STREET	DEAD END	905	75	Mill & Overlay	30,200
SWIFT STREET	SUMMER STREET	MAY STREET	443	89	Crackseal and Patch	1,480
SYCAMORE LANE	ELM STREET	CUL DE SAC	1,014	89	Crackseal and Patch	5,026
TEE JAY LANE	LINCOLN STREET	CUL DE SAC	782	75	Mill & Overlay	27,152
UNION STREET	MENDON STREET	CHESTNUT STREET	3,968	51	Mill & Overlay	110,222
UNION STREET	CHESTNUT STREET	TOWN LINE MILLVILLE	1,669	100	Do Nothing	0
VALLEY STREET	RATHBUN STREET	SHORE DRIVE	1,109	79	Crackseal and Patch	3,696
WARNER STREET	STATE LINE RHODE ISLAND	DEAD END	1,086	89	Crackseal and Patch	5,435
WASHINGTON STREET	MAIN STREET	IVES STREET	1,241	67	Mill & Overlay	60,375
WESTMINSTER STREET	TOWN LINE BELLINGHAM	RATHBUN STREET	568	100	Do Nothing	0
WHIPPLE AVENUE	MAYBORO STREET	FARM STREET	706	88	Crackseal and Patch	2,118
WILBUR STREET	DAWES STREET	DEAD END	454	67	Mill & Overlay	17,694
WILLIAM STREET	MAY STREET	DEAD END	336	88	Crackseal and Patch	1,123
WILLOWBROOK RD	GLENSIDE DR	CUL DE SAC	1,414	100	Do Nothing	0
WINDSONG DRIVE	MILK STREET	DEAD END	563	38	Reclaim	46,103
WINDSOR ROAD	FOXHILL ROAD	DEAD END	723	48	Reclaim	86,132
WOODCREST LANE	BELLINGHAM ROAD	DEAD END	529	88	Crackseal and Patch	2,116