Inventory and Assessment of Road Surfaces

UNH Technology Transfer Center Field Staff performed Road Inventory and Condition Assessment. Inventory and Assessments were entered into Road Surface Management System (RSMS) software for analysis, prioritization, and generation of repair strategy. Repair strategies and a 10-year budget plan have been prepared in partnership with the town and presented within this report.

Town of Wentworth, NH





Table of Contents

Problem Statement
Solution: Road Surface Management System2
Identification of Sections
Road Condition Rating3
Section II: Prioritizing Wentworth's Road Repair Needs4
Priority Setting Factors4
Priorities of Wentworth's Roads5
Section III: Selection of Repair Alternatives5
Inadequate Road Bases5
Repair Alternatives6
Repair Alternatives
Repair Alternatives
Repair Alternatives. 6 Assigning Specific Repairs 7 Section IV: Conclusion – A Capital Improvements Account. 8 Appendix A: Road Inventory and Condition Survey. 10
Repair Alternatives. 6 Assigning Specific Repairs 7 Section IV: Conclusion – A Capital Improvements Account. 8 Appendix A: Road Inventory and Condition Survey. 10 Appendix B: Condition Index and Repairs Ordered by Priority 13
Repair Alternatives. 6 Assigning Specific Repairs 7 Section IV: Conclusion – A Capital Improvements Account. 8 Appendix A: Road Inventory and Condition Survey. 10 Appendix B: Condition Index and Repairs Ordered by Priority 13 Appendix C: Town Maps 15
Repair Alternatives. 6 Assigning Specific Repairs 7 Section IV: Conclusion – A Capital Improvements Account. 8 Appendix A: Road Inventory and Condition Survey. 10 Appendix B: Condition Index and Repairs Ordered by Priority 13 Appendix C: Town Maps 15 Appendix D: Budget Overview 17
Repair Alternatives. 6 Assigning Specific Repairs 7 Section IV: Conclusion – A Capital Improvements Account. 8 Appendix A: Road Inventory and Condition Survey. 10 Appendix B: Condition Index and Repairs Ordered by Priority 13 Appendix C: Town Maps 15 Appendix D: Budget Overview 17 Appendix E: Repairs and Cost by Year 19

Problem Statement

Paved and aggregate roads require routine and preventative maintenance, which should be done before they require rehabilitation or reconstruction. Approximately 93% of town-maintained roads in Wentworth, NH (also referred to as the Town) warrant some type of maintenance or repair at this time. Furthermore, 100% of the Town's road network is recommended for upgrades over the next ten years. Current capital improvements and road maintenance budgets are inadequate to meet these needs. The Town's roads are deteriorating more rapidly than the Highway Department can maintain and reconstruct them. The Town recognizes this problem and is seeking to create a long-term work and budget plan to restore the roads.

Solution: Road Surface Management System

Wentworth agreed to engage, through the University of New Hampshire Technology Transfer Center (UNH T²), in road inventory data collection, identification of pavement conditions, and operation of Road Surface Management System (RSMS) software. A team of civil engineers from the University performed the road condition survey and analysis.

The team performed the following tasks using UNH T²'s RSMS data collection protocols and software:

- 1. Inventoried the road system, dividing the roads into sections as appropriate
- 2. Determined and documented the conditions of the each section
- 3. Prioritized maintenance and repair requirements
- 4. Chose maintenance or repair methods appropriate to each condition category
- 5. Determined unit costs of these maintenance and repair methods
- 6. Elected a maintenance or repair method for each road section
- 7. Established long-term work and budget plans

The survey team developed an inventory of road conditions for all town-maintained roads based on a list of roads derived from NHDOT centerline shapefiles and reviewed by Wentworth. Factors were determined for establishing priorities and repair treatment cost estimates. The data was entered into the RSMS program, which developed a prioritized list of maintenance and repair recommendations. This information is contained in the following reports. Working from RSMS reports, town officials can prepare a detailed comprehensive long-term work and budget plan.

Sections 1 through 3 of this report describe how RSMS was applied to Wentworth. Section 4 provides a conclusion of the study. Appendices contain reports that summarize the data and serve as a basis for the conclusion.

Section I: Road Network Inventory and Condition Survey

Identification of Sections

The survey team identified road sections based on changes in road geometry, pavement condition, and traffic volume. 39 sections were defined for the 32 miles of roads assessed. The sections are listed in Appendix A along with each section's Condition Index (CI).

Road Condition Rating

Rating the condition of all road sections is based on a process similar to common informal practice. Local highway personnel rely heavily on visual inspections and experience to schedule maintenance activities. One problem with the informal approach is that experience is very difficult to transfer from one person to another. It also can be difficult to objectively explain maintenance decisions to local governing bodies. RSMS applies a comprehensive condition rating technique based on sound engineering and management practices. These techniques enable the user to draw objective, consistent, and easy-to-explain conclusions.

Researchers and practitioners have developed several pavement condition rating techniques based on visual inspection. A road section is inspected, and the severity and extent of surface distresses are recorded. RSMS has two sets of road condition distresses, one for paved roads and another for unpaved surfaces. The RSMS distress characteristics for paved roads include:

Paved Roads Distresses

- Longitudinal/transverse cracking
- Alligator cracking
- Edge cracking
- Patching/potholes

- Drainage
- Roughness
- Rutting

Experience with RSMS has shown that users can accurately determine conditions from a vehicle, with closer inspection where necessary. The survey team used RSMS software to enter the road condition information for each section.

Additionally, unpaved roads were also assessed by the field crew. The RSMS distress characteristics for paved roads include:

Unpaved Roads Distresses

- Loose Aggregate
- Corrugation (wash-boarding)
- Potholes
- Cross Section

- Excessive Dust
- Drainage
- Rutting

Appendix A also contains a summary of results from the Road Condition Survey. Based on the road rating information, RSMS assigned every road section to one of five repair strategies. These are used to determine repair alternatives appropriate for each particular road section.

Section II: Prioritizing Wentworth's Road Repair Needs

Priority Setting Factors

The most important product of a road management system is a prioritized list of every road section that requires repairs and the costs of those repairs. Such a list enables town officials to make budget decisions based on sound technical and management principles, and to prepare plans for accomplishment of the needed repairs. RSMS can produce three separate prioritized lists, one each for paved and unpaved roads, and a third for all roads. This report regards all town-maintained roads. The priorities are determined based on a set of factors, listed, and discussed below:

- Repair Strategy
- Drainage
- Traffic

- Importance
- Road Conditions
- Road Roughness

All too frequently, municipal officials set priorities by the "worst first" approach; they give the most deteriorated roads the highest priorities. Such roads are also the most expensive to repair, which commits a large amount of town funds to only a few roads. Inadequate funds remain to accomplish the relatively inexpensive preventative and routine maintenance. These roads have low to moderate deterioration and can have their useful lives extended significantly at a lower cost.

Clearly, road condition is just one factor that local road managers must consider. Other factors to be considered are:

- <u>Repair Strategy Ranking</u> Repair strategies are described in the next section.
- Drainage Evaluated as Good, Fair, or Poor during the condition survey.
- <u>Traffic</u> The volume of heavily loaded vehicles that normally use the road. The most traveled roads are given the highest value (5), least traveled given the lowest (1), and all other roads evaluated relative to these ratings.
- <u>Importance</u> The importance of the road to the town, by whatever criteria town officials wish to apply. The most important roads are given the highest value (4), least important given the lowest (1), and all other roads evaluated relative to these ratings.
- <u>Condition</u> The maximum value of the condition ratings determined during the condition survey (Described in Section 1)
- <u>Roughness</u> Evaluated as Smooth, Rough, or Very Rough during the condition survey.

Priorities of Wentworth's Roads

The survey team entered the data described above into the RSMS software program. The priority list of roads, with applicable repair alternatives, is shown in Appendix B. The UNH team generated this report and selected the best repair for each alternative.

Section III: Selection of Repair Alternatives

Inadequate Road Bases

Many local roads in New Hampshire were established in the 18th and 19th centuries. Some of these were built as "horse and buggy paths" and widened over time. Today, they have become primary arteries in contemporary road networks. Most local roads were in place by 1920. Although mileage has been added to these roads (due to new subdivisions, etc.) newer roads tend to have less traffic then older ones. Roads established before 1920 were earth or aggregate surfaced. As traffic volumes grew, people got tired of having to drive on muddy, soft roads. This created a large demand to pave the roads.

Beginning early in this century and continuing through the early 1960's, paving of local roads accelerated as a number of highway improvement programs attempted to "get the farmer out of the mud." Even during this period many roads were built poorly. Of greatest importance was the failure to provide different gradations for base and surface aggregates.

Silt and clay "fines" in surface aggregate hold the road surface together by keeping gravel from lolling around under wheel loads. These particles, which are essential for unpaved roads, are inadequate bases for paved roads. Moisture in the base cannot escape through the impervious pavement layer on top. If the pores between load-bearing aggregate bases become clogged with silt or clay, water cannot drain through the sides of the road. The base material stays soft and wet during the spring and fall seasons when groundwater and precipitation find their way into the base, especially through surface cracks. With a high water content base supporting it, the road surface flexes more under vehicle loads. Much like repeatedly bending a paperclip, the more the road flexes the faster it will break. In winter, a wet base material is susceptible to freezing and heaving, which further accelerates roadway deterioration.

In haste to pave their road networks, state and local agencies paved over many miles of surface aggregate. Even if they replaced the base with properly graded aggregate, it was often too thin to support modern heavy vehicles. Today many of these roads need reconstruction to replace the base material. The survey team relied on the local officials to consider this information when selecting maintenance and repair alternatives.

Repair Alternatives

RSMS allows an unlimited number of repair alternatives, which are grouped into five categories.

- 1. <u>Deferred Maintenance</u>: No action required. The road section is in very good condition.
- 2. <u>Routine Maintenance</u>: For paved roads, sealing cracks and patching potholes for specific small areas. For unpaved roads, filling small areas and grading the roadway. For both road surface types, routines maintenance should include cleaning ditches and culverts.

Crack sealing, patching, spot re-graveling, ditch and culvert cleaning, and mowing of shoulders and adjacent areas are essential to get the intended service life from a section of pavement. Routine maintenance therefore has the highest value in the RSMS priority setting procedure.

Routine maintenance can usually be performed by the town's road crew, and should be included in the town's annual budget. Roads requiring routine maintenance are slowly but surely deteriorating. Adequate funds should be made available consistently across annual budgets to ensure that roads in good condition remain so.

Unpaved roads are more prone to deterioration due to traffic and weather. For this reason, routine maintenance on unpaved roads is done multiple times in a year to keep the road condition at an acceptable level. All unpaved roads are subject to annual maintenance which is incorporated into the maintenance budget of the roads.

3. <u>Preventive Maintenance</u>: For paved roads, coating of the surface and chip seals of thin (1 ½ inch) overlays are used to prevent or slow further deterioration. For unpaved roads this includes shaping and grading the road surface, as well as adding minor amounts of material as necessary.

Preventative maintenance is performed on roads that are in sufficiently good condition and require inexpensive repair to extend road life. In the RSMS priority setting procedure, preventive maintenance has the second highest value and should receive a high priority in annual funding of highway budgets. Much of the work is within the highway department's capability with the exception of chip seals that are usually performed by contractors. The town should plan to accomplish all preventive maintenance within annual operations budgets.

4. <u>Rehabilitation</u>: Major repairs of the road surface such as an asphalt overlay after surface preparation for a paved road, adding major amounts of gravel to unpaved roads, or re-grading, reshaping, and compacting them.

Rehabilitation is more expensive than routine or preventive maintenance, but less expensive than reconstruction. For paved roads, contractors usually perform rehabilitation repairs. Municipalities should fund them through a Capital Improvements Program (CIP). Large amounts of gravel required for unpaved roads may also be funded through a CIP. Before town officials

attempt to fund these out of annual budgets, they should consider the impact on routine and preventive maintenance. It is much less expensive in the long run to keep good roads in good condition than to let them deteriorate to where they need rehabilitation. On the other hand, roads needing rehabilitation are rapidly deteriorating and will become much worse quickly without adequate funding.

5. <u>Reconstruction</u>: Excavation of the road base, the replacement and often the addition of aggregate, and new paved surface or new wearing surface gravel.

The road including its sub-base has deteriorated to such an extent that the base must be replaced or stabilized. Such conditions are usually caused by too long a period of inadequate maintenance, and by poor subsurface drainage. In the latter conditions, appropriate repair and/or new construction of ditches and culverts should be included in the project.

Reconstruction is so costly that it can absorb a large portion, if not all, of a municipality's annual budget, and therefore allow too small a budget for routine and preventative maintenance. Their accomplishment, therefore, will also best be funded with a CIP.

Assigning Specific Repairs

The RSMS program provides a set of repair alternatives consistent with the repair strategy for each road section's drainage and condition. Appendix C is the maintenance summary of road conditions for Wentworth's road sections. UNH T^2 reviewed these alternatives with the town, and entered any modifications into the program. They also reviewed unit costs for each alternative considering whether the municipality would accomplish a particular repair by contract, with its own labor and equipment, or by a combination of contract and "in-house" labor.

The survey team recommended that the town select the repair for each road section that would make the condition satisfactory. Compromises, if necessary, should be made with continued consideration of the long-term effects.

Rehabilitation and reconstruction alternatives are more complex and involve large amounts of money to implement. Choosing the best repair treatment for roads requiring these strategies often requires knowledge of the road base.

The selected repairs are shown in Appendix E. The road sections are listed in priority order per recommendations of $UNH T^2$.

Section IV: Conclusion – A Capital Improvements Account

To implement the RSMS results, the town budget should be separated into two accounts: an Operations Road Maintenance account for routine and preventive maintenance, and a Capital Improvements account for rehabilitation and reconstruction. Annual budgets should be adequate to accomplish all drainage, routine, and preventative maintenance for several years. The estimated Operations Road Maintenance budget is approximately \$66,000 annually. A Budget Summary has been prepared and is presented in Appendix D.

A Capital Improvements budget requires a special commitment from town officials and citizens who attend town meetings. It should enable completion within a specified period of all rehabilitation and reconstruction for both paved and unpaved roads. The plan should specify which rehabilitation and reconstruction projects will be done each year. Usual CIP periods range from three to six years.

A summary of the projected annual costs per UNH T² recommendations is presented in the tables below.

Year	Operations Road Maintenance ¹	Capital Improvements ²	Total Budget
1	\$82,473.78	Prior to CI Period	\$82,473.78
2	\$76,317.45	Prior to CI Period	\$76,317.45
3	\$43,624.45	\$40,740.88	\$84,365.33
4	\$43,767.23	\$57,819.28	\$101,586.51
5	\$48,764.98	64624.75907	\$113,389.74
6	\$93,245.47	Post CI Period	\$93,245.47
7	\$76,350.96	Post CI Period	\$76,350.96
8	\$73,951.07	Post CI Period	\$73,951.07
9	\$64,441.26	Post CI Period	\$64,441.26
10	\$58,999.99	Post CI Period	\$58,999.99

Table 1: Capital and Operations Budget Projections

¹ Including Patching, Crack Sealing, Surface Coats, Reshaping, and Regrading

² Including Full Rebuild/Replace and Overlays

Year	Pavement Condition Index Without Repairs	Pavement Condition Index With Repairs	Projected Annual Budget
0	74.86	74.86	N/A
1	74.86	88.03	\$82,473.78
2	71.86	91.40	\$76,317.45
3	68.99	93.36	\$84,365.33
4	66.23	93.22	\$101,586.51
5	63.58	93.68	\$113,389.74
6	61.04	93.34	\$93,245.47
7	58.59	92.30	\$76,350.96
8	56.25	91.52	\$73,951.07
9	54	91.49	\$64,441.26
10	51.84	90.60	\$58,999.99

Table 2: Network Condition Index by Year

Appendix A: Road Inventory and Condition Survey

Road Section Name	Length	Survey Date	Alligator Cracks (1/8in)	Edge Cracking (12/24in)	Longitudinal / Transverse Cracks (1/4in)	Patching / Potholes	Roughness
Buffalo Rd - 1	11119	6/28/2013	High Sev/Low Ext	Med Sev/Med Ext	Med Sev/Med Ext	3 - High (30+% / 1-+ per 100ft)	3 - Rough
Goves Ln	3754	6/28/2013	Med Sev/Med Ext	High Sev/Low Ext	High Sev/Med Ext	2 - Medium (10-30% / <10 per 100ft)	3 - Rough
Red Oak Hill Rd	3398	6/28/2013	Med Sev/High Ext	Low Sev/Low Ext	Low Sev/High Ext	2 - Medium (10-30% / <10 per 100ft)	2 - Somewhat Rough
Ellsworth Hill Rd - 1	3215	6/28/2013	Med Sev/High Ext	Low Sev/High Ext	Low Sev/High Ext	2 - Medium (10-30% / <10 per 100ft)	2 - Somewhat Rough
Wentworth Village Rd	1179	6/28/2013	Med Sev/High Ext	Med Sev/High Ext	Med Sev/High Ext	2 - Medium (10-30% / <10 per 100ft)	2 - Somewhat Rough
Atwell Hill Rd - 1	5123	6/28/2013	None	None	None	0 - None	1 - Smooth
East Side Rd	13793	6/28/2013	Low Sev/High Ext	Med Sev/Med Ext	High Sev/Low Ext	2 - Medium (10-30% / <10 per 100ft)	2 - Somewhat Rough
Lookaway Ln	1886	6/28/2013	Low Sev/Low Ext	Low Sev/High Ext	Low Sev/High Ext	0 - None	1 - Smooth
Browns Ln	950	6/28/2013	High Sev/High Ext	High Sev/High Ext	High Sev/High Ext	2 - Medium (10-30% / <10 per 100ft)	3 - Rough
Saunders Hill Rd - 1	571	6/28/2013	None	None	Low Sev/Low Ext	0 - None	1 - Smooth
North Dorchester Rd - 1	8776	6/28/2013	Med Sev/Low Ext	Med Sev/Low Ext	Med Sev/Low Ext	2 - Medium (10-30% / <10 per 100ft)	2 - Somewhat Rough
North Dorchester Rd - 4	3369	6/28/2013	Low Sev/Low Ext	Low Sev/Low Ext	Low Sev/Low Ext	0 - None	1 - Smooth
North Dorchester Rd - 3	3289	6/28/2013	High Sev/Low Ext	Med Sev/High Ext	Med Sev/High Ext	2 - Medium (10-30% / <10 per 100ft)	3 - Rough
North Dorchester Rd - 2	2171	6/28/2013	Low Sev/Low Ext	Low Sev/Med Ext	Low Sev/Low Ext	1 - Low (<10% / 5 per 100ft)	1 - Smooth
Turner Rd - 1	2181	6/28/2013	Low Sev/Med Ext	Med Sev/Med Ext	Med Sev/Low Ext	1 - Low (<10% / 5 per 100ft)	2 - Somewhat Rough

Table 3: Asphalt Roads Inventory as of Survey Date

Road Section Name	Length	Survey Date	Corrugations	Cross Section	Dust Control	Loose Aggregate	Potholes
Pond Brook Rd	2169	6/28/2013	Low Sev/Low Ext	1 - High crown / no ponding	1 - Low dust	Low Sev/Low Ext	Low Sev/Low Ext
Turner Rd - 2	3998	6/28/2013	None	2 - Medium crown / minor ponding	1 - Low dust	Low Sev/High Ext	Low Sev/Low Ext
Cape Moonshine Rd	12357	6/28/2013	Low Sev/High Ext	2 - Medium crown / minor ponding	1 - Low dust	Low Sev/High Ext	None
Currier Hill Rd	1619	6/28/2013	Low Sev/Low Ext	1 - High crown / no ponding	1 - Low dust	Low Sev/High Ext	None
Beech Hill Rd	7821	6/28/2013	None	1 - High crown / no ponding	1 - Low dust	Med Sev/High Ext	Low Sev/Low Ext
Nichols Hill Rd	5115	6/28/2013	Low Sev/Low Ext	2 - Medium crown / minor ponding	1 - Low dust	Med Sev/High Ext	None
Auguste Rd	2625	6/28/2013	None	2 - Medium crown / minor ponding	1 - Low dust	Low Sev/High Ext	None
Rowentown Rd	11705	6/28/2013	Low Sev/Low Ext	1 - High crown / no ponding	1 - Low dust	Low Sev/High Ext	Med Sev/Low Ext
Vlk Mountain Rd	3424	6/28/2013	Low Sev/Low Ext	1 - High crown / no ponding	1 - Low dust	High Sev/Low Ext	Low Sev/Low Ext
Zoe Rd	2278	6/28/2013	None	2 - Medium crown / minor ponding	1 - Low dust	Low Sev/High Ext	None
Dufour Rd	1270	6/28/2013	None	2 - Medium crown / minor ponding	1 - Low dust	Low Sev/Med Ext	None
Evans Rd	870	6/28/2013	Low Sev/Low Ext	2 - Medium crown / minor ponding	1 - Low dust	Low Sev/Low Ext	Low Sev/Low Ext
Thayer Mountain Rd	3712	6/28/2013	Low Sev/Low Ext	2 - Medium crown / minor ponding	1 - Low dust	Med Sev/Low Ext	None
Cross Rd	3646	6/28/2013	None	1 - High crown / no ponding	1 - Low dust	Low Sev/Low Ext	None
Hilltop Rd	1651	6/28/2013	Low Sev/Low Ext	1 - High crown / no ponding	1 - Low dust	Med Sev/Med Ext	None
Cheever Rd	6473	6/28/2013	Low Sev/High Ext	2 - Medium crown / minor ponding	1 - Low dust	Med Sev/Low Ext	Low Sev/Low Ext
Camp Victory Rd	1105	6/28/2013	Low Sev/Low Ext	2 - Medium crown / minor ponding	1 - Low dust	Med Sev/Med Ext	Low Sev/Low Ext
Ephraim Page Rd	829	6/28/2013	None	2 - Medium crown / minor ponding	1 - Low dust	Low Sev/Low Ext	None
Frescoln Rd	5403	6/28/2013	Low Sev/Low Ext	2 - Medium crown / minor ponding	1 - Low dust	Low Sev/Med Ext	Low Sev/Low Ext
Libbey Rd	1253	6/28/2013	Low Sev/Low Ext	1 - High crown / no ponding	1 - Low dust	Low Sev/Med Ext	Low Sev/High Ext
Saunders Hill Rd - 2	2087	6/28/2013	Low Sev/Med Ext	2 - Medium crown / minor ponding	1 - Low dust	Low Sev/Low Ext	None
Atwell Hill Rd - 2	12776	6/28/2013	Med Sev/Med Ext	2 - Medium crown / minor ponding	1 - Low dust	Low Sev/High Ext	Low Sev/Low Ext
Ellsworth Hill Rd - 2	6185	6/28/2013	Low Sev/Low Ext	2 - Medium crown / minor ponding	1 - Low dust	Med Sev/Med Ext	Low Sev/Low Ext
Buffalo Rd - 2	5475	6/28/2013	None	1 - High crown / no ponding	1 - Low dust	Low Sev/Low Ext	None

Table 4: Unpaved Roads Inventory as of Survey Date

Appendix B: Condition Index and Repairs Ordered by Priority

Table 5:	Condition	Index and	Repairs	by	Priority
----------	-----------	------------------	----------------	----	-----------------

Priority	Current Cl	Year 10 Cl	Road Name	Length	Repair Category
1,250	72	96	North Dorchester Rd - 1	8776	Crack Seal
1,250	89	73.58	North Dorchester Rd - 2	2171	Patch
1,200	74	100	Cape Moonshine Rd	12357	Reshape Minor Material
1,000	75	100	Cheever Rd	6473	Reshape Minor Material
1,000	63	91	East Side Rd	13793	Surface Coat
1,000	78	100	Ellsworth Hill Rd - 2	6185	Reshape Minor Material
900	82	100	Auguste Rd	2625	Reshape Minor Material
900	81	100	Frescoln Rd	5403	Reshape Minor Material
900	72	75	Turner Rd - 1	2181	Surface Coat
900	80	100	Turner Rd - 2	3998	Reshape Minor Material
900	82	100	Zoe Rd	2278	Reshape Minor Material
700	78	100	Camp Victory Rd	1105	Reshape Minor Material
700	85	100	Dufour Rd	1270	Reshape Minor Material
700	88	100	Ephraim Page Rd	829	Reshape Minor Material
700	84	100	Evans Rd	870	Reshape Minor Material
700	82	90.72	Lookaway Ln	1886	Surface Coat
700	77	100	Nichols Hill Rd	5115	Reshape Minor Material
700	51	88.44	North Dorchester Rd - 3	3289	Overlay
700	83	100	Rowentown Rd	11705	Grade Major Material
700	83	100	Saunders Hill Rd - 2	2087	Reshape Minor Material
700	83	100	Thayer Mountain Rd	3712	Reshape Minor Material
650	48	85.42	Buffalo Rd - 1	11119	Overlay
650	96	100	Buffalo Rd - 2	5475	Grade Major Material
600	72	100	Atwell Hill Rd - 2	12776	Grade Major Material
600	85	100	Beech Hill Rd	7821	Grade Major Material
600	96	100	Cross Rd	3646	Grade Major Material
600	94	62	North Dorchester Rd - 4	3369	Satisfactory
550	54	90.36	Goves Ln	3754	Overlay
550	88	100	Hilltop Rd	1651	Grade Major Material
500	88	100	Currier Hill Rd	1619	Grade Major Material
450	100	66	Atwell Hill Rd - 1	5123	Satisfactory
450	83	100	Libbey Rd	1253	Grade Major Material
450	92	100	Pond Brook Rd	2169	Grade Major Material
450	86	100	Vlk Mountain Rd	3424	Grade Major Material
375	66	69	Red Oak Hill Rd	3398	Rebuild/Replace
350	60	68.67	Ellsworth Hill Rd - 1	3215	Rebuild/Replace
350	54	60	Wentworth Village Rd	1179	Rebuild/Replace
275	39	51.28	Browns Ln	950	Rebuild/Replace
225	98	65	Saunders Hill Rd - 1	571	Satisfactory

Appendix C: Town Maps

Roads Assessed and Analyzed Using RSMS

Town of Wentworth, NH



Recommended Repairs by Category

Town of Wentworth, NH

Appendix D: Budget Overview



Annual Cost	by Repai	r Catego	≥	The annual the sum of t	costs of repairs the repairs selec	s groupd by repart of the for each as	air category. N	ote that the cos regardless of it	ts shown reflec f they are	t
RSMS - Total Budget				recommend	led or not					
Repair Category	Cost Yr 1	2	3	4	5	9	7	8	6	10
Crack Seal	\$4,146.48	\$0.00	S0.00	\$0 [.] 00	\$0.00	\$5,292.08	\$0.00	\$0.00	\$0.00	\$6,432.56
Grade Major Material	\$12,346.69	\$12,964.03	\$24,948.07	\$14,749.57	\$21,002.09	\$15,757.86	\$28,344.03	\$19,527.70	\$25,505.09	\$28,284.44
Overlay	\$40,914.06	\$45,354.86	S0.00	\$0.00	\$0.00	\$52,217.86	\$27,030.36	\$32,397.97	\$0.00	\$0.00
Patch	\$0.00	\$0.00	S0.00	\$0.00	\$6,927.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Rebuild/Replace	\$0.00	\$0.00	\$40,740.88	\$57,819.28	\$64,624.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Reshape Minor Mater	ial \$15,653.03	S16,435.69	\$17,257.47	\$18,120.34	\$19,026.36	\$19,977.68	\$20,976.56	\$22,025.39	\$23,126.66	\$24,282.99
Satisfactory	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Surface Coat	\$9,413.51	\$1,562.88	\$1,418.90	\$10,897.32	\$1,809.23	\$0.00	\$0.00	\$0.00	\$15,809.51	\$0.00
Total	82,473.78	76,317.45	84,365.33	101,586.51	113,389.74	93,245.47	76,350.96	73,951.07	64,441.26	58,999.99

Appendix E: Repairs and Cost by Year

Table 6: Repairs for Year 1

Year 1						
Road Name	Repair	Cost				
Atwell Hill Rd - 2	Minor Reshape Annual Maintenance	\$3,219.47				
Auguste Rd	Minor Reshape Annual Maintenance	\$992.39				
Beech Hill Rd	Minor Reshape Annual Maintenance	\$1,478.23				
Buffalo Rd - 1	1.5in HMA overlay	\$40,914.06				
Buffalo Rd - 2	Minor Reshape Annual Maintenance	\$1,379.61				
Camp Victory Rd	Minor Reshape Annual Maintenance	\$278.52				
Cape Moonshine Rd	Minor Reshape Annual Maintenance	\$3,113.87				
Cheever Rd	Minor Reshape Annual Maintenance	\$2,038.87				
Cross Rd	Minor Reshape Annual Maintenance	\$918.77				
Currier Hill Rd	Minor Reshape Annual Maintenance	\$306.04				
Dufour Rd	Minor Reshape Annual Maintenance	\$239.99				
East Side Rd	Ditch, fill/seal cracks	\$9,413.51				
Ellsworth Hill Rd - 2	Minor Reshape Annual Maintenance	\$1,558.50				
Ephraim Page Rd	Minor Reshape Annual Maintenance	\$208.85				
Evans Rd	Minor Reshape Annual Maintenance	\$219.12				
Frescoln Rd	Minor Reshape Annual Maintenance	\$1,701.90				
Hilltop Rd	Minor Reshape Annual Maintenance	\$311.95				
Libbey Rd	Minor Reshape Annual Maintenance	\$236.72				
Nichols Hill Rd	Minor Reshape Annual Maintenance	\$1,611.33				
North Dorchester Rd - 1	Fill/seal cracks	\$4,146.48				
Pond Brook Rd	Minor Reshape Annual Maintenance	\$683.35				
Rowentown Rd	Minor Reshape Annual Maintenance	\$2 <i>,</i> 949.69				
Saunders Hill Rd - 2	Minor Reshape Annual Maintenance	\$525.91				
Thayer Mountain Rd	Minor Reshape Annual Maintenance	\$1,169.19				
Turner Rd - 2	Minor Reshape Annual Maintenance	\$1,133.50				
Vlk Mountain Rd	Minor Reshape Annual Maintenance	\$862.85				
Zoe Rd	Minor Reshape Annual Maintenance	\$861.10				
	Total Cost for Year 1:	\$82,473.78				

Table 7: Year 2 Repairs

	Year 2	
Road Name	Repair	Cost
Atwell Hill Rd - 2	Minor Reshape Annual Maintenance	\$3,380.45
Auguste Rd	Minor Reshape Annual Maintenance	\$1,042.01
Beech Hill Rd	Minor Reshape Annual Maintenance	\$1,552.14
Buffalo Rd - 2	Minor Reshape Annual Maintenance	\$1,448.59
Camp Victory Rd	Minor Reshape Annual Maintenance	\$292.45
Cape Moonshine Rd	Minor Reshape Annual Maintenance	\$3,269.56
Cheever Rd	Minor Reshape Annual Maintenance	\$2,140.81
Cross Rd	Minor Reshape Annual Maintenance	\$964.71
Currier Hill Rd	Minor Reshape Annual Maintenance	\$321.34
Dufour Rd	Minor Reshape Annual Maintenance	\$251.99
Ellsworth Hill Rd - 2	Minor Reshape Annual Maintenance	\$1,636.43
Ephraim Page Rd	Minor Reshape Annual Maintenance	\$219.29
Evans Rd	Minor Reshape Annual Maintenance	\$230.08
Frescoln Rd	Minor Reshape Annual Maintenance	\$1,787.00
Goves Ln	1.5in HMA overlay	\$24,175.86
Hilltop Rd	Minor Reshape Annual Maintenance	\$327.55
Libbey Rd	Minor Reshape Annual Maintenance	\$248.56
Nichols Hill Rd	Minor Reshape Annual Maintenance	\$1,691.89
North Dorchester Rd - 3	1.5in HMA overlay	\$21,178.99
Pond Brook Rd	Minor Reshape Annual Maintenance	\$717.52
Rowentown Rd	Minor Reshape Annual Maintenance	\$3,097.18
Saunders Hill Rd - 2	Minor Reshape Annual Maintenance	\$552.20
Thayer Mountain Rd	Minor Reshape Annual Maintenance	\$1,227.65
Turner Rd - 1	Ditch, fill/seal cracks	\$1,562.88
Turner Rd - 2	Minor Reshape Annual Maintenance	\$1,190.17
Vlk Mountain Rd	Minor Reshape Annual Maintenance	\$905.99
Zoe Rd	Minor Reshape Annual Maintenance	\$904.15
	Total Cost for Year 2:	\$76.317.45

Tab	le	8:	Y	ear	3	Re	pairs
I UN		υ.		Cui	9	I.C	puiis

Year 3						
Road Name	Repair	Cost				
Atwell Hill Rd - 2	Regrade Gravel	\$9,465.25				
Auguste Rd	Minor Reshape Annual Maintenance	\$1,094.12				
Beech Hill Rd	Minor Reshape Annual Maintenance	\$1,629.75				
Browns Ln	Ditch, replace 6in base, 2in surface	\$19,252.63				
Buffalo Rd - 2	Minor Reshape Annual Maintenance	\$1,521.02				
Camp Victory Rd	Minor Reshape Annual Maintenance	\$307.07				
Cape Moonshine Rd	Minor Reshape Annual Maintenance	\$3,433.04				
Cheever Rd	Minor Reshape Annual Maintenance	\$2,247.85				
Cross Rd	Minor Reshape Annual Maintenance	\$1,012.94				
Currier Hill Rd	Minor Reshape Annual Maintenance	\$337.41				
Dufour Rd	Minor Reshape Annual Maintenance	\$264.59				
Ellsworth Hill Rd - 2	Minor Reshape Annual Maintenance	\$1,718.25				
Ephraim Page Rd	Minor Reshape Annual Maintenance	\$230.26				
Evans Rd	Minor Reshape Annual Maintenance	\$241.58				
Frescoln Rd	Minor Reshape Annual Maintenance	\$1,876.35				
Hilltop Rd	Minor Reshape Annual Maintenance	\$343.92				
Libbey Rd	Minor Reshape Annual Maintenance	\$260.99				
Lookaway Ln	Ditch, fill/seal cracks	\$1,418.90				
Nichols Hill Rd	Minor Reshape Annual Maintenance	\$1,776.49				
Pond Brook Rd	Minor Reshape Annual Maintenance	\$753.39				
Rowentown Rd	Regrade Gravel	\$8,672.10				
Saunders Hill Rd - 2	Minor Reshape Annual Maintenance	\$579.81				
Thayer Mountain Rd	Minor Reshape Annual Maintenance	\$1,289.03				
Turner Rd - 2	Minor Reshape Annual Maintenance	\$1,249.68				
Vlk Mountain Rd	Minor Reshape Annual Maintenance	\$951.29				
Wentworth Village Rd	Ditch, replace 6in base, 2in surface	\$21,488.25				
Zoe Rd	Minor Reshape Annual Maintenance	\$949.36				
	Total Cost for Year 3:	\$84,365.33				

Table 9: Year 4 Repairs

Year 4				
Road Name Repair Co				
Atwell Hill Rd - 2	Minor Reshape Annual Maintenance	\$3,726.94		
Auguste Rd	Minor Reshape Annual Maintenance	\$1,148.82		
Beech Hill Rd	Minor Reshape Annual Maintenance	\$1,711.23		
Buffalo Rd - 2	Minor Reshape Annual Maintenance	\$1,597.07		
Camp Victory Rd	Minor Reshape Annual Maintenance	\$322.42		
Cape Moonshine Rd	Minor Reshape Annual Maintenance	\$3,604.69		
Cheever Rd	Minor Reshape Annual Maintenance	\$2,360.24		
Cross Rd	Minor Reshape Annual Maintenance	\$1,063.59		
Currier Hill Rd	Minor Reshape Annual Maintenance	\$354.28		
Dufour Rd	Minor Reshape Annual Maintenance	\$277.82		
East Side Rd	Ditch, fill/seal cracks	\$10,897.32		
Ellsworth Hill Rd - 2	Minor Reshape Annual Maintenance	\$1,804.16		
Ephraim Page Rd	Minor Reshape Annual Maintenance	\$241.77		
Evans Rd	Minor Reshape Annual Maintenance	\$253.66		
Frescoln Rd	Minor Reshape Annual Maintenance	\$1,970.16		
Hilltop Rd	Minor Reshape Annual Maintenance	\$361.12		
Libbey Rd	Regrade Gravel	\$730.77		
Nichols Hill Rd	Minor Reshape Annual Maintenance	\$1,865.31		
North Dorchester Rd - 4	Defer maintenance	\$0.00		
Pond Brook Rd	Minor Reshape Annual Maintenance	\$791.06		
Red Oak Hill Rd	Ditch, replace 6in base, 2in surface	\$57,819.28		
Rowentown Rd	Minor Reshape Annual Maintenance	\$3,414.64		
Saunders Hill Rd - 2	Minor Reshape Annual Maintenance	\$608.81		
Thayer Mountain Rd	Minor Reshape Annual Maintenance	\$1,353.48		
Turner Rd - 2	Minor Reshape Annual Maintenance	\$1,312.17		
Vlk Mountain Rd	Minor Reshape Annual Maintenance	\$998.86		
Zoe Rd	Minor Reshape Annual Maintenance	\$996.83		
Total Cost for Year 4: \$101,586.51				

Table 10:	Year 5	Repairs
-----------	--------	----------------

Year 5				
Road Name	Repair	Cost		
Atwell Hill Rd - 2	Minor Reshape Annual Maintenance	\$3,913.29		
Auguste Rd	Minor Reshape Annual Maintenance	\$1,206.26		
Beech Hill Rd	Regrade Gravel	\$4,791.46		
Buffalo Rd - 2	Minor Reshape Annual Maintenance	\$1,676.93		
Camp Victory Rd	Minor Reshape Annual Maintenance	\$338.54		
Cape Moonshine Rd	Minor Reshape Annual Maintenance	\$3,784.92		
Cheever Rd	Minor Reshape Annual Maintenance	\$2,478.25		
Cross Rd	Minor Reshape Annual Maintenance	\$1,116.77		
Currier Hill Rd	Regrade Gravel	\$991.97		
Dufour Rd	Minor Reshape Annual Maintenance	\$291.71		
Ellsworth Hill Rd - 1	Ditch, replace 6in base, 2in surface	\$64,624.76		
Ellsworth Hill Rd - 2	Minor Reshape Annual Maintenance	\$1,894.37		
Ephraim Page Rd	Minor Reshape Annual Maintenance	\$253.86		
Evans Rd	Minor Reshape Annual Maintenance	\$266.34		
Frescoln Rd	Minor Reshape Annual Maintenance	\$2 <i>,</i> 068.67		
Hilltop Rd	Regrade Gravel	\$1,011.14		
Libbey Rd	Minor Reshape Annual Maintenance	\$287.74		
Nichols Hill Rd	Minor Reshape Annual Maintenance	\$1,958.58		
North Dorchester Rd - 2	Hot Mix Patch	\$6,927.31		
Pond Brook Rd	Minor Reshape Annual Maintenance	\$830.62		
Rowentown Rd	Minor Reshape Annual Maintenance	\$3,585.37		
Saunders Hill Rd - 1	Defer maintenance	\$0.00		
Saunders Hill Rd - 2	Minor Reshape Annual Maintenance	\$639.25		
Thayer Mountain Rd	Minor Reshape Annual Maintenance	\$1,421.15		
Turner Rd - 1	Ditch, fill/seal cracks	\$1,809.23		
Turner Rd - 2	Minor Reshape Annual Maintenance	\$1,377.77		
Vlk Mountain Rd	Regrade Gravel	\$2,796.81		
Zoe Rd	Minor Reshape Annual Maintenance	\$1,046.67		

Total Cost for Year 5: \$113,389.74

	Table	11:	Year	6 Re	pairs
--	-------	-----	------	------	-------

Year 6				
Road Name Repair Cost				
Atwell Hill Rd - 1	Defer maintenance	\$0.00		
Atwell Hill Rd - 2	Minor Reshape Annual Maintenance	\$4,108.96		
Auguste Rd	Minor Reshape Annual Maintenance	\$1,266.58		
Beech Hill Rd	Minor Reshape Annual Maintenance	\$1,886.64		
Buffalo Rd - 1	1.5in HMA overlay	\$52,217.86		
Buffalo Rd - 2	Minor Reshape Annual Maintenance	\$1,760.77		
Camp Victory Rd	Minor Reshape Annual Maintenance	\$355.47		
Cape Moonshine Rd	Minor Reshape Annual Maintenance	\$3,974.17		
Cheever Rd	Minor Reshape Annual Maintenance	\$2,602.17		
Cross Rd	Minor Reshape Annual Maintenance	\$1,172.61		
Currier Hill Rd	Minor Reshape Annual Maintenance	\$390.59		
Dufour Rd	Minor Reshape Annual Maintenance	\$306.30		
Ellsworth Hill Rd - 2	Minor Reshape Annual Maintenance	\$1,989.09		
Ephraim Page Rd	Minor Reshape Annual Maintenance	\$266.55		
Evans Rd	Minor Reshape Annual Maintenance	\$279.66		
Frescoln Rd	Minor Reshape Annual Maintenance	\$2,172.11		
Hilltop Rd	Minor Reshape Annual Maintenance	\$398.14		
Libbey Rd	Minor Reshape Annual Maintenance	\$302.13		
Nichols Hill Rd	Minor Reshape Annual Maintenance	\$2,056.51		
North Dorchester Rd - 1	Fill/seal cracks	\$6,432.56		
Pond Brook Rd	Minor Reshape Annual Maintenance	\$872.15		
Rowentown Rd	Minor Reshape Annual Maintenance	\$3,764.64		
Saunders Hill Rd - 2	Minor Reshape Annual Maintenance	\$671.21		
Thayer Mountain Rd	Minor Reshape Annual Maintenance	\$1,492.21		
Turner Rd - 2	Minor Reshape Annual Maintenance	\$1,446.66		
Vlk Mountain Rd	Minor Reshape Annual Maintenance	\$1,101.24		
Zoe Rd	Minor Reshape Annual Maintenance	\$1,099.00		
Total Cost for Year 6: \$94,385.95				

Table	12:	Year	7 F	Repairs
--------------	-----	------	-----	---------

Year 7				
Road Name	Repair	Cost		
Atwell Hill Rd - 2	Regrade Gravel	\$11,505.08		
Auguste Rd	Minor Reshape Annual Maintenance	\$1,329.90		
Beech Hill Rd	Minor Reshape Annual Maintenance	\$1,980.97		
Buffalo Rd - 2	Regrade Gravel	\$4,930.17		
Camp Victory Rd	Minor Reshape Annual Maintenance	\$373.25		
Cape Moonshine Rd	Minor Reshape Annual Maintenance	\$4,172.88		
Cheever Rd	Minor Reshape Annual Maintenance	\$2,732.27		
Cross Rd	Minor Reshape Annual Maintenance	\$1,231.24		
Currier Hill Rd	Minor Reshape Annual Maintenance	\$410.12		
Dufour Rd	Minor Reshape Annual Maintenance	\$321.61		
Ellsworth Hill Rd - 2	Minor Reshape Annual Maintenance	\$2,088.54		
Ephraim Page Rd	Minor Reshape Annual Maintenance	\$279.88		
Evans Rd	Minor Reshape Annual Maintenance	\$293.64		
Frescoln Rd	Minor Reshape Annual Maintenance	\$2,280.71		
Hilltop Rd	Minor Reshape Annual Maintenance	\$418.04		
Libbey Rd	Minor Reshape Annual Maintenance	\$317.23		
Nichols Hill Rd	Minor Reshape Annual Maintenance	\$2,159.33		
North Dorchester Rd - 3	1.5in HMA overlay	\$27,030.36		
Pond Brook Rd	Regrade Gravel	\$2,442.01		
Rowentown Rd	Minor Reshape Annual Maintenance	\$3,952.87		
Saunders Hill Rd - 2	Minor Reshape Annual Maintenance	\$704.77		
Thayer Mountain Rd	Minor Reshape Annual Maintenance	\$1,566.82		
Turner Rd - 2	Minor Reshape Annual Maintenance	\$1,519.00		
Vlk Mountain Rd	Minor Reshape Annual Maintenance	\$1,156.30		
Zoe Rd	Minor Reshape Annual Maintenance	\$1,153.95		
Total Cost for Year 7: \$76,350.96				

Table 13: Year 8 Repairs

Year 8				
Road Name Repair				
Atwell Hill Rd - 2	Minor Reshape Annual Maintenance	\$4,530.12		
Auguste Rd	Minor Reshape Annual Maintenance	\$1,396.40		
Beech Hill Rd	Minor Reshape Annual Maintenance	\$2,080.02		
Buffalo Rd - 2	Minor Reshape Annual Maintenance	\$1,941.25		
Camp Victory Rd	Minor Reshape Annual Maintenance	\$391.91		
Cape Moonshine Rd	Minor Reshape Annual Maintenance	\$4,381.52		
Cheever Rd	Minor Reshape Annual Maintenance	\$2 <i>,</i> 868.89		
Cross Rd	Regrade Gravel	\$3,447.47		
Currier Hill Rd	Minor Reshape Annual Maintenance	\$430.62		
Dufour Rd	Minor Reshape Annual Maintenance	\$337.69		
Ellsworth Hill Rd - 2	Minor Reshape Annual Maintenance	\$2,192.97		
Ephraim Page Rd	Minor Reshape Annual Maintenance	\$293.87		
Evans Rd	Minor Reshape Annual Maintenance	\$308.33		
Frescoln Rd	Minor Reshape Annual Maintenance	\$2 <i>,</i> 394.75		
Goves Ln	1.5in HMA overlay	\$32,397.97		
Hilltop Rd	Minor Reshape Annual Maintenance	\$438.94		
Libbey Rd	Minor Reshape Annual Maintenance	\$333.09		
Nichols Hill Rd	Minor Reshape Annual Maintenance	\$2 <i>,</i> 267.30		
Pond Brook Rd	Minor Reshape Annual Maintenance	\$961.54		
Rowentown Rd	Minor Reshape Annual Maintenance	\$4,150.52		
Saunders Hill Rd - 2	Minor Reshape Annual Maintenance	\$740.01		
Thayer Mountain Rd	Minor Reshape Annual Maintenance	\$1,645.16		
Turner Rd - 2	Minor Reshape Annual Maintenance	\$1,594.95		
Vlk Mountain Rd	Minor Reshape Annual Maintenance	\$1,214.12		
Zoe Rd	Minor Reshape Annual Maintenance	\$1,211.65		
Total Cost for Year 8: \$73,951.07				

Table 14: Year 9 Repairs

Year 9				
Road Name	Repair	Cost		
Atwell Hill Rd - 2	Minor Reshape Annual Maintenance	\$4,756.63		
Auguste Rd	Minor Reshape Annual Maintenance	\$1,466.22		
Beech Hill Rd	Minor Reshape Annual Maintenance	\$2,184.02		
Buffalo Rd - 2	Minor Reshape Annual Maintenance	\$2,038.32		
Camp Victory Rd	Minor Reshape Annual Maintenance	\$411.50		
Cape Moonshine Rd	Minor Reshape Annual Maintenance	\$4,600.60		
Cheever Rd	Minor Reshape Annual Maintenance	\$3,012.33		
Cross Rd	Minor Reshape Annual Maintenance	\$1,357.44		
Currier Hill Rd	Minor Reshape Annual Maintenance	\$452.16		
Dufour Rd	Minor Reshape Annual Maintenance	\$354.58		
East Side Rd	Ditch, fill/seal cracks	\$13,908.05		
Ellsworth Hill Rd - 2	Minor Reshape Annual Maintenance	\$2,302.62		
Ephraim Page Rd	Minor Reshape Annual Maintenance	\$308.56		
Evans Rd	Minor Reshape Annual Maintenance	\$323.74		
Frescoln Rd	Minor Reshape Annual Maintenance	\$2,514.48		
Hilltop Rd	Minor Reshape Annual Maintenance	\$460.89		
Libbey Rd	Minor Reshape Annual Maintenance	\$349.75		
Lookaway Ln	Ditch, fill/seal cracks	\$1,901.46		
Nichols Hill Rd	Minor Reshape Annual Maintenance	\$2,380.67		
Pond Brook Rd	Minor Reshape Annual Maintenance	\$1,009.62		
Rowentown Rd	Regrade Gravel	\$11,621.44		
Saunders Hill Rd - 2	Minor Reshape Annual Maintenance	\$777.01		
Thayer Mountain Rd	Minor Reshape Annual Maintenance	\$1,727.42		
Turner Rd - 2	Minor Reshape Annual Maintenance	\$1,674.69		
Vlk Mountain Rd	Minor Reshape Annual Maintenance	\$1,274.83		
Zoe Rd	Minor Reshape Annual Maintenance	\$1,272.23		
Total Cost for Year 9: \$64,441.26				

Year 10				
Road Name	Repair	Cost		
Atwell Hill Rd - 2	Regrade Gravel	\$13,318.56		
Auguste Rd	Minor Reshape Annual Maintenance	\$1 <i>,</i> 539.53		
Beech Hill Rd	Minor Reshape Annual Maintenance	\$2,293.22		
Buffalo Rd - 2	Minor Reshape Annual Maintenance	\$2,140.23		
Camp Victory Rd	Minor Reshape Annual Maintenance	\$432.08		
Cape Moonshine Rd	Minor Reshape Annual Maintenance	\$4,830.63		
Cheever Rd	Minor Reshape Annual Maintenance	\$3,162.95		
Cross Rd	Minor Reshape Annual Maintenance	\$1,425.31		
Currier Hill Rd	Minor Reshape Annual Maintenance	\$474.76		
Dufour Rd	Minor Reshape Annual Maintenance	\$372.31		
Ellsworth Hill Rd - 2	Minor Reshape Annual Maintenance	\$2,417.75		
Ephraim Page Rd	Minor Reshape Annual Maintenance	\$323.99		
Evans Rd	Minor Reshape Annual Maintenance	\$339.93		
Frescoln Rd	Minor Reshape Annual Maintenance	\$2,640.21		
Hilltop Rd	Regrade Gravel	\$1,290.50		
Libbey Rd	Minor Reshape Annual Maintenance	\$367.24		
Nichols Hill Rd	Minor Reshape Annual Maintenance	\$2 <i>,</i> 499.70		
North Dorchester Rd - 1	Fill/seal cracks	\$5,292.08		
Pond Brook Rd	Minor Reshape Annual Maintenance	\$1,060.10		
Rowentown Rd	Minor Reshape Annual Maintenance	\$4,575.94		
Saunders Hill Rd - 2	Minor Reshape Annual Maintenance	\$815.86		
Thayer Mountain Rd	Minor Reshape Annual Maintenance	\$1,813.79		
Turner Rd - 2	Minor Reshape Annual Maintenance	\$1,758.43		
Vlk Mountain Rd	Minor Reshape Annual Maintenance	\$1,338.57		
Zoe Rd	Minor Reshape Annual Maintenance	\$1,335.85		
Total Cost for Year 10: \$57,859.51				

Table 15: Year 10 Repairs

Appendix F: Repairs & Costs by Road

Table 16: Asset Repairs and Costs, Grouped by Asset

	UID	Road_Section_Name			Length
	Year	Repair		Cost	C
1		Buffalo Rd - 1			11119.1775139
	1	1.5in HMA overlay		\$40,914.06	
	6	1.5in HMA overlay		\$52,217.86	
			Total Cost:	\$93,131.91	
2		Pond Brook Rd			2169.36517244
	1	Minor Reshape Annual Maintenance		\$683.35	
	2	Minor Reshape Annual Maintenance		\$717.52	
	3	Minor Reshape Annual Maintenance		\$753.39	
	4	Minor Reshape Annual Maintenance		\$791.06	
	5	Minor Reshape Annual Maintenance		\$830.62	
	6	Minor Reshape Annual Maintenance		\$872.15	
	/	Regrade Gravel		\$2,442.01	
	8	Minor Reshape Annual Maintenance		\$961.54	
	9	Minor Reshape Annual Maintenance		\$1,009.0Z	
	10	Minor Resnape Annual Maintenance	Total Cost:	Φ1,000.10 ¢10,121,26	
			Total Cost.	\$10,121.30	
3	0	Goves Ln		A O 4 475 00	3754.43052835
	2	1.5IN HIVIA overlay		\$24,175.86	
	8	1.5In HIVIA overlay	Total Cost	\$32,397.97 ¢56,572,92	
			Total Cost.	\$30,573.63	
4		Turner Rd - 2			3998.23091374
	1	Minor Reshape Annual Maintenance		\$1,133.50	
	2	Minor Reshape Annual Maintenance		\$1,190.17	
	3	Minor Reshape Annual Maintenance		\$1,249.68	
	4	Minor Reshape Annual Maintenance		\$1,312.17	
	5	Minor Reshape Annual Maintenance		\$1,377.77	
	6	Minor Reshape Annual Maintenance		\$1,446.66	
	/	Minor Reshape Annual Maintenance		\$1,519.00	
	8	Minor Reshape Annual Maintenance		\$1,594.95	
	9	Minor Reshape Annual Maintenance		\$1,674.69	
	10	Minor Resnape Annual Maintenance	Total Cost:	\$1,758.43 \$17 257 02	
				ψ14,207.02	
5	4	Cape Moonshine Rd		¢0 440 07	12356.6104802
	1	Minor Resnape Annual Maintenance		\$3,113.87	
	2	Minor Reshape Annual Maintenance		\$3,209.50 \$3,433.04	
	3	Minor Reshape Annual Maintenance		\$3,433.04 \$3,604.60	
	4 5	Minor Reshape Annual Maintenance		\$3,004.09 \$3,794.02	
	5 6	Minor Reshape Annual Maintenance		93,704.92 \$2,077,17	
	7	Minor Reshape Annual Maintenance		φ3,974.17 ¢1 172 99	
	8	Minor Reshape Annual Maintenance		Ψ 1 ,17∠.00 \$ <u>1</u>	
	q	Minor Reshape Annual Maintenance		\$4 600 60	
	10	Minor Reshape Annual Maintenance		\$4 830 63	
	.0		Total Cost:	\$39,165.87	
6		Red Oak Hill Rd			3397 71909377
0	4	Ditch replace 6in base 2in surface		\$57 819 28	5551.11503511
	т		Total Cost:	\$57,819,28	
				ψ01,010.20	

1 Minor Reshape Annual Maintenance \$300.04 2 Minor Reshape Annual Maintenance \$337.41 4 Minor Reshape Annual Maintenance \$337.41 5 Regrade Gravel \$391.97 6 Minor Reshape Annual Maintenance \$330.62 7 Minor Reshape Annual Maintenance \$430.62 8 Minor Reshape Annual Maintenance \$442.16 10 Minor Reshape Annual Maintenance \$442.16 5 Ditch, replace 6in base, 2in surface \$44.624.76 6 Minor Reshape Annual Maintenance \$178.5623353 7 Ditch, replace 6in base, 2in surface \$14.125.27 7 Total Cost: \$21.488.25 7 Minor Reshape Annual Maintenance \$1.52.14 4 Minor Reshape Annual Maintenance \$1.24.73.1545736 1 Minor Reshape Annual Maintenance \$1.80.01 6 Minor Reshape Annual Maintenance	7	Currier Hill Rd		1619.24080139
2 Minor Reshape Annual Maintenance \$321.34 3 Minor Reshape Annual Maintenance \$337.41 4 Minor Reshape Annual Maintenance \$337.41 5 Regrade Gravel \$3941.97 6 Minor Reshape Annual Maintenance \$330.59 7 Minor Reshape Annual Maintenance \$440.12 9 Minor Reshape Annual Maintenance \$4476.16 10 Minor Reshape Annual Maintenance \$4476.76 7 Total Cost: \$44.624.76 9 Minor Reshape Annual Maintenance \$474.76 7 Ditch, replace 6in base, 2in surface \$21,488.25 7 Total Cost: \$21,488.25 7 Minor Reshape Annual Maintenance \$1,522.14 1 Minor Reshape Annual Maintenance \$1,629.75 2 Minor Reshape Annual Maintenance \$1,629.75 1 Minor Reshape Annual Maintenance \$1,629.76 2 Minor Reshape Annual Maintenance \$1,629.76 3 Minor Reshape Annual Maintenance \$1,629.76 4 Minor Reshape Annual Maintenance \$1,629.76 1	1	Minor Reshape Annual Maintenance	\$306.04	
3 Minor Reshape Annual Maintenance \$337.41 4 Minor Reshape Annual Maintenance \$334.23 5 Regrade Gravel \$991.97 6 Minor Reshape Annual Maintenance \$410.12 8 Minor Reshape Annual Maintenance \$4430.62 9 Minor Reshape Annual Maintenance \$442.16 10 Minor Reshape Annual Maintenance \$4452.16 10 Minor Reshape Annual Maintenance \$4452.16 5 Ditch, replace Bin base, 2in surface Total Cost: \$544.624.76 7 Minor Reshape Annual Maintenance \$14.78.23 3 Ditch, replace Bin base, 2in surface \$14.78.23 6 Minor Reshape Annual Maintenance \$1.478.23 7 Minor Reshape Annual Maintenance \$1.478.23 1 Minor Reshape Annual Maintenance \$1.478.23 2 Minor Reshape Annual Maintenance \$1.478.23 3 Minor Reshape Annual Maintenance \$1.478.23 4 Minor Reshape Annual Maintenance \$1.478.23 5 Regrade Gravel \$1.711.23 6 Minor Reshape Annual Maintenance <t< td=""><td>2</td><td>Minor Reshape Annual Maintenance</td><td>\$321.34</td><td></td></t<>	2	Minor Reshape Annual Maintenance	\$321.34	
4 Minor Reshape Annual Maintenance \$334.26 5 Regrade Gravel \$391.97 6 Minor Reshape Annual Maintenance \$340.50 7 Minor Reshape Annual Maintenance \$440.12 8 Minor Reshape Annual Maintenance \$443.216 9 Minor Reshape Annual Maintenance \$447.76 10 Minor Reshape Annual Maintenance \$447.76 7 Total Cost: \$64,624.76 9 Wentworth Village Rd 1178.5623353 3 Ditch, replace 6in base, 2in surface \$14,478.25 7 Minor Reshape Annual Maintenance \$1,478.23 1 Minor Reshape Annual Maintenance \$1,478.23 2 Minor Reshape Annual Maintenance \$1,622.75 1 Minor Reshape Annual Maintenance \$1,622.75 2 Minor Reshape Annual Maintenance \$1,886.64 7 Minor Reshape Annual Maintenance \$1,880.64 7 Minor Reshape Annual Maintenance \$1,880.64 7 Minor Reshape Annual Maintenance \$1,880.64 7 Minor Reshape Annual Maintenance \$1,880.64 <t< td=""><td>3</td><td>Minor Reshape Annual Maintenance</td><td>\$337.41</td><td></td></t<>	3	Minor Reshape Annual Maintenance	\$337.41	
5 Acy and a bare of the second s	4	Minor Resnape Annual Maintenance	\$354.28 \$001.07	
7 Minor Reshape Annual Maintenance 8 \$410.12 8 Minor Reshape Annual Maintenance 9 \$430.62 9 Minor Reshape Annual Maintenance 9 \$474.76 10 Minor Reshape Annual Maintenance 9 \$474.76 7 Minor Reshape Annual Maintenance 9 \$474.76 7 Ditch, replace 6in base, 2in surface 9 \$64.624.76 7 Ditch, replace 6in base, 2in surface 9 \$64.624.76 7 Total Cost: \$21,488.25 7 Minor Reshape Annual Maintenance 2 \$1,771.23 8 Ellsworth Village Rd 9 Total Cost: \$21,488.25 10 Beech Hill Rd 1 Minor Reshape Annual Maintenance 2 \$1,272.31 2 Minor Reshape Annual Maintenance 2 \$1,273.4 \$21,488.25 3 Minor Reshape Annual Maintenance 2 \$1,280.64 \$171.1.23 4 Minor Reshape Annual Maintenance 2 \$1,880.64 \$1,711.23 5 Regrade Gravel 6 \$1,880.64 \$1,880.64 7 Minor Reshape Annual Maintenance 2 \$1,880.64 \$1,880.64 7 Minor Reshape Annual Maintenance 2 \$1,880.64 \$1,980.97 <td>5</td> <td>Minor Reshane Annual Maintenance</td> <td>4991.97 \$300.50</td> <td></td>	5	Minor Reshane Annual Maintenance	4991.97 \$300.50	
8 Minor Reshape Annual Maintenance 9 \$430.62 \$452.16 \$10 9 Minor Reshape Annual Maintenance 10 \$452.16 \$174.76 8 Ellsworth Hill Rd - 1 Ditch, replace 6in base, 2in surface 3 Total Cost: \$44.469.28 9 Wentworth Village Rd 3 1178.5623353 3214.93266986 10 Beech Hill Rd 1 Minor Reshape Annual Maintenance 3 \$21,488.25 10 Beech Hill Rd 1 Minor Reshape Annual Maintenance 5 \$21,488.25 10 Beech Hill Rd 1 Minor Reshape Annual Maintenance 5 \$21,488.25 10 Beech Hill Rd 1 Minor Reshape Annual Maintenance 5 \$1,478.23 2 Minor Reshape Annual Maintenance 5 \$1,629.75 4 Minor Reshape Annual Maintenance 5 \$1,829.07 5 Regrade Gravel 6 \$1,000.72 \$1,890.97 6 Minor Reshape Annual Maintenance 5 \$2,293.22 10 Minor Reshape Annual Maintenance 5 \$2,293.22 10 Minor Reshape Annual Maintenance 5 \$1,613.33 11 Atwell Hill Rd - 1 6 1 \$100.776.49 11 Minor Reshape Annual Maintenance 5 \$1,611.33 1	7	Minor Reshape Annual Maintenance	\$330.33	
9 10Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance S474.76S474.76 S474.768Elisworth Hill Rd - 1 Ditch, replace 6in base, 2in surfaceTotal Cost:\$4,469.289Wentworth Village Rd Ditch, replace 6in base, 2in surfaceTotal Cost:\$21,488.259Wentworth Village Rd Ditch, replace 6in base, 2in surfaceTotal Cost:\$21,488.2510Beech Hill Rd7821.315457361Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance\$1,478.232Minor Reshape Annual Maintenance\$1,52.143Minor Reshape Annual Maintenance\$1,672.134Minor Reshape Annual Maintenance\$1,692.175Regrade Gravel\$4,791.466Minor Reshape Annual Maintenance\$1,886.647Minor Reshape Annual Maintenance\$2,080.029Minor Reshape Annual Maintenance\$2,203.2210Minor Reshape Annual Maintenance\$2,203.229Minor Reshape Annual Maintenance\$2,203.2210Minor Reshape Annual Maintenance\$2,184.0210Minor Reshape Annual Maintenance\$1,613.30111Atwell Hill Rd - 1 Defer maintenance\$1,613.30112East Side Rd\$1,613.30113Nichols Hill Rd\$1611.3314Ditch, fill/seal cracks\$1,619.393Minor Reshape Annual Maintenance\$1,613.30114Minor Reshape Annual Maintenance\$1,619.393Minor Reshape Annual Maintenance<	8	Minor Reshape Annual Maintenance	\$430.62	
10 Minor Reshape Annual Maintenance \$47.76 7 total Cost: \$4,469.28 8 Elisworth Hill Rd - 1 \$56,46,24.76 5 Ditch, replace 6in base, 2in surface \$56,46,24.76 9 Wentworth Village Rd 1178.5623353 3 Ditch, replace 6in base, 2in surface \$21,488.25 10 Beech Hill Rd 70 tal Cost: 2 Minor Reshape Annual Maintenance \$1478.25 3 Minor Reshape Annual Maintenance \$1,478.25 4 Minor Reshape Annual Maintenance \$1,479.23 5 Regrade Gravel \$1,779.46 6 Minor Reshape Annual Maintenance \$1,890.97 8 Minor Reshape Annual Maintenance \$2,800.02 9 Minor Reshape Annual Maintenance \$2,800.02 10 Minor Reshape Annual Maintenance \$2,181.02 11 Ditch, fill	9	Minor Reshape Annual Maintenance	\$452.16	
Total Cost: \$4,469.28 8 Ellsworth Hill Rd - 1 3214.93266996 5 Ditch, replace 6in base, 2in surface \$64,624.76 9 Wentworth Village Rd 1178.5623353 3 Ditch, replace 6in base, 2in surface \$21,488.25 10 Beech Hill Rd 7821.31545736 1 Minor Reshape Annual Maintenance \$1,552.14 2 Minor Reshape Annual Maintenance \$1,552.14 3 Minor Reshape Annual Maintenance \$1,886.64 4 Minor Reshape Annual Maintenance \$1,886.64 6 Minor Reshape Annual Maintenance \$2,080.02 9 Minor Reshape Annual Maintenance \$2,080.02 10 Minor Reshape Annual Maintenance \$2,080.02 10 Minor Reshape Annual Maintenance \$2,184.02 10 Minor Reshape Annual Maintenance \$2,188.02 10 Minor Reshape Annual Maintenance \$2,184.02 10 Minor Reshape Annual Maintenance \$1,014.02 11 Atwell Hill Rd - 1 50.00 12 East	10	Minor Reshape Annual Maintenance	\$474.76	
8 Elisworth Hill Rd - 1 Ditch, replace 6in base, 2in surface \$64,624.76 \$64,624.76 \$214,93266986 9 Wentworth Village Rd Ditch, replace 6in base, 2in surface \$21,488.25 \$21,488.25 \$21,488.25 10 Beech Hill Rd 7821.31545736 70821.31545736 1 Minor Reshape Annual Maintenance \$1,552.14 808.64 2 Minor Reshape Annual Maintenance \$1,629.75 81.629.75 3 Minor Reshape Annual Maintenance \$1,629.75 81.629.75 4 Minor Reshape Annual Maintenance \$1,820.97 81.629.75 5 Regrade Gravel \$1,418.02 700.000 6 Minor Reshape Annual Maintenance \$2,080.02 82.293.22 10 Minor Reshape Annual Maintenance \$2,184.02 500.00 10 Minor Reshape Annual Maintenance \$2,184.02 500.00 10 Minor Reshape Annual Maintenance \$2,184.02 500.00 10 Minor Reshape Annual Maintenance \$1,610.39 500.00 11 Atwell Hill Rd - 1 500.00 500.00 500.00			Total Cost: \$4,469.28	
5 Ditch, replace 6in base, 2in surface \$64,624.76 9 Wentworth Village Rd 1178.5623353 3 Ditch, replace 6in base, 2in surface \$21,488.25 10 Beech Hill Rd 7821.31545736 1 Minor Reshape Annual Maintenance \$1,478.23 2 Minor Reshape Annual Maintenance \$1,629.75 4 Minor Reshape Annual Maintenance \$1,829.75 5 Regrade Gravel \$4,791.46 6 Minor Reshape Annual Maintenance \$1,980.97 8 Minor Reshape Annual Maintenance \$2,2080.02 9 Minor Reshape Annual Maintenance \$2,2080.02 10 Minor Reshape Annual Maintenance \$2,283.22 10 Minor Reshape Annual Maintenance \$2,283.02 10 Minor Reshape Annual Maintenance \$1,980.97 10 Minor Reshape Annual Maintenance \$1,980.97 11 Atwell Hill Rd - 1 5122.68178306 12 East Side Rd 13792.6922006 13 Ditch, fill/seal cracks \$1,611.33 14	8	Ellsworth Hill Rd - 1		3214.93266986
Total Cost: \$64,624.76 9 Wentworth Village Rd 1178.5623353 3 Ditch, replace 6in base, 2in surface \$21,488.25 10 Beech Hill Rd 7821.31545736 1 Minor Reshape Annual Maintenance \$1,478.23 2 Minor Reshape Annual Maintenance \$1,629.75 4 Minor Reshape Annual Maintenance \$1,711.23 5 Regrade Gravel \$4,711.46 6 Minor Reshape Annual Maintenance \$1,880.64 7 Minor Reshape Annual Maintenance \$1,880.64 7 Minor Reshape Annual Maintenance \$2,080.02 9 Minor Reshape Annual Maintenance \$2,203.22 10 Minor Reshape Annual Maintenance \$2,203.02 9 Minor Reshape Annual Maintenance \$2,203.02 9 Minor Reshape Annual Maintenance \$2,203.22 10 Minor Reshape Annual Maintenance \$2,203.02 11 Atwell Hill Rd - 1 fotal Cost: \$31,908.05 12 East Side Rd 13792.6922006 1 Ditch	5	Ditch, replace 6in base, 2in surface	\$64,624.76	
9 Wentworth Village Rd 1178.5623353 3 Ditch, replace 6 in base, 2 in surface \$21,488.25 10 Beech Hill Rd 7821.31545736 1 Minor Reshape Annual Maintenance \$1,478.23 2 Minor Reshape Annual Maintenance \$1,552.14 3 Minor Reshape Annual Maintenance \$1,629.75 4 Minor Reshape Annual Maintenance \$1,711.23 5 Regrade Gravel \$4,791.46 6 Minor Reshape Annual Maintenance \$2,184.02 9 Minor Reshape Annual Maintenance \$2,080.02 9 Minor Reshape Annual Maintenance \$2,080.02 9 Minor Reshape Annual Maintenance \$2,080.02 10 Minor Reshape Annual Maintenance \$2,080.02 11 Defer maintenance \$2,080.02 12 East Side Rd 13792.6922006 14 Ditch, fill/seal cracks \$10,487.32 9 Ditch, fill/seal cracks \$10,897.32 9 Ditch, fill/seal cracks \$113,3908.05 13 Nichols Hill Rd \$115,32738901 1 Minor Reshape Annual M			Total Cost: \$64,624.76	
3 Ditch, replace 6in base, 2in surface \$21,488.25 1 Total Cost: \$21,488.25 10 Beech Hill Rd 7821.31545736 1 Minor Reshape Annual Maintenance \$1,478.23 2 Minor Reshape Annual Maintenance \$1,552.14 3 Minor Reshape Annual Maintenance \$1,522.44 4 Minor Reshape Annual Maintenance \$1,629.75 5 Regrade Gravel \$1,711.23 6 Minor Reshape Annual Maintenance \$1,880.64 7 Minor Reshape Annual Maintenance \$2,080.02 9 Minor Reshape Annual Maintenance \$2,283.22 10 Minor Reshape Annual Maintenance \$2,080.02 10 Minor Reshape Annual Maintenance \$2,080.02 11 Atwell Hill Rd - 1 \$122.68178306 6 Defer maintenance \$2,080.02 11 Ditch, fill/seal cracks \$9,9413.51 1 Ditch, fill/seal cracks \$14,091.398.02 1 Minor Reshape Annual Maintenance \$16,11.33 1 Minor Reshape	9	Wentworth Village Rd		1178.5623353
Total Cost:\$21,488.2510Beech Hill Rd7821.315457361Minor Reshape Annual Maintenance\$1,478.232Minor Reshape Annual Maintenance\$1,552.143Minor Reshape Annual Maintenance\$1,552.144Minor Reshape Annual Maintenance\$1,552.145Regrade Gravel\$4,791.466Minor Reshape Annual Maintenance\$1,886.647Minor Reshape Annual Maintenance\$1,886.647Minor Reshape Annual Maintenance\$2,080.029Minor Reshape Annual Maintenance\$2,293.2210Minor Reshape Annual Maintenance\$2,293.2210Minor Reshape Annual Maintenance\$2,293.2210Minor Reshape Annual Maintenance\$2,293.2210Minor Reshape Annual Maintenance\$2,293.2210Defer maintenance\$0.0010Defer maintenance\$0.0011Atwell Hill Rd - 1\$122.681783066Defer maintenance\$1,01.5111Ditch, fill/seal cracks\$10,097.329Ditch, fill/seal cracks\$10,097.329Ditch, fill/seal cracks\$10,097.3213Nichols Hill Rd\$115.327389011Minor Reshape Annual Maintenance\$1,611.332Minor Reshape Annual Maintenance\$1,611.333Minor Reshape Annual Maintenance\$1,691.893Minor Reshape Annual Maintenance\$1,653.15Minor Reshape Annual Maintenance\$1,613.336	3	Ditch, replace 6in base, 2in surface	\$21,488.25	
10 Beech Hill Rd 7821.31545736 1 Minor Reshape Annual Maintenance \$1,478.23 2 Minor Reshape Annual Maintenance \$1,629.75 3 Minor Reshape Annual Maintenance \$1,629.75 4 Minor Reshape Annual Maintenance \$1,711.23 5 Regrade Gravel \$4,791.46 6 Minor Reshape Annual Maintenance \$1,886.64 7 Minor Reshape Annual Maintenance \$2,280.02 9 Minor Reshape Annual Maintenance \$2,2080.02 9 Minor Reshape Annual Maintenance \$2,283.22 10 Minor Reshape Annual Maintenance \$2,283.22 10 Minor Reshape Annual Maintenance \$2,080.02 9 Minor Reshape Annual Maintenance \$2,080.02 10 Defer maintenance \$2,080.02 12 East Side Rd 13792.6922006 1 Ditch, fill/seal cracks \$9,010 2 Minor Reshape Annual Maintenance \$10,897.32 3 Minor Reshape Annual Maintenance \$16,811.33 2 Minor Reshape Annual Maintenance \$16,918.89 3			Total Cost: \$21,488.25	
1 Minor Reshape Annual Maintenance \$1,478.23 2 Minor Reshape Annual Maintenance \$1,552.14 3 Minor Reshape Annual Maintenance \$1,629.75 4 Minor Reshape Annual Maintenance \$1,711.23 5 Regrade Gravel \$4,791.46 6 Minor Reshape Annual Maintenance \$1,886.64 7 Minor Reshape Annual Maintenance \$2,2080.02 9 Minor Reshape Annual Maintenance \$2,2080.02 9 Minor Reshape Annual Maintenance \$2,2080.02 10 Minor Reshape Annual Maintenance \$2,2080.02 10 Minor Reshape Annual Maintenance \$2,2080.02 10 Minor Reshape Annual Maintenance \$2,184.02 10 Minor Reshape Annual Maintenance \$2,184.02 11 Atwell Hill Rd -1 \$1000 \$1000 6 Defer maintenance \$1000 \$1000 12 East Side Rd \$10100, fill/seal cracks \$9,413.51 4 Ditch, fill/seal cracks \$11,611.33 \$115.32738901 1 Minor Reshape Annual Maintenance \$1,776.49 1 <t< td=""><td>10</td><td>Beech Hill Rd</td><td></td><td>7821.31545736</td></t<>	10	Beech Hill Rd		7821.31545736
2 Minor Reshape Annual Maintenance \$1,552,14 3 Minor Reshape Annual Maintenance \$1,629,75 4 Minor Reshape Annual Maintenance \$1,711,23 5 Regrade Gravel \$4,791,46 6 Minor Reshape Annual Maintenance \$1,980,97 8 Minor Reshape Annual Maintenance \$2,080,02 9 Minor Reshape Annual Maintenance \$2,203,22 10 Minor Reshape Annual Maintenance \$2,23,22 10 Minor Reshape Annual Maintenance \$2,23,22 10 Minor Reshape Annual Maintenance \$2,23,22 10 Minor Reshape Annual Maintenance \$2,293,22 11 Atwell Hill Rd - 1 5122,68178306 6 Defer maintenance \$0,000 12 East Side Rd 13792,6922006 1 Ditch, fill/seal cracks \$1,611,33 9 Ditch, fill/seal cracks \$1,96,31 1 Minor Reshape Annual Maintenance \$1,611,33 2 Minor Reshape Annual Maintenance \$1,91,89 3 Minor Reshape Annual Maintenance \$1,91,89 4 Minor R	1	Minor Reshape Annual Maintenance	\$1,478.23	
3 Minor Reshape Annual Maintenance \$1,629,75 4 Minor Reshape Annual Maintenance \$1,711,23 5 Regrade Gravel \$4,791.46 6 Minor Reshape Annual Maintenance \$1,880.64 7 Minor Reshape Annual Maintenance \$1,980.97 8 Minor Reshape Annual Maintenance \$2,080.02 9 Minor Reshape Annual Maintenance \$2,293.22 10 Minor Reshape Annual Maintenance \$2,293.22 10 Minor Reshape Annual Maintenance \$2,293.22 11 Atwell Hill Rd - 1 \$2,293.22 6 Defer maintenance \$2,290.00 12 East Side Rd \$13792.6922006 1 Ditch, fill/seal cracks \$9,413.51 4 Ditch, fill/seal cracks \$10,897.32 9 Ditch, fill/seal cracks \$13,908.05 10 Minor Reshape Annual Maintenance \$1,611.33 1 Minor Reshape Annual Maintenance \$1,611.89 3 Minor Reshape Annual Maintenance \$1,611.89 3 Minor Reshape Annual Maintenance \$1,958.58 6 Minor Res	2	Minor Reshape Annual Maintenance	\$1,552.14	
4 Minor Reshape Annual Maintenance \$1,711.23 5 Regrade Gravel \$4,791.46 6 Minor Reshape Annual Maintenance \$1,886.64 7 Minor Reshape Annual Maintenance \$2,080.02 9 Minor Reshape Annual Maintenance \$2,080.02 9 Minor Reshape Annual Maintenance \$2,080.02 10 Minor Reshape Annual Maintenance \$2,080.02 11 Atwell Hill Rd - 1 5122.68178306 6 Defer maintenance \$0.00 12 East Side Rd 13792.6922006 1 Ditch, fill/seal cracks \$11,898.05 9 Ditch, fill/seal cracks \$10,897.32 9 Ditch, fill/seal cracks \$14,01.89 1 Minor Reshape Annual Maintenance \$1,611.33 1 Minor Reshape Annual Maintenance \$1,691.89 3 Minor Reshape Annual Maintenance \$1,958.58 6 Minor Res	3	Minor Reshape Annual Maintenance	\$1,629.75	
3Negrade Graver34, 791, 406Minor Reshape Annual Maintenance\$1,886,647Minor Reshape Annual Maintenance\$2,080.029Minor Reshape Annual Maintenance\$2,080.029Minor Reshape Annual Maintenance\$2,293.2210Minor Reshape Annual Maintenance\$2,293.2210Minor Reshape Annual Maintenance\$2,293.2211Atwell Hill Rd - 1\$0.006Defer maintenance\$0.0012East Side Rd13792.69220061Ditch, fill/seal cracks\$10,897.329Ditch, fill/seal cracks\$115.327389011Minor Reshape Annual Maintenance\$1,611.332Minor Reshape Annual Maintenance\$1,611.332Minor Reshape Annual Maintenance\$1,611.332Minor Reshape Annual Maintenance\$1,653.13Minor Reshape Annual Maintenance\$1,865.314Minor Reshape Annual Maintenance\$1,653.33Minor Reshape Annual Maintenance\$1,653.34Minor Reshape Annual Maintenance\$1,858.586Minor Reshape Annual Maintenance\$2,266.517Minor Reshape Annual Maintenance\$2,273.309Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,280.6710Minor Reshape Annual Maintenance\$2,280.6710 </td <td>4</td> <td>Minor Resnape Annual Maintenance</td> <td>\$1,711.23 \$4,701.46</td> <td></td>	4	Minor Resnape Annual Maintenance	\$1,711.23 \$4,701.46	
7Minor Reshape Annual Maintenance\$1,980.978Minor Reshape Annual Maintenance\$2,080.029Minor Reshape Annual Maintenance\$2,184.0210Minor Reshape Annual Maintenance\$2,293.2210Minor Reshape Annual Maintenance\$2,293.2211Atwell Hill Rd - 1\$122.681783066Defer maintenance\$0.0012East Side Rd\$0.001Ditch, fill/seal cracks\$9,413.514Ditch, fill/seal cracks\$10,897.329Ditch, fill/seal cracks\$11,611.3313Nichols Hill Rd\$115.327389011Minor Reshape Annual Maintenance\$1,611.332Minor Reshape Annual Maintenance\$1,611.333Minor Reshape Annual Maintenance\$1,665.314Minor Reshape Annual Maintenance\$1,865.315Minor Reshape Annual Maintenance\$1,865.314Minor Reshape Annual Maintenance\$1,865.315Minor Reshape Annual Maintenance\$2,265.516Minor Reshape Annual Maintenance\$2,265.517Minor Reshape Annual Maintenance\$2,267.308Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,280.6710Minor Reshape Annual Maintenance\$2,280.6711Lookaway Ln\$1,418.909Ditch, fill/seal cr	6	Minor Reshape Annual Maintenance	\$4,791.40 \$1 886 64	
8Minor Reshape Annual Maintenance\$2,080.029Minor Reshape Annual Maintenance\$2,193.2210Minor Reshape Annual Maintenance\$2,23.2211Atwell Hill Rd - 1\$0.006Defer maintenance\$0.0012East Side Rd\$0.001Ditch, fill/seal cracks\$10,897.329Ditch, fill/seal cracks\$13,908.0511Minor Reshape Annual Maintenance\$13,908.0511Ditch, fill/seal cracks\$10,897.329Ditch, fill/seal cracks\$13,908.0511Minor Reshape Annual Maintenance\$1,611.3313Nichols Hill Rd\$115.327389011Minor Reshape Annual Maintenance\$1,691.893Minor Reshape Annual Maintenance\$1,776.494Minor Reshape Annual Maintenance\$1,255.815Minor Reshape Annual Maintenance\$1,256.517Minor Reshape Annual Maintenance\$2,380.677Minor Reshape Annual Maintenance\$2,266.517Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,249.7010Minor Reshape Annual Maintenance\$2,249.7011Lookaway Ln\$1,418.903Ditch, fill/seal cracks\$1,901.463Ditch, fill/seal cracks\$1,901.463Ditch, fill/seal cracks\$1,901.464Lookaway Ln\$1,901.463Ditch, fill/seal cracks\$1,901.464Lookaway Ln	7	Minor Reshape Annual Maintenance	\$1.980.97	
9Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance \$2,293,22\$2,293,2210Minor Reshape Annual Maintenance \$2,287,66\$21,587,6611Atwell Hill Rd - 1 Defer maintenance\$0.00 Total Cost:\$122,681783066Defer maintenance\$0.0012East Side Rd Ditch, fill/seal cracks\$13,908,05 \$113,908,05\$13,908,05 \$113,908,0513Nichols Hill Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 4\$115,327389011Minor Reshape Annual Maintenance \$1,691,89\$13,908,05 \$13,908,05\$115,327389011Minor Reshape Annual Maintenance \$1,691,89\$115,327389011Minor Reshape Annual Maintenance \$1,691,89\$115,327389011Minor Reshape Annual Maintenance \$1,776,49\$115,327389011Minor Reshape Annual Maintenance \$1,585,86\$13,908,05 \$13,908,056Minor Reshape Annual Maintenance \$2,266,51\$1,958,586Minor Reshape Annual Maintenance \$2,249,70\$2,249,70 Total Cost:14Lookaway Ln \$1,191,681\$1,418,30 \$1,901,463Ditch, fill/seal cracks \$1,901,46\$1,914,60 \$1,901,463Ditch, fill/seal cracks\$1,418,00 \$1,901,469Ditch, fill/seal cracks\$1,901,46 \$1,901,4614Lookaway Ln \$1,014, fill/seal cracks\$1,901,46 \$1,901,463Ditch, fill/seal cracks\$1,901,46 \$1,901,469Ditch, fill/seal cracks\$1,	8	Minor Reshape Annual Maintenance	\$2,080.02	
10Minor Reshape Annual Maintenance Total Cost:\$2,293.22 \$21,587.6611Atwell Hill Rd - 1 Defer maintenance5122.681783066Defer maintenance\$0.0012East Side Rd Ditch, fill/seal cracks\$9,413.514Ditch, fill/seal cracks\$9,413.519Ditch, fill/seal cracks\$10,897.329Ditch, fill/seal cracks\$13,908.051Minor Reshape Annual Maintenance\$1,611.332Minor Reshape Annual Maintenance\$1,611.331Minor Reshape Annual Maintenance\$1,691.893Minor Reshape Annual Maintenance\$1,865.315Minor Reshape Annual Maintenance\$1,958.586Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,267.3010Minor Reshape Annual Maintenance\$2,280.6710Minor Reshape Annual Maintenance\$2,499.7014Lookaway Ln\$1,418.909Ditch, fill/seal cracks\$1,91.469Ditch, fill/seal cracks\$1,901.469Ditch, fill/seal cracks\$1,91.4169Ditch, fill/seal cracks	9	Minor Reshape Annual Maintenance	\$2,184.02	
Total Cost:\$21,587.6611Atwell Hill Rd - 15122.681783066Defer maintenance\$0.007Total Cost:\$0.0012East Side Rd13792.69220061Ditch, fill/seal cracks\$9,413.514Ditch, fill/seal cracks\$10,897.329Ditch, fill/seal cracks\$13,908.05Total Cost:\$34,218.8813Nichols Hill Rd5115.327389011Minor Reshape Annual Maintenance\$1,611.332Minor Reshape Annual Maintenance\$1,865.313Minor Reshape Annual Maintenance\$1,865.315Minor Reshape Annual Maintenance\$1,865.315Minor Reshape Annual Maintenance\$2,267.304Minor Reshape Annual Maintenance\$2,267.305Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,2499.707Minor Reshape Annual Maintenance\$2,499.707Total Cost:\$20,267.1114Lookaway Ln\$1,411.809Ditch, fill/seal cracks\$1,411.809Ditch, fill/seal cracks\$1,411.809Ditch, fill/seal cracks\$1,411.809Ditch, fill/seal cracks\$1,411.809Ditch, fill/seal cracks\$1,411.809Ditch, fill/seal cracks\$1,411.809Ditch, fill/seal cracks\$1,901.467Total Cost:\$3,320.37	10	Minor Reshape Annual Maintenance	\$2,293.22	
11 6Atwell Hill Rd - 1 Defer maintenance5122.6817830612East Side Rd\$0.0011 4Ditch, fill/seal cracks\$9,413.51 \$10,897.329 9Ditch, fill/seal cracks\$13,908.05 \$133,908.0513 1Nichols Hill Rd\$115.327389011 1Minor Reshape Annual Maintenance\$1,611.33 \$1,776.492 3 4 3Minor Reshape Annual Maintenance\$1,865.31 \$1,958.583 6 6 			Total Cost: \$21,587.66	
6Defer maintenance\$0.0012East Side Rd13792.69220061Ditch, fill/seal cracks\$9,413.514Ditch, fill/seal cracks\$10,897.329Ditch, fill/seal cracks\$13,908.0510Total Cost:\$34,218.8813Nichols Hill Rd\$115.327389011Minor Reshape Annual Maintenance\$1,611.332Minor Reshape Annual Maintenance\$1,691.893Minor Reshape Annual Maintenance\$1,691.893Minor Reshape Annual Maintenance\$1,958.586Minor Reshape Annual Maintenance\$2,2056.517Minor Reshape Annual Maintenance\$2,2056.517Minor Reshape Annual Maintenance\$2,2056.518Minor Reshape Annual Maintenance\$2,2056.519Minor Reshape Annual Maintenance\$2,207.309Minor Reshape Annual Maintenance\$2,207.309Minor Reshape Annual Maintenance\$2,207.309Minor Reshape Annual Maintenance\$2,207.1114Lookaway Ln\$1,418.903Ditch, fill/seal cracks\$1,418.909Ditch, fill/seal cracks\$1,418.909Ditch, fill/seal cracks\$1,418.909Ditch, fill/seal cracks\$1,418.909Ditch, fill/seal cracks\$1,901.4614Lookaway Ln\$1,901.463Ditch, fill/seal cracks\$1,901.465Total Cost:\$3,320.37	11	Atwell Hill Rd - 1		5122.68178306
12East Side Rd13792.69220061Ditch, fill/seal cracks\$9,413.514Ditch, fill/seal cracks\$10,897.329Ditch, fill/seal cracks\$13,908.057Total Cost:\$34,218.8813Nichols Hill Rd5115.327389011Minor Reshape Annual Maintenance\$1,611.332Minor Reshape Annual Maintenance\$1,611.833Minor Reshape Annual Maintenance\$1,618.893Minor Reshape Annual Maintenance\$1,691.894Minor Reshape Annual Maintenance\$1,958.586Minor Reshape Annual Maintenance\$2,056.517Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,267.1114Lookaway Ln1885.693592443Ditch, fill/seal cracks\$1,901.469Ditch, fill/seal cracks\$1,901.469Ditch, fill/seal cracks\$1,901.469Ditch, fill/seal cracks\$1,901.469Ditch, fill/seal cracks\$1,901.469Ditch, fill/seal cracks\$1,901.469Ditch, fill/seal cracks\$1,901.46<	6	Defer maintenance	\$0.00	
12East Side Rd13792.69220061Ditch, fill/seal cracks\$9,413.514Ditch, fill/seal cracks\$10,897.329Ditch, fill/seal cracks\$13,908.0513Nichols Hill Rd5115.327389011Minor Reshape Annual Maintenance\$1,611.332Minor Reshape Annual Maintenance\$1,691.893Minor Reshape Annual Maintenance\$1,776.494Minor Reshape Annual Maintenance\$1,865.315Minor Reshape Annual Maintenance\$1,958.586Minor Reshape Annual Maintenance\$2,056.517Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,280.6710Minor Reshape Annual Maintenance\$2,280.671114Lookaway Ln\$1,4118.903Ditch, fill/seal cracks\$1,4118.909Ditch, fill/seal cracks\$1,4118.909Ditch, fill/seal cracks\$1,901.4610Ditch, fill/seal cracks\$1,901.4610Ditch, fill/seal cracks\$1,901.4610Ditch, fill/seal cracks\$1,901.46114Lookaway Ln <td></td> <td></td> <td>Total Cost: \$0.00</td> <td></td>			Total Cost: \$0.00	
1Ditch, fill/seal cracks\$9,413.514Ditch, fill/seal cracks\$10,897.329Ditch, fill/seal cracks\$13,908.057Total Cost:\$34,218.8813Nichols Hill Rd5115.327389011Minor Reshape Annual Maintenance\$1,611.332Minor Reshape Annual Maintenance\$1,691.893Minor Reshape Annual Maintenance\$1,776.494Minor Reshape Annual Maintenance\$1,865.315Minor Reshape Annual Maintenance\$1,958.586Minor Reshape Annual Maintenance\$2,056.517Minor Reshape Annual Maintenance\$2,207.309Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,2499.7010Minor Reshape Annual Maintenance\$2,2499.7014Lookaway Ln\$1,418.903Ditch, fill/seal cracks\$1,901.469Ditch, fill/seal cracks\$1,901.469Ditch, fill/seal cracks\$1,901.4614Lookaway Ln\$1,901.463Ditch, fill/seal cracks\$1,901.469Ditch, fill/seal cracks\$1,901.4614Lookaway Ln\$1,901.463Ditch, fill/seal cracks\$1,901.465Total Cost:\$3,320.37	12	East Side Rd		13792.6922006
4Ditch, fill/seal cracks\$10,897.329Ditch, fill/seal cracks\$13,908.0513Nichols Hill Rd5115.327389011Minor Reshape Annual Maintenance\$1,611.332Minor Reshape Annual Maintenance\$1,691.893Minor Reshape Annual Maintenance\$1,691.894Minor Reshape Annual Maintenance\$1,865.315Minor Reshape Annual Maintenance\$1,958.586Minor Reshape Annual Maintenance\$2,056.517Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,2499.7010Minor Reshape Annual Maintenance\$2,499.7014Lookaway Ln\$1,418.903Ditch, fill/seal cracks\$1,418.909Ditch, fill/seal cracks\$1,901.469Ditch, fill/seal cracks\$1,901.4614Lookaway Ln\$1,901.463Ditch, fill/seal cracks\$1,901.464Ditch, fill/seal cracks\$1,901.465Sa,320.37\$1,901.46	1	Ditch, fill/seal cracks	\$9,413.51	
9Ditch, fill/seal cracks\$13,908.05Total Cost:\$34,218.8813Nichols Hill Rd5115.327389011Minor Reshape Annual Maintenance\$1,611.332Minor Reshape Annual Maintenance\$1,691.893Minor Reshape Annual Maintenance\$1,776.494Minor Reshape Annual Maintenance\$1,958.586Minor Reshape Annual Maintenance\$2,056.517Minor Reshape Annual Maintenance\$2,2159.338Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,2499.7010Minor Reshape Annual Maintenance\$2,2499.7010Minor Reshape Annual Maintenance\$2,499.7011Lookaway Ln\$1885.693592443Ditch, fill/seal cracks\$1,418.909Ditch, fill/seal cracks\$1,901.467Total Cost:\$3,320.37	4	Ditch, fill/seal cracks	\$10,897.32	
13Nichols Hill Rd5115.327389011Minor Reshape Annual Maintenance\$1,611.332Minor Reshape Annual Maintenance\$1,691.893Minor Reshape Annual Maintenance\$1,776.494Minor Reshape Annual Maintenance\$1,865.315Minor Reshape Annual Maintenance\$1,958.586Minor Reshape Annual Maintenance\$2,056.517Minor Reshape Annual Maintenance\$2,056.517Minor Reshape Annual Maintenance\$2,267.308Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,380.6710Minor Reshape Annual Maintenance\$2,499.7010Minor Reshape Annual Maintenance\$2,499.7010Minor Reshape Annual Maintenance\$2,499.7011Lookaway Ln\$1,418.903Ditch, fill/seal cracks\$1,901.469Ditch, fill/seal cracks\$1,901.4614Lookaway Ln\$1,901.463Ditch, fill/seal cracks\$1,901.469Ditch, fill/seal cracks\$1,901.4614Lookaway Ln\$1,901.4615Total Cost:\$3,320.37	9	Ditch, fill/seal cracks	\$13,908.05	
13Nichols Hill Rd5115.327389011Minor Reshape Annual Maintenance\$1,611.332Minor Reshape Annual Maintenance\$1,691.893Minor Reshape Annual Maintenance\$1,776.494Minor Reshape Annual Maintenance\$1,865.315Minor Reshape Annual Maintenance\$1,958.586Minor Reshape Annual Maintenance\$2,056.517Minor Reshape Annual Maintenance\$2,2056.517Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,2499.7010Minor Reshape Annual Maintenance\$2,2499.7010Minor Reshape Annual Maintenance\$2,499.7014Lookaway Ln\$14,418.903Ditch, fill/seal cracks\$1,418.909Ditch, fill/seal cracks\$1,901.467Total Cost:\$3,320.37			10tal COSt. \$54,210.00	
1Minor Reshape Annual Maintenance\$1,611.332Minor Reshape Annual Maintenance\$1,691.893Minor Reshape Annual Maintenance\$1,776.494Minor Reshape Annual Maintenance\$1,865.315Minor Reshape Annual Maintenance\$1,958.586Minor Reshape Annual Maintenance\$2,056.517Minor Reshape Annual Maintenance\$2,267.308Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,267.1114Lookaway Ln\$1,418.903Ditch, fill/seal cracks\$1,418.909Ditch, fill/seal cracks\$1,901.467Total Cost:\$3,320.37	13	Nichols Hill Rd		5115.32738901
2Minor Reshape Annual Maintenance\$1,691.893Minor Reshape Annual Maintenance\$1,776.494Minor Reshape Annual Maintenance\$1,865.315Minor Reshape Annual Maintenance\$1,958.586Minor Reshape Annual Maintenance\$2,056.517Minor Reshape Annual Maintenance\$2,267.308Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,267.1114Lookaway Ln\$2,499.703Ditch, fill/seal cracks\$1,418.909Ditch, fill/seal cracks\$1,901.467Total Cost:\$3,320.37	1	Minor Reshape Annual Maintenance	\$1,611.33	
3Minor Reshape Annual Maintenance\$1,770.494Minor Reshape Annual Maintenance\$1,865.315Minor Reshape Annual Maintenance\$1,958.586Minor Reshape Annual Maintenance\$2,056.517Minor Reshape Annual Maintenance\$2,159.338Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,2056.5110Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,267.1114Lookaway Ln\$20,267.113Ditch, fill/seal cracks\$1,418.909Ditch, fill/seal cracks\$1,901.467Total Cost:\$3,320.37	2	Minor Resnape Annual Maintenance	\$1,691.89 \$1,776.40	
1Initial Maintonialio\$1,958.585Minor Reshape Annual Maintenance\$1,958.586Minor Reshape Annual Maintenance\$2,056.517Minor Reshape Annual Maintenance\$2,159.338Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,380.6710Minor Reshape Annual Maintenance\$2,499.7010Minor Reshape Annual Maintenance\$2,499.7011Lookaway Ln\$20,267.1112Lookaway Ln\$1,418.903Ditch, fill/seal cracks\$1,91.469Ditch, fill/seal cracks\$1,901.4614Total Cost:\$3,320.37	3 4	Minor Reshape Annual Maintenance	\$1,770.49	
6Minor Reshape Annual Maintenance\$2,056.517Minor Reshape Annual Maintenance\$2,159.338Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,380.6710Minor Reshape Annual Maintenance\$2,499.7010Minor Reshape Annual Maintenance\$2,249.7011Lookaway Ln\$2,267.113Ditch, fill/seal cracks\$1,418.909Ditch, fill/seal cracks\$1,901.4610Total Cost:\$3,320.37	5	Minor Reshape Annual Maintenance	\$1.958.58	
7Minor Reshape Annual Maintenance\$2,159.338Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,380.6710Minor Reshape Annual Maintenance\$2,499.7010Minor Reshape Annual Maintenance\$2,267.1114Lookaway Ln\$20,267.113Ditch, fill/seal cracks\$1,418.909Ditch, fill/seal cracks\$1,901.46Total Cost:\$3,320.37	6	Minor Reshape Annual Maintenance	\$2,056.51	
8Minor Reshape Annual Maintenance\$2,267.309Minor Reshape Annual Maintenance\$2,380.6710Minor Reshape Annual Maintenance\$2,499.7010Total Cost:\$20,267.1114Lookaway Ln1885.693592443Ditch, fill/seal cracks\$1,418.909Ditch, fill/seal cracks\$1,901.461Total Cost:\$3,320.37	7	Minor Reshape Annual Maintenance	\$2,159.33	
9 Minor Reshape Annual Maintenance \$2,380.67 10 Minor Reshape Annual Maintenance \$2,499.70 10 Total Cost: \$20,267.11 14 Lookaway Ln 1885.69359244 3 Ditch, fill/seal cracks \$1,418.90 9 Ditch, fill/seal cracks \$1,901.46 Total Cost: Total Cost:	8	Minor Reshape Annual Maintenance	\$2,267.30	
IO Wilnor Resnape Annual Maintenance \$2,499.70 IO Total Cost: \$20,267.11 IA Lookaway Ln 1885.69359244 3 Ditch, fill/seal cracks \$1,418.90 9 Ditch, fill/seal cracks \$1,901.46 Total Cost: \$3,320.37	9	Minor Reshape Annual Maintenance	\$2,380.67	
14 Lookaway Ln 1885.69359244 3 Ditch, fill/seal cracks \$1,418.90 9 Ditch, fill/seal cracks \$1,901.46 Total Cost: \$3,320.37	10	winor Resnape Annual Maintenance	\$2,499.70 Total Cost: \$20 267 11	
14 Lookaway Ln 1885.69359244 3 Ditch, fill/seal cracks \$1,418.90 9 Ditch, fill/seal cracks \$1,901.46 Total Cost: \$3,320.37			ψευ,207.11	
9 Ditch, fill/seal cracks \$1,410.30 9 Ditch, fill/seal cracks \$1,901.46 Total Cost: \$3,320.37	14	Lookaway Ln	¢4 440 00	1885.69359244
Total Cost: \$3,320.37	9	Ditch fill/seal cracks	\$1,418.90 \$1 901 46	
	Ŭ		Total Cost: \$3,320.37	

15	Auguste Rd		2625.38273048
1	Minor Reshape Annual Maintenance	\$992.39	
2	Minor Reshape Annual Maintenance	\$1,042.01	
3	Minor Reshape Annual Maintenance	\$1,094.12	
4	Minor Reshape Annual Maintenance	\$1,148.82	
5	Minor Reshape Annual Maintenance	\$1,206.26	
6	Minor Reshape Annual Maintenance	\$1,266.58	
7	Minor Reshape Annual Maintenance	\$1,329.90	
8	Minor Reshape Annual Maintenance	\$1,396.40	
9	Minor Reshape Annual Maintenance	\$1,466.22	
10	Minor Reshape Annual Maintenance	\$1,539.53	
		Total Cost: \$12,482.23	
16	Rowentown Rd		11705.1331866
1	Minor Reshape Annual Maintenance	\$2,949,69	
2	Minor Reshape Annual Maintenance	\$3,097,18	
3	Regrade Gravel	\$8 672 10	
4	Minor Reshape Annual Maintenance	\$3 414 64	
5	Minor Reshape Annual Maintenance	\$3 585 37	
6	Minor Reshape Annual Maintenance	\$3 764 64	
7	Minor Reshape Annual Maintenance	\$3 952 87	
8	Minor Reshape Annual Maintenance	\$4 150 52	
9	Regrade Gravel	\$11 621 44	
10	Minor Reshape Annual Maintenance	\$4 575 94	
10	Miller Reonape / Andar Maintenance	Total Cost: \$49,784.39	
17	Vik Mountain Rd		3424 01716244
17	VIk Mountain Rd	\$862.85	3424.01716244
17 1 2	VIk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$862.85 \$905.99	3424.01716244
17 1 2 3	VIk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$862.85 \$905.99 \$95.1.29	3424.01716244
17 1 2 3 4	VIk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$862.85 \$905.99 \$951.29 \$998.86	3424.01716244
17 1 2 3 4 5	VIk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Regrade Gravel	\$862.85 \$905.99 \$951.29 \$998.86 \$2 796 81	3424.01716244
17 1 2 3 4 5 6	VIk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Regrade Gravel Minor Reshape Annual Maintenance	\$862.85 \$905.99 \$951.29 \$998.86 \$2,796.81 \$1 101 24	3424.01716244
17 1 2 3 4 5 6 7	Vlk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Regrade Gravel Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$862.85 \$905.99 \$951.29 \$998.86 \$2,796.81 \$1,101.24 \$1 156 30	3424.01716244
17 1 2 3 4 5 6 7 8	Vlk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Regrade Gravel Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$862.85 \$905.99 \$951.29 \$998.86 \$2,796.81 \$1,101.24 \$1,156.30 \$1,214.12	3424.01716244
17 1 2 3 4 5 6 7 8 9	Vlk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Regrade Gravel Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$862.85 \$905.99 \$951.29 \$998.86 \$2,796.81 \$1,101.24 \$1,156.30 \$1,214.12 \$1 274.83	3424.01716244
17 1 2 3 4 5 6 7 8 9 10	Vlk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$862.85 \$905.99 \$951.29 \$998.86 \$2,796.81 \$1,101.24 \$1,156.30 \$1,214.12 \$1,274.83 \$1,338.57	3424.01716244
17 2 3 4 5 6 7 8 9 10	Vlk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Regrade Gravel Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$862.85 \$905.99 \$951.29 \$998.86 \$2,796.81 \$1,101.24 \$1,156.30 \$1,214.12 \$1,274.83 \$1,338.57 Total Cost: \$12,600.87	3424.01716244
17 1 2 3 4 5 6 7 8 9 10 18	VIk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Regrade Gravel Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$862.85 \$905.99 \$951.29 \$998.86 \$2,796.81 \$1,101.24 \$1,156.30 \$1,214.12 \$1,274.83 \$1,338.57 Total Cost: \$12,600.87	3424.01716244
17 1 2 3 4 5 6 7 8 9 10 18 1	VIk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Regrade Gravel Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$862.85 \$905.99 \$9951.29 \$998.86 \$2,796.81 \$1,101.24 \$1,156.30 \$1,214.12 \$1,274.83 \$1,338.57 Total Cost: \$12,600.87	3424.01716244 2278.03706174
17 1 2 3 4 5 6 7 8 9 10 18 1 2	Vlk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$862.85 \$905.99 \$951.29 \$998.86 \$2,796.81 \$1,101.24 \$1,156.30 \$1,214.12 \$1,274.83 \$1,338.57 Total Cost: \$861.10 \$861.10	3424.01716244 2278.03706174
17 1 2 3 4 5 6 7 8 9 10 18 1 2 3	Vlk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$862.85 \$905.99 \$951.29 \$998.86 \$2,796.81 \$1,101.24 \$1,156.30 \$1,214.12 \$1,274.83 \$1,338.57 Total Cost: \$861.10 \$904.15 \$04.15	3424.01716244 2278.03706174
17 1 2 3 4 5 6 7 8 9 10 18 1 2 3 4	 VIk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Regrade Gravel Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 	\$862.85 \$905.99 \$951.29 \$998.86 \$2,796.81 \$1,101.24 \$1,156.30 \$1,214.12 \$1,274.83 \$1,338.57 Total Cost: \$861.10 \$904.15 \$949.36 \$904.36	3424.01716244 2278.03706174
17 1 2 3 4 5 6 7 8 9 10 18 1 2 3 4 5	 VIk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Regrade Gravel Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 	\$862.85 \$905.99 \$951.29 \$998.86 \$2,796.81 \$1,101.24 \$1,156.30 \$1,214.12 \$1,274.83 \$1,338.57 Total Cost: \$861.10 \$904.15 \$949.36 \$996.83 \$1.06.67	3424.01716244 2278.03706174
17 1 2 3 4 5 6 7 8 9 10 18 1 2 3 4 5 6 7 8 9 10 18 1 2 3 4 5 6 7 8 9 10 1 5 6 7 8 9 10 1 5 6 7 8 9 10 1 5 6 7 8 9 10 1 5 6 7 8 9 10 1 5 6 7 8 9 10 1 5 6 7 8 9 10 1 5 6 7 8 9 10 1 5 1 1 1 1 1 1 1 1	 VIk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Regrade Gravel Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 	\$862.85 \$905.99 \$951.29 \$998.86 \$2,796.81 \$1,101.24 \$1,156.30 \$1,214.12 \$1,274.83 \$1,338.57 Total Cost: \$861.10 \$904.15 \$949.36 \$996.83 \$1,046.67 \$1,040.00	3424.01716244 2278.03706174
17 1 2 3 4 5 6 7 8 9 10 18 1 2 3 4 5 6 7 8 9 10 18 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 5 6 7 8 9 10 1 5 6 7 8 9 10 1 5 6 7 8 9 10 1 5 6 7 8 9 10 1 5 1 1 1 1 1 1 1 1	 VIk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Regrade Gravel Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Zoe Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 	\$862.85 \$905.99 \$951.29 \$998.86 \$2,796.81 \$1,101.24 \$1,156.30 \$1,214.12 \$1,274.83 \$1,338.57 Total Cost: \$861.10 \$904.15 \$949.36 \$996.83 \$1,046.67 \$1,099.00 \$14.15.25	3424.01716244 2278.03706174
17 1 2 3 4 5 6 7 8 9 10 18 1 2 3 4 5 6 7 8 9 10 18 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 10 1 10 1 10 1 10 1 1 10 1 1 1 1 1 1 1 1	 VIk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Regrade Gravel Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Zoe Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 	\$862.85 \$905.99 \$951.29 \$998.86 \$2,796.81 \$1,101.24 \$1,156.30 \$1,214.12 \$1,274.83 \$1,338.57 Total Cost: \$861.10 \$904.15 \$949.36 \$996.83 \$1,046.67 \$1,099.00 \$1,153.95	3424.01716244 2278.03706174
17 1 2 3 4 5 6 7 8 9 10 18 1 2 3 4 5 6 7 8 9 10 18 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 10 1 10 1 10 1 10 1 10 1 10 1 10 1 10 1 1 10 1 1 1 1 1 1 1 1	 VIk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Regrade Gravel Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Zoe Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 	\$862.85 \$905.99 \$951.29 \$998.86 \$2,796.81 \$1,101.24 \$1,156.30 \$1,214.12 \$1,274.83 \$1,338.57 Total Cost: \$861.10 \$904.15 \$949.36 \$996.83 \$1,046.67 \$1,099.00 \$1,153.95 \$1,211.65	3424.01716244 2278.03706174
17 1 2 3 4 5 6 7 8 9 10 18 1 2 3 4 5 6 7 8 9 10 18 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 10 1 10 1 10 1 10 1 10 1 10 1 10 1 10 1 10 1 10 1 10 1 10 1 10 1 10 1 10 1 10 1 1 10 1 1 1 1 1 1 1 1	 VIk Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Regrade Gravel Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 	\$862.85 \$905.99 \$951.29 \$998.86 \$2,796.81 \$1,101.24 \$1,156.30 \$1,214.12 \$1,274.83 \$1,338.57 Total Cost: \$861.10 \$904.15 \$949.36 \$996.83 \$1,046.67 \$1,099.00 \$1,153.95 \$1,211.65 \$1,272.23 \$1,272.23	3424.01716244 2278.03706174

19	Dufour Rd		1269.79611517
1	Minor Reshape Annual Maintenance	\$239.99	
2	Minor Reshape Annual Maintenance	\$251.99	
3	Minor Reshape Annual Maintenance	\$264.59	
4	Minor Reshape Annual Maintenance	\$277.82	
5	Minor Reshape Annual Maintenance	\$291.71	
6	Minor Reshape Annual Maintenance	\$306.30	
7	Minor Reshape Annual Maintenance	\$321.61	
8	Minor Reshape Annual Maintenance	\$337.60	
0	Minor Poshape Annual Maintenance	\$357.09 \$254.59	
9 10	Minor Poshape Annual Maintenance	ψου 1 .ου Φοτο οι	
10	Minor Resnape Annual Maintenance	Total Cost: \$3 018 59	
20	Evans Rd		869.531079679
1	Minor Reshape Annual Maintenance	\$219.12	
2	Minor Reshape Annual Maintenance	\$230.08	
3	Minor Reshape Annual Maintenance	\$241.58	
4	Minor Reshape Annual Maintenance	\$253.66	
5	Minor Reshape Annual Maintenance	\$266.34	
6	Minor Reshape Annual Maintenance	\$279.66	
7	Minor Reshape Annual Maintenance	\$293.64	
8	Minor Reshape Annual Maintenance	\$308.33	
9	Minor Reshape Annual Maintenance	\$323.74	
10	Minor Reshape Annual Maintenance	\$339.93	
10	Miner Reenape / Annual Maintenanee	Total Cost: \$2 756 09	
		· • • • • • • • • • • • • • • • • • • •	
21	Thayer Mountain Rd		3711.70370415
21	Thayer Mountain Rd Minor Reshape Annual Maintenance	\$1,169.19	3711.70370415
21 1 2	Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$1,169.19 \$1,227.65	3711.70370415
21 1 2 3	Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$1,169.19 \$1,227.65 \$1,289.03	3711.70370415
21 1 2 3 4	Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48	3711.70370415
21 1 2 3 4 5	Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15	3711.70370415
21 1 2 3 4 5 6	Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15 \$1,492.21	3711.70370415
21 1 2 3 4 5 6 7	Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15 \$1,492.21 \$1,566.82	3711.70370415
21 1 2 3 4 5 6 7 8	Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15 \$1,492.21 \$1,566.82 \$1,645.16	3711.70370415
21 1 2 3 4 5 6 7 8 9	Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15 \$1,492.21 \$1,566.82 \$1,645.16 \$1,727.42	3711.70370415
21 1 2 3 4 5 6 7 8 9 10	Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15 \$1,492.21 \$1,566.82 \$1,645.16 \$1,727.42 \$1,813.79	3711.70370415
21 1 2 3 4 5 6 7 8 9 10	Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15 \$1,492.21 \$1,566.82 \$1,645.16 \$1,727.42 \$1,813.79 Total Cost: \$14,705.90	3711.70370415
21 1 2 3 4 5 6 7 8 9 10 22	Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15 \$1,492.21 \$1,566.82 \$1,645.16 \$1,727.42 \$1,813.79 Total Cost: \$14,705.90	3711.70370415
21 1 2 3 4 5 6 7 8 9 10 22 1	 Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15 \$1,492.21 \$1,566.82 \$1,645.16 \$1,727.42 \$1,813.79 Total Cost: \$14,705.90	3711.70370415 3645.91197858
21 1 2 3 4 5 6 7 8 9 10 22 1 2	 Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15 \$1,492.21 \$1,566.82 \$1,645.16 \$1,727.42 \$1,813.79 Total Cost: \$14,705.90 \$918.77 \$964.71	3711.70370415 3645.91197858
21 1 2 3 4 5 6 7 8 9 10 22 1 2 3	 Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15 \$1,492.21 \$1,566.82 \$1,645.16 \$1,727.42 \$1,813.79 Total Cost: \$918.77 \$964.71 \$1,012.94	3711.70370415 3645.91197858
21 1 2 3 4 5 6 7 8 9 10 22 1 2 3 4	 Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Cross Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15 \$1,492.21 \$1,566.82 \$1,645.16 \$1,727.42 \$1,813.79 Total Cost: \$918.77 \$964.71 \$1,012.94 \$1.063.59	3711.70370415 3645.91197858
21 1 2 3 4 5 6 7 8 9 10 22 1 2 3 4 5	 Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Cross Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15 \$1,492.21 \$1,566.82 \$1,645.16 \$1,727.42 \$1,813.79 Total Cost: \$918.77 \$964.71 \$1,012.94 \$1,063.59 \$1 116 77	3711.70370415 3645.91197858
21 1 2 3 4 5 6 7 8 9 10 22 1 2 3 4 5 6	 Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15 \$1,492.21 \$1,566.82 \$1,645.16 \$1,727.42 \$1,813.79 Total Cost: \$918.77 \$964.71 \$1,012.94 \$1,063.59 \$1,116.77 \$1,172.61	3711.70370415 3645.91197858
21 1 2 3 4 5 6 7 8 9 10 22 1 2 3 4 5 6 7 8 9 10 22 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10 10 10 10 10 10 10 10 10 10	 Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15 \$1,492.21 \$1,566.82 \$1,645.16 \$1,727.42 \$1,813.79 Total Cost: \$918.77 \$964.71 \$1,012.94 \$1,063.59 \$1,116.77 \$1,172.61	3711.70370415 3645.91197858
21 1 2 3 4 5 6 7 8 9 10 22 1 2 3 4 5 6 7 8 9 10 22 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10 10 10 10 10 10 10 10 10 10	 Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Cross Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15 \$1,492.21 \$1,566.82 \$1,645.16 \$1,727.42 \$1,813.79 Total Cost: \$918.77 \$964.71 \$1,012.94 \$1,063.59 \$1,116.77 \$1,172.61 \$1,231.24 \$2,447.47	3711.70370415 3645.91197858
21 1 2 3 4 5 6 7 8 9 10 22 1 2 3 4 5 6 7 8 9 10 22 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10 10 10 10 10 10 10 10 10 10	 Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15 \$1,492.21 \$1,566.82 \$1,645.16 \$1,727.42 \$1,813.79 Total Cost: \$918.77 \$964.71 \$1,012.94 \$1,063.59 \$1,116.77 \$1,172.61 \$1,231.24 \$3,447.47	3711.70370415 3645.91197858
21 1 2 3 4 5 6 7 8 9 10 22 1 2 3 4 5 6 7 8 9 10 22 1 2 3 4 5 6 7 8 9 10 22 1 2 3 4 5 6 7 8 9 10 2 10 2 10 10 10 10 10 10 10 10 10 10	 Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15 \$1,492.21 \$1,566.82 \$1,645.16 \$1,727.42 \$1,813.79 Total Cost: \$918.77 \$964.71 \$1,012.94 \$1,063.59 \$1,116.77 \$1,172.61 \$1,231.24 \$3,447.47	3711.70370415 3645.91197858
21 1 2 3 4 5 6 7 8 9 10 22 1 2 3 4 5 6 7 8 9 10 22 1 2 3 4 5 6 7 8 9 10 21 3 4 5 6 7 8 9 10 21 3 4 5 6 7 8 9 10 10 10 10 10 10 10 10 10 10	 Thayer Mountain Rd Minor Reshape Annual Maintenance Minor Reshape Annual Maintenance 	\$1,169.19 \$1,227.65 \$1,289.03 \$1,353.48 \$1,421.15 \$1,492.21 \$1,566.82 \$1,645.16 \$1,727.42 \$1,813.79 Total Cost: \$918.77 \$964.71 \$1,012.94 \$1,063.59 \$1,116.77 \$1,172.61 \$1,231.24 \$3,447.47 \$1,357.44 \$1,425.31	3711.70370415 3645.91197858

23	Hilltop Rd		1650.52816165
1	Minor Reshape Annual Maintenance	\$311.95	
2	Minor Reshape Annual Maintenance	\$327.55	
3	Minor Reshape Annual Maintenance	\$343.92	
4	Minor Reshape Annual Maintenance	\$361.12	
5	Regrade Gravel	\$1,011.14	
6	Minor Reshape Annual Maintenance	\$398.14	
7	Minor Reshape Annual Maintenance	\$418.04	
8	Minor Reshape Annual Maintenance	\$438.94	
9	Minor Reshape Annual Maintenance	\$460.89	
10	Regrade Gravel	\$1,290.50	
		Total Cost: \$5,362.19	
24	Cheever Rd		6472.58828175
1	Minor Reshape Annual Maintenance	\$2,038.87	
2	Minor Reshape Annual Maintenance	\$2,140.81	
3	Minor Reshape Annual Maintenance	\$2,247.85	
4	Minor Reshape Annual Maintenance	\$2,360.24	
5	Minor Reshape Annual Maintenance	\$2,478.25	
6	Minor Reshape Annual Maintenance	\$2,602.17	
7	Minor Reshape Annual Maintenance	\$2,732.27	
8	Minor Reshape Annual Maintenance	\$2,868.89	
9	Minor Reshape Annual Maintenance	\$3,012.33	
10	Minor Reshape Annual Maintenance	\$3,162.95	
		Total Cost: \$25,644.63	
25	Browns Ln		950.351261513
3	Ditch, replace 6in base, 2in surface	\$19,252.63	
		Total Cost: \$19,252.63	
26	Camp Victory Rd		1105 24321911
1	Minor Reshane Annual Maintenance	\$278.52	1105.24521511
2	Minor Reshape Annual Maintenance	\$292.45	
3	Minor Reshape Annual Maintenance	\$307.07	
4	Minor Reshape Annual Maintenance	\$322.42	
5	Minor Reshape Annual Maintenance	\$338.54	
6	Minor Reshape Annual Maintenance	\$355.47	
7	Minor Reshape Annual Maintenance	\$373.25	
8	Minor Reshape Annual Maintenance	\$391.91	
9	Minor Reshape Annual Maintenance	\$411.50	
10	Minor Reshape Annual Maintenance	\$432.08	
		Total Cost: \$3,503.21	
27	Enbraim Page Rd		828 76322618
1	Minor Reshape Annual Maintenance	\$208.85	020.10022010
2	Minor Reshape Annual Maintenance	\$219.29	
3	Minor Reshape Annual Maintenance	\$230.26	
4	Minor Reshape Annual Maintenance	\$241.77	
5	Minor Reshape Annual Maintenance	\$253.86	
6	Minor Reshape Annual Maintenance	\$266.55	
7	Minor Reshape Annual Maintenance	\$279.88	
8	Minor Reshape Annual Maintenance	\$293.87	
9	Minor Reshape Annual Maintenance	\$308.56	
10	Minor Reshape Appual Maintenance	\$323.09	
		ψ0 <u>2</u> 0.00	

28	Frescoln Rd		5402.86458374
1	Minor Reshape Annual Maintenance	\$1,701.90	
2	Minor Reshape Annual Maintenance	\$1,787.00	
3	Minor Reshape Annual Maintenance	\$1,876.35	
4	Minor Reshape Annual Maintenance	\$1,970.16	
5	Minor Reshape Annual Maintenance	\$2,068.67	
6	Minor Reshape Annual Maintenance	\$2,172.11	
/	Minor Reshape Annual Maintenance	\$2,280.71	
8	Minor Reshape Annual Maintenance	φ2,394.75 Φ2 544.49	
9 10	Minor Reshape Annual Maintenance	\$2,514.40 \$2,640,21	
10	Minor Reshape Annual Maintenance	Total Cost: \$21,406.34	
29	Libbey Rd		1252,50896748
1	Minor Reshape Annual Maintenance	\$236.72	
2	Minor Reshape Annual Maintenance	\$248.56	
3	Minor Reshape Annual Maintenance	\$260.99	
4	Regrade Gravel	\$730.77	
5	Minor Reshape Annual Maintenance	\$287.74	
6	Minor Reshape Annual Maintenance	\$302.13	
7	Minor Reshape Annual Maintenance	\$317.23	
8	Minor Reshape Annual Maintenance	\$333.09	
9	Minor Reshape Annual Maintenance	\$349.75	
10	Minor Reshape Annual Maintenance	\$367.24	
		Total Cost: \$3,434.22	
30	Saunders Hill Rd - 1		571.4695944
5	Defer maintenance	\$0.00	
		Total Cost: \$0.00	
31	North Dorchester Rd - 1		8775.62567983
1	Fill/seal cracks	\$4.146.48	
6	Fill/seal cracks	\$5,292.08	
10	Fill/seal cracks	\$6,432.56	
		Total Cost: \$15,871.12	
32	North Dorchester Rd - 4		3368.73303856
4	Defer maintenance	\$0.00	
		Total Cost: \$0.00	
33	North Dorchester Rd - 3		3289.02686732
2	1.5in HMA overlay	\$21,178.99	
7	1.5in HMA overlay	\$27,030.36	
		Total Cost: \$48,209.36	
34	North Dorchester Rd - 2		2171.09004691
5	Hot Mix Patch	\$6,927.31	
		Total Cost: \$6,927.31	
35	Saunders Hill Rd - 2		2086.94075843
1	Minor Reshape Annual Maintenance	\$525.91	
2	Minor Reshape Annual Maintenance	\$552.20	
3	Minor Reshape Annual Maintenance	\$579.81	
4	Minor Reshape Annual Maintenance	\$608.81	
5	Minor Reshape Annual Maintenance	\$639.25	
6	Minor Reshape Annual Maintenance	\$671.21	
7	Minor Reshape Annual Maintenance	\$704.77	
8	Minor Reshape Annual Maintenance	\$740.01	
9	Winor Reshape Annual Maintenance	\$777.01	
10	winor Resnape Annual Maintenance	۵۵۱۵.۵۵ Total Cost: ۹۶ ۴۶ ۴۶	
		ψυ,014.00	

36	Atwell Hill Rd - 2			12775.6917451
1	Minor Reshape Annual Maintenance		\$3,219.47	
2	Minor Reshape Annual Maintenance		\$3,380.45	
3	Regrade Gravel		\$9,465.25	
4	Minor Reshape Annual Maintenance		\$3,726.94	
5	Minor Reshape Annual Maintenance		\$3,913.29	
6	Minor Reshape Annual Maintenance		\$4,108.96	
7	Regrade Gravel		\$11,505.08	
8	Minor Reshape Annual Maintenance		\$4,530.12	
9	Minor Reshape Annual Maintenance		\$4,756.63	
10	Regrade Gravel		\$13,318.56	
		Total Cost:	\$61,924.76	
37	Ellsworth Hill Rd - 2			6184.53683951
1	Minor Reshape Annual Maintenance		\$1,558.50	
2	Minor Reshape Annual Maintenance		\$1,636.43	
3	Minor Reshape Annual Maintenance		\$1,718.25	
4	Minor Reshape Annual Maintenance		\$1,804.16	
5	Minor Reshape Annual Maintenance		\$1,894.37	
6	Minor Reshape Annual Maintenance		\$1,989.09	
7	Minor Reshape Annual Maintenance		\$2,088.54	
8	Minor Reshape Annual Maintenance		\$2,192.97	
9	Minor Reshape Annual Maintenance		\$2,302.62	
10	Minor Reshape Annual Maintenance		\$2,417.75	
		Total Cost:	\$19,602.69	
38	Turner Rd - 1			2180.88743547
2	Ditch, fill/seal cracks		\$1,562.88	
5	Ditch, fill/seal cracks		\$1,809.23	
		Total Cost:	\$3,372.11	
39	Buffalo Rd - 2			5474.65421961
1	Minor Reshape Annual Maintenance		\$1,379.61	
2	Minor Reshape Annual Maintenance		\$1,448.59	
3	Minor Reshape Annual Maintenance		\$1,521.02	
4	Minor Reshape Annual Maintenance		\$1,597.07	
5	Minor Reshape Annual Maintenance		\$1,676.93	
6	Minor Reshape Annual Maintenance		\$1,760.77	
7	Regrade Gravel		\$4,930.17	
8	Minor Reshape Annual Maintenance		\$1,941.25	
9	Minor Reshape Annual Maintenance		\$2,038.32	
10	Minor Reshape Annual Maintenance		\$2,140.23	
		Total Cost:	\$20,433.98	