

Town of Greenfield, New Hampshire

Road Commission

Gravel Road Survey

for 2013

Preface

The Greenfield gravel road evaluation contained in this document is intended to provide a basis for assessing the condition and work to be performed on the Town's gravel roads. These assessments were completed during the summer of 2013 by the Greenfield Road Commission.

It is the Road Commission's intent that this material be used to provide a basis to prioritize future work and improvements on the gravel roads in Town.

Table of Contents

	Page
Preface	1
Table of Contents	2
Explanation of Road Assessment	3
Summary Chart of Road Assessment & Attributes	4
Summary of Findings	5
 Individual Road Assessment Sheets:	
Blanchard Hill Road	6
Brooks Drive	7
Cavender Road	8
Coach Road	9
Colonial Drive	10
Cornwell Road	11
County Road - A	12
County Road - B	13
Dodge Road - A	14
Dodge Road - B	15
Dunklee Hill Road	16
Etna Road	17
Fletcher Hill Road	18
Gulf Road - A	19
Gulf Road - B	20
Holden Road	21
Lakeview Circle	22
Miner Road	23
Muzzy Hill Road - A	24
Muzzy Hill Road - B	25
New Boston Road	26
Old Bennington Rd - A	27
Old Bennington Rd - B	28
Old Lyndeboro Mtn Road	29
Pine Ridge Road	30
Riverbend Road	31
School House Road	32
Slip Road	33
South Fracestown Road	34
Sunset Lake Road	35
Swamp Road	36
Thomas Road	37
Whitney Road	38
Woodland Hill Road	39
 Appendices:	
Appendix A - Attribute Rating Explanations	40
Appendix B - State Road Construction Guidelines	41
Appendix C - Town's Estimated Grading Costs	42
Appendix D - 2013 Road Commission Minutes	43

Explanation of Road Assessment

The Road Commission walked all the gravel roads in Town to perform the assessment contained in this report. Each road was assessed by a team of three to four members with the team agreeing on the rating for each road.

The rating scheme used a scale from Poor (1.0) to Fair (2.0) to Good (3.0). The rating of Poor represents a condition that is below standard and needs attention. A Fair rating is at an acceptable condition that still needs improvement. A Good rating is the condition is the desired condition. Ratings are provided for various attributes of road condition and an overall condition is determined by the average of the individual attributes for each road. The individual attributes are shown on the individual rating sheets for each road and described in Appendix A. The state road construction guidelines are shown in Appendix B. The Town developed estimate for “grading” costs are contained in Appendix C.

There are individual sheets for each gravel road that was assessed that includes ratings and comments. These sheets are in alphabetic order and page numbers shown on the index. There is a summary of ratings by road and a summary of attribute ratings that provides an overview of the condition of Town roads.

After our review of the gravel road conditions the Commission feels that there is significant amount of work required to have acceptable gravel roads.

Respectively Submitted,

Greenfield Road Commission

Thomas Bascom
Norman Nickerson
Gary Russell
Myron Steere, Chair

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission
Summary

Road Name	Surface	Pot Holes	Borders	Loose Material	Grading	Crowning	Ditches	Culverts	Drainage	Height of Road	Visibility	Material Quality	Sloping of Sides	Road Width	Other *	Usage	Average (1.0 - 3.0)
Blanchard Hill Road	F	P	P	F	P	P	P > F	G	F	F	F	F	n/a	16 ft		low	1.70
Brooks Drive	F	G	G	G	P	P	n/a	P	F	F	n/a	F	n/a	10 ft		low	2.11
Cavender Road	F	P	P	n/a	F	F	F > G	F	G	F	n/a	n/a	n/a	18 ft		low	1.58
Coach Road	F	G	G	n/a	P	P	n/a	P	n/a	n/a	G	F > G	n/a	16 ft		low	2.09
Colonial Drive	G	G	G	n/a	P	P	G	P	P	n/a	n/a	P	P	18 ft		low	1.71
Cornwell Road	F > G	G	G	G	F > G	F	G	F	G	F > P	P	F	n/a	18 ft		med	2.09
County Road - A	F > P	P	P	F	P	P	G > F	G	F	F	P	F	n/a	18 ft		med	2.42
County Road - B	P	P	P	n/a	P	P	P	G	F	F	F	n/a	n/a	12 ft		low	1.57
Dodge Road - A	P	P	P	F	P	P	P	F	F	P	F	n/a	n/a	12 ft		low	1.40
Dodge Road - B	P > F	P	P	F	P	P	P	F	F	F	P	n/a	n/a	12 ft		low	1.30
Dunklee Hill Road	F > G	F	F	F	P	P	P	G > F	F	F	F	P > F	n/a	12 ft		low	1.41
Etna Road	F	P	P	P	P	P	P	P	P	F	G	F	n/a	12 ft		low	1.83
Fletcher Hill Road	F	P	P	P	P	P	P	n/a	P	F > G	n/a	F	G	12 ft		low	1.41
Gulf Road - A	F	G	G	n/a	P	P	P	G	P > F	F	G	n/a	G	16 ft		low	1.80
Gulf Road - B	G	P	P	P	P	P	P	F	n/a	G	G	G	G	16 ft		med	2.25
Holden Road	F	P	P	n/a	P	P	P	G	P	F	F	F	n/a	12 to 16 ft		low	1.54
Lakeview Circle	P	P	P	F	P	P	P	G	F	F	P	F	n/a	14 ft		med	1.5
Miner Road	P > F	P	P	P	P	P	P	P	P	F	F	P	F	18 ft		med	1.34
Muzzy Hill Road - A	G > F	F	F	G	P	F > P	F	F	P	n/a	P	G > F	n/a	16 - 22 ft		low	1.77
Muzzy Hill Road - B	F	F	P	P	P	P	P	F	P	P	G	F	P	16 to 18 ft		low	1.46
New Boston Road	F	P	P	n/a	P	P	F	F	P	P	n/a	n/a	n/a	18 ft		high	1.22
Old Bennington Rd - A	F	G	G	G	F	P	G	F	G	F	n/a	F	n/a	25 ft	P	high	2.38
Old Bennington Rd - B	F	G	G	G	P	F	G	P	P	F	G	G	F	25 ft	P	high	2.13
Old Lyndeboro Mtn Road	F	P	P	n/a	P	P	P	F	P	F	n/a	F > G	n/a	12 ft		low	1.45
Pine Ridge Road	F	P	F	F	F > G	F	P	P	F > P	n/a	n/a	n/a	n/a	14 ft		low	1.66
Riverbend Road	P	P	F	n/a	P	P	n/a	F	n/a	n/a	n/a	n/a	n/a	14 ft		low	1.33
School House Road	F	P	F	n/a	P	P	P	n/a	P	P	G	F > G	n/a	16 ft		low	1.55
Slip Road	P	G	G	P	P	P	P	P	P	P	G	G	G	16 ft		med	1.76
South Francesstown Road	F	G	G	n/a	P	P	P	P	P	G > F	F	F	n/a	15 ft		med	1.77
Sunset Lake Road	G > F	G > F	F	G	P	P	P	P	P > F	F	G	G	n/a	12 to 15 ft		low	1.95
Swamp Road	F	F	G	n/a	P	P	P	F	F	P	P	n/a	n/a	18 ft		med	1.60
Thomas Road	F	P	P	F	P	P	P > F	n/a	F	F	F	F	n/a	16 ft		low	1.59
Whitney Road	F	P	G	G	P	P	P	n/a	P	F	G	P > F	n/a	16 ft		low	1.87
Woodland Hill Road	F	F	P	n/a	P	P	G	F	n/a	n/a	G	F > G	n/a	10 ft		low	1.81
Average Road																	1.72
Attributes Average	1.96	1.75	1.94	2.10	1.18	1.16	1.52	1.82	1.47	1.74	2.21	2.10	2.14				1.77

* "Other" included with individual road average, but not included in Attributes and Attribute Averages

Summary of Findings

Many of the problems below are not new. Some of these issues have been addressed to some degree from time to time but we feel that it is worthwhile to enumerate them in order to make sure that they are not forgotten or displaced by inevitable “squeaky wheel” issues:

1. Most culverts are unmarked and many appear to be unmaintained and possibly forgotten. In some cases culverts have been graded over or the blade has torn them. In other cases the “header” stones over older culverts have been dislodged and not repaired. A program of locating, clearly marking and reconditioning culverts is strongly suggested.
2. Grading quality and consistency is very uneven. “Windrows” of material border many roads holding water on the road and preventing proper drainage. This may be a result of “one pass” grading rather than making multiple passes to properly shape the crown and shoulders. The town grader may be too large for the roads – perhaps a smaller and more agile grader should be considered in the future. (On some roads there has clearly been recent work to improve the crown and shoulder and these roads are in much better shape.)
3. On many roads the windrows push up against and even cover the stone walls in an unsightly manner that is inconsistent with the towns designation of these roads as “scenic”.
4. Large stones and boulders can be found in many roads. Identifying and removing these stones may be more easily accomplished during grading if a second person were available to assist.
5. New material is rarely added when grading. As a result many roads are well below the desired grade leading to drainage issues and surface irregularities.
6. The grading schedule is highly irregular. Many busy roads are not graded at all for months at a time. Potholes and wash-boarding multiply until residents call to complain. Potholes become so deep that grading does not go deep enough to repair them and they reappear in a matter of days.
7. Brush clearing at intersections and between the roads and stone walls has been largely neglected for quite some time.

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/28/13 Traffic Volume/Usage: Low

Road Name: Blanchard Hill Road Road Section/Area: Entire Road

General Overall Condition: This section Poor to Fair
(completed as last item)

Characteristics:	G / F / P	Notes
Surface	F	
Pot Holes	P	
Boulders	P	
Loose Material	F	
Grading	P	
Crowning	P	
Ditches	P to F	
Culverts	G	1) 36 inch - clear
Drainage	F	
Under Drainage	n/a	
Height of Road	F	needs some work
Visability	F	
Quality of Material	F	
Sloping of Road Sides	n/a	
Road Width	n/a	16 Feet
Other	n/a	tared entrance good

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 8/18/13 **Traffic Volume/Usage:** Very Low

Road Name: Brooks Drive **Road Section/Area:** Entire Road

General Overall Condition:
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	F	
Pot Holes	G	except entry area
Boulders	G	
Loose Material	n/a	
Grading	G	
Crowning	P	
Ditches	n/a	
Culverts	P	1 only found one end other side maybe tied into other drains?
Drainage	F	road needs to be raised so water can run off
Under Drainage	n/a	
Height of Road	F	needs some work - see "Drainage"
Visibility	F	
Quality of Material	F	
Sloping of Road Sides	n/a	
Road Width	n/a	10 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/13/13 Traffic Volume/Usage: Low

Road Name: Cavender Road Road Section/Area: Entire Road

General Overall Condition: This section Poor to Fair
(completed as last item)

Characteristics:	G / F / P	Notes
Surface	F	
Pot Holes	F	numerous and water across road causing wash boarding
Boulders	G	
Loose Material	n/a	
Grading	F	to flat needs material
Crowning	P	needs crowning ... too flat
Ditches	P	none - needs more ditching
Culverts	F	from Riverbend Road - 1) ok - maybe better banks; 2) outlet needs to be cleaned; 4) outlet needs to be cleaned; 4) good; 5) good; 6) good; 7) good; 8) good; 9) good, but needs header repair; crowding would help - needs water outlets.
Drainage	F	10) two pipes too close together - middle partially crushed; 11) good.
Under Drainage	n/a	
Height of Road	P	needs material
Visibility	-	
Quality of Material	-	
Sloping of Road Sides	n/a	
Road Width	n/a	18 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/28/13 Traffic Volume/Usage: Low

Road Name: Coach Road Road Section/Area: Entire Road

General Overall Condition: This section Fair+D7
(completed as last item)

Characteristics:	G / F / P	Notes
Surface	F	
Pot Holes	P	many
Bolders	P	many
Loose Material	n/a	
Grading	F	"wing" rows on both sides prohibit drainage
Crowning	F	
Ditches	F to G	ditches cleared in some areas and get-aways to allow water off the road
Culverts	F	1) grate on high side cleaned, areas around need to be cleared; 2) good flow - clear 3) old metal culvert needs to be replaced - plugged.
Drainage	G	some washouts
Under Drainage	n/a	
Height of Road	F	
Visability	G	
Quality of Material	F to G	
Sloping of Road Sides	n/a	
Road Width	n/a	16 Feet
Other	n/a	stone wall pushed over into woods & covered by road material

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/13/13 **Traffic Volume/Usage:** Low

Road Name: Colonial Drive **Road Section/Area:** Entire Road

General Overall Condition: This section Poor to Fair
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	F	
Pot Holes	G	
Bolders	G	
Loose Material	n/a	needs material
Grading	P	
Crowning	P	needs material & crowning to better distribute water
Ditches	-	
Culverts	P	from Riverbend Road - 1) needs cleaning
Drainage	-	
Under Drainage	n/a	
Height of Road	-	
Visibility	-	
Quality of Material	P	
Sloping of Road Sides	n/a	
Road Width	n/a	16 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/20/13 **Traffic Volume/Usage:** medium

Road Name: Cornwell Road **Road Section/Area:** Entire Road

General Overall Condition: This section Good to Fair
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	G	
Pot Holes	G to F	some pot holes half way, lower end full
Boulders	G	few
Loose Material	n/a	
Grading	P	
Crowning	P	upper section poor & varies length of road
Ditches	P	Drain off ditches poor - "get aways" higher than ditches
Culverts	P	1) one third full; 2) two culverts one third full - standing water; 3) good shape; 4) good 15 inch; 5) half full
Drainage	P	poor drainage no side "get aways" & lack of maintenance
Under Drainage	n/a	
Height of Road	G	
Visibility	P	
Quality of Material	P	
Sloping of Road Sides	P	poor at end of road
Road Width	n/a	18 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/7/13 **Traffic Volume/Usage:** Medium

Road Name: County Road - A **Road Section/Area:** Forest Rd to Muzzy Hill Rd - A

General Overall Condition: This section Fair to Good
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	F to G	
Pot Holes	G	a few
Boulders	G	none
Loose Material	G	
Grading	F to G	
Crowning	F	water flows across road in some areas
Ditches	G	but needs to be maintained - filling with material
Culverts	F	not maintained or in need of repair
Drainage	G	need more "get aways for drainage
Under Drainage	n/a	
Height of Road	F to P	needs to be raised in some areas
Visibility	P	onto Forest Road
Quality of Material	F	
Sloping of Road Sides	n/a	
Road Width	n/a	17 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/7/13 **Traffic Volume/Usage:** Medium

Road Name: County Road - B **Road Section/Area:** Muzzy Hill Rd to Old Bennington Rd - B

General Overall Condition: This section Fair to Good
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	F to P	some F-G, other areas poor
Pot Holes	P	a lot
Bolders	F	
Loose Material	F	
Grading	P	inconsistent
Crowning	P	
Ditches	G to F	some areas already filling, not allowing water flow, incomplete in som areas.
Culverts	P	not maintained - no flow or in need of repair
Drainage	F	erosion in center of road and drainage paths in road
Under Drainage	n/a	
Height of Road	F	needs to be raised in some areas
Visability	P	onto Old Bennington Road in both directions
Quality of Material	F	
Sloping of Road Sides	n/a	
Road Width	n/a	18 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 8/18/13 Traffic Volume/Usage: very Low

Road Name: Dodge Road - A Road Section/Area: from East Road A

General Overall Condition: This section Poor
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	P	
Pot Holes	P	
Bolders	P	
Loose Material	n/a	
Grading	P	
Crowning	P	
Ditches	P	
Culverts	G	from Bridge site - 1) Good
Drainage	F	
Under Drainage	n/a	
Height of Road	P	
Visability	F	limited on left side exit
Quality of Material	F	
Sloping of Road Sides	n/a	
Road Width	n/a	12 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 8/18/13 **Traffic Volume/Usage:** Low

Road Name: Dodge Road - B **Road Section/Area:** from South Francestown Road B

General Overall Condition: This section Poor
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	F	
Pot Holes	P	
Boulders	P	
Loose Material	F	grainy in middle and on end, on hill very loose
Grading	P	
Crowning	P	
Ditches	P	none
Culverts	F	from Bridge site - 1) Good - clear; 2) clean; 3) metal pipe in need of cleaning or replace; 4) metal, needs be cleaned and uphill end collapsed;
Drainage	P	6) 50% full needs cleaning.
Under Drainage	n/a	
Height of Road	P	low
Visibility	n/a	
Quality of Material	n/a	
Sloping of Road Sides	n/a	
Road Width	n/a	12 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 8/3/13 **Traffic Volume/Usage:** Very Low

Road Name: Dunklee Hill Road **Road Section/Area:** Entire Road

General Overall Condition: This section Poor to Fair
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	P to F	some ruts and larger stones in surface
Pot Holes	P	washboard and some potholes
Bolders	P	many
Loose Material	n/a	not much material
Grading	P	
Crowning	P	
Ditches	P	
Culverts	F	1) maybe stone culvert with some flowone - not maintained - can not access top end; 2) appears to be another stone culvert - has some flow.
Drainage	F	
Under Drainage	n/a	
Height of Road	F	low in many places
Visability	P	brush on both sides
Quality of Material	P to F	
Sloping of Road Sides	n/a	
Road Width	n/a	12 Feet
Other	n/a	nice tar entrance

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 8/3/13 Traffic Volume/Usage: Low

Road Name: Etna Road Road Section/Area: Entire Road

General Overall Condition: This section is Fair
(completed as last item)

Characteristics:	G / F / P	Notes
Surface	F to G	
Pot Holes	F	
Bolders	F	some
Loose Material	F	
Grading	P	
Crowning	P	
Ditches	P	
Culverts	G to F	Top down - 1) Good; 2) clear good - no header; 3) plastic clear; 4) good; 5) clear; 6) one third obstructed entire pipe; 7) grate clear - pipe one third full
Drainage	F	need more "get aways for drainage"
Under Drainage	n/a	
Height of Road	F	
Visability	F	down hill to Miner Road poor on right
Quality of Material	F	
Sloping of Road Sides	n/a	
Road Width	n/a	12 Feet
Other	n/a	intersection at Miner Road needs work

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 8/3/13 Traffic Volume/Usage: Very Low

Road Name: Fletcher Farm Road Road Section/Area: Entire Road

General Overall Condition: This section Poor to Fair
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	F	
Pot Holes	P	
Boulders	P	
Loose Material	P	
Grading	P	
Crowning	P	
Ditches	P	
Culverts	n/a	
Drainage	P	
Under Drainage	n/a	
Height of Road	F	
Visibility	G	
Quality of Material	F	
Sloping of Road Sides	n/a	
Road Width	n/a	12 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/28/13 Traffic Volume/Usage: Low

Road Name: Gulf Road - A Road Section/Area: Off Russel Station to end @ Ellis House

General Overall Condition: This section Fair
(completed as last item)

Characteristics:	G / F / P	Notes
Surface	F	
Pot Holes	P	many
Bolders	F	a few
Loose Material	n/a	
Grading	P	
Crowning	P	
Ditches	P	
Culverts	G	one in good condition
Drainage	F to G	
Under Drainage	n/a	
Height of Road	P	some low areas need to be raised
Visability	G	
Quality of Material	n/a	
Sloping of Road Sides	G	
Road Width		16 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/20/13 **Traffic Volume/Usage:** Low to Med

Road Name: Gulf Road - B **Road Section/Area:** _____

General Overall Condition: This section Fair plus
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	G	
Pot Holes	G	poor on lower end past Cornwell Road
Boulders	G	Four or more
Loose Material	P	on side of road
Grading	P	
Crowning	P	
Ditches	P	none - "wing" rows of material on both sides
Culverts	F	1) clear; 2) clear; 3) 25% blocked; 4) 50% blocked; 5) 25% blocked; 6) 33% blocked.
Drainage	n/a	
Under Drainage	n/a	
Height of Road	G	
Visibility	G	
Quality of Material	G	lower by 404 Gulf Rd very coarse material
Sloping of Road Sides	G	
Road Width		16 Feet
Other	n/a	Town line turn around culvert plugged, poor drainage, no ditching, many boulders

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/29/13 Traffic Volume/Usage: Low

Road Name: Holden Road Road Section/Area: Entire Road

General Overall Condition: This section Poor to Fair
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	F	
Pot Holes	P	many
Bolders	P	many and some big
Loose Material	n/a	
Grading	P	washboarding - material pushed to sides - "wing" rows holds water on the road
Crowning	P	road pretty flat
Ditches	P	no ditches in areas where needed
Culverts	G	1) partially restricted by stone wall; 2) clear limited flow; 3) concrete double 24 inch - (3 continued) header washing out on one side missing on other - side bracing falling apart. see "crowning" and "ditching"
Drainage	P	
Under Drainage	n/a	
Height of Road	F	could be raised and improve "drainage"
Visability	F	left side somewhat limited onto route 31
Quality of Material	F	
Sloping of Road Sides	n/a	
Road Width	n/a	12 to 16 Feet and getting wider
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/20/13 **Traffic Volume/Usage:** Medium

Road Name: Lakeview Circle **Road Section/Area:** Entire Road

General Overall Condition: This section Good to Fair
(completed as last item)

Characteristics:	G / F / P	Notes
Surface	P	
Pot Holes	P	numerous
Bolders	P	
Loose Material	F	
Grading	P	
Crowning	P	
Ditches	P	
Culverts	G	1) clear; 2) clear
Drainage	F	
Under Drainage	n/a	
Height of Road	F	needs some work to raise and crown
Visability	P	needs brush cut back
Quality of Material	F	
Sloping of Road Sides	n/a	
Road Width	n/a	14 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 8/3/13 Traffic Volume/Usage: Moderate

Road Name: Miner Road Road Section/Area: Entire Road

General Overall Condition: This section Poor to Fair
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	P to F	
Pot Holes	P	ruts
Bolders	P	a lot entire road
Loose Material	P	washing out in several areas
Grading	P	material being pushed to sides "wing" rows holding water on road
Crowning	P	very little
Ditches	P	some, but filled in a number of areas
Culverts	F	1) 24 inch, clear, header needs to be replaced; 2) dry - for high flow, needs header - ok; 3) flow partial obstruction on high end; 4) closed (just past flow area) high end needs cleaning;
Drainage	P	need more "get aways for drainage" 5) clear needs brush removed; 6) clear; 7) clear - no flow; 8) cement good shape - clear; 9) cement good shape - clear; 10) plastic - drain grate restricted - one third full - needs cleaning; 11) cement - clear.
Under Drainage	n/a	
Height of Road	F	
Visability	F	ok at intersection - some brush into road
Quality of Material	P	not much stone - more "mud"
Sloping of Road Sides	F	needs slopping on side banking above road
Road Width	n/a	18 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/6/13 **Traffic Volume/Usage:** Medium

Road Name: Muzzy Hill Road - A **Road Section/Area:** County Road to RR tracks

General Overall Condition: This section Fair
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	G to F	older section F
Pot Holes	F	minimal
Boulders	F	four or more large & several small
Loose Material	G	
Grading	P	
Crowning	F to P	none in older section
Ditches	F	sloppy - limited outlet areas - better in new section
Culverts	P	found at least two unmaintained culverts and/or abandoned
Drainage	P	need more "get aways for drainage
Under Drainage	n/a	
Height of Road	F to P	needs some work in older section to raise road
Visability	P	onto County Road vegetation blocks view
Quality of Material	G to F	old section F
Sloping of Road Sides	n/a	
Road Width		20 Feet in new section - 14 feet in old section
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/6/13 Traffic Volume/Usage: Low

Road Name: Muzzy Hill Road - B Road Section/Area: RR tracks to end

General Overall Condition: This section Poor
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	F	older section F
Pot Holes	F	
Bolders	P	four or more large & several small
Loose Material	P	
Grading	P	
Crowning	P	
Ditches	P	road lower than ditches in many places
Culverts	F	
Drainage	P	visible water flow in roadway and across road w/washouts
Under Drainage	n/a	
Height of Road	P	road below ditches in many areas - road needs to be raised in areas
Visability	G	
Quality of Material	F	
Sloping of Road Sides	P	needs work, material falling into road in some areas+E2
Road Width		18 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 8/18/13 **Traffic Volume/Usage:** High

Road Name: New Boston Road - gravel section **Road Section/Area:** Entire Road

General Overall Condition: This section Poor to Fair
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	F	
Pot Holes	P	
Boulders	P	
Loose Material	n/a	
Grading	P	
Crowning	P	
Ditches	F	
Culverts	P	from town to pavement - 1) two pipes both plugged, areas outside header washing out needs to be repaired - header tipping out needs repair; 2) clear; 3) clear
Drainage	P	
Under Drainage	n/a	
Height of Road	P	
Visibility	n/a	
Quality of Material	n/a	
Sloping of Road Sides	n/a	
Road Width	n/a	18 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/13/13 **Traffic Volume/Usage:** High

Road Name: Old Bennington Road - A **Road Section/Area:** Forest Road to County Road

General Overall Condition: This section Good to Fair
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	F	some ruts large stones in surface - rolling might break-up or smooth surface
Pot Holes	G	minimal
Boulders	G	none found
Loose Material	G	
Grading	F	see crowning and surface
Crowning	F	some areas flat with small ruts
Ditches	G	except entry were mortared stone header-ditch wall partially taken out and rolled into ditch see width comment
Culverts	F	some culverts have torn ends, some headers missing only two culverts
Drainage	G	suggest opening sides of ditch on downhill side in some areas allowing water runoff and at sides and eliminating standing water and keeping water off road
Under Drainage	n/a	
Height of Road	F	in many areas raising the height of road about six inches would get road above ditch water level reducing ponding or seepage into lower road level
Visability	G	generally good, except some vegetation on right side entry onto Forest Road
Quality of Material	F	see surface
Sloping of Road Sides	n/a	
Road Width	P	road too wide - traveled way should not exceed 24 feet - grading has taken out parts of stone walls violation? of Historic Road requirements
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/13/13 Traffic Volume/Usage: High

Road Name: Old Bennington Road - B Road Section/Area: County Road to Bennington town line

General Overall Condition: This section Good to Fair
(completed as last item)

Characteristics:	G / F / P	Notes
Surface	F	see crowning
Pot Holes	G	minimal
Bolders	G	none found
Loose Material	G	
Grading	F	see crowning and ditches
Crowning	F	center of road too low in many areas, some areas flat with small ruts
Ditches	G	suggest opening sides of ditch on downhill side in some areas allowing water runoff and at sides reduces volume of downhill runoff and washouts
Culverts	F	starting from town line -1) damaged end culvert bent, 2) Ok - no problem, 3) end torn off - restricted half full need maintenance, 4) culvert not working - one end covered, 5) need maintenance one third restricted - needs header work on both sides, 6) torn culvert - needs to be replaced now too short, 7) not bad slightly restricted, 8) good, 9) good, 10) needs header, 11) needs header - washing out see ditches and culverts
Drainage	F	
Height of Road	F	in many areas raising the height of road about six inches would get road above ditch water level reducing ponding or seepage into lower road level
Visibility	G	
Quality of Material	G	
Sloping of Road Sides	F	only in areas where side of road outside ditches goes up quickly 3 feet and above - more gradual sloping needed otherwise ditching could be compromised
Road Width	P	road too wide - traveled way should not exceed 24 feet - grading has taken out parts of stone walls violation? of Historic Road requirements
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/29/13 Traffic Volume/Usage: Low

Road Name: Old Lyndborough Road Road Section/Area: Entire Road

General Overall Condition: This section Poor to Fair
(completed as last item)

Characteristics:	G / F / P	Notes
Surface	F	
Pot Holes	P	many
Boulders	P	not many
Loose Material	n/a	
Grading	P	
Crowning	P	
Ditches	P	
Culverts	F	1) bridge excellent; 2) culvert in bridge; 3) uphill culvert flow; 4) low flow clear.
Drainage	P	water runs down center of road
Under Drainage	n/a	
Height of Road	F	no real low areas - road could be raised
Visibility	-	
Quality of Material	F to G	
Sloping of Road Sides	n/a	
Road Width	n/a	12 Feet
Other	n/a	note one resident was happy with road work done

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 8/18/13 Traffic Volume/Usage: Low

Road Name: Pine Ridge Road Road Section/Area: Entire Road

General Overall Condition: This section Good to Fair
(completed as last item)

Characteristics:	G / F / P	Notes
Surface	F	loose material
Pot Holes	P	
Bolders	F	
Loose Material	F	yes
Grading	F to G	"wing" rows
Crowning	F	some
Ditches	P	filled in some areas - or non-existent
Culverts	P	end to 136 - 1) filled with leaves clear to one third full - needs cleaning; 2) plastic - clear; 3) header collapsed - needs to be cleaned; 4) grate restricted other clear;
Drainage	F to P	5) grate - clear; 6) catch basin area needs to be cleared.
Under Drainage	n/a	
Height of Road	n/a	
Visibility	-	
Quality of Material	-	
Sloping of Road Sides	-	
Road Width		14 Feet
Other		

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/13/13 Traffic Volume/Usage: Low

Road Name: Riverbend Road Road Section/Area: Entire Road

General Overall Condition: This section Poor to Fair
(completed as last item)

Characteristics:	G / F / P	Notes
Surface	P	
Pot Holes	P	
Boulders	F	
Loose Material	n/a	
Grading	P	flat
Crowning	P	needs material for crowning
Ditches	-	
Culverts	F	1) just a little cleaning at inlet.
Drainage	-	
Under Drainage	n/a	
Height of Road	-	
Visability	-	
Quality of Material	-	
Sloping of Road Sides	n/a	
Road Width	n/a	15 Feet
Other	n/a	

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/28/13 Traffic Volume/Usage: Low

Road Name: School House Road Road Section/Area: Entire Road

General Overall Condition: This section Poor to Fair
(completed as last item)

Characteristics:	G / F / P	Notes
Surface	F	
Pot Holes	P	
Bolders	F	a few
Loose Material	n/a	
Grading	P	see crowning & ditching
Crowning	P	needs crowning
Ditches	P	needs ditching in places
Culverts	-	none found
Drainage	P	
Under Drainage	n/a	
Height of Road	P	
Visibility	G	
Quality of Material	F to G	
Sloping of Road Sides	n/a	
Road Width	n/a	16 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/20/13 **Traffic Volume/Usage:** HIGH Medium

Road Name: Slip Road - gravel section **Road Section/Area:** Entire Road

General Overall Condition: This section Good to Fair
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	F	some ruts and larger stones in surface
Pot Holes	G	minimal
Bolders	G	few
Loose Material	P	gullies in road surface
Grading	P	
Crowning	P	
Ditches	P	West side ditch "wing" row of dirt no ditching
Culverts	P	from 325 Slip: 1) plugged both sides; 2) clear; 3) lower end needs cleaning - upper end road not draining into culvert; 4) half restricted lower end; 5) three quarters plugged missing culvert end on poor drainage no side "get aways" & lack of maintenance
Drainage	P	on Dumas Pasture; 6) three quarters plugged; 7) clear; 8) half full; 9) half full
Under Drainage	n/a	
Height of Road	P	
Visibility	G	
Quality of Material	G	
Sloping of Road Sides	n/a	
Road Width	n/a	16 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 8/18/13 **Traffic Volume/Usage:** Medium

Road Name: South Fracestown Road **Road Section/Area:** Entire Road

General Overall Condition: This section Good to Fair
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	F	some ruts and larger stones in surface
Pot Holes	G	minimal
Bolders	G	few
Loose Material	n/a	
Grading	P	"wing" rows on both sides prohibits drainage, pushing material to sides widening road
Crowning	P	minimal mainly higher on sides
Ditches	P	limited good ditching
Culverts	P	from Fracestown - 1) one third full - needs cleaning; 2) restricted outlet collapsed (50%)needs replacement/cleaning; 3) clear; 4) cast culvert - eroding on sides - washout non support concrete -
Drainage	P	(4 continued) - warning could collapse notify Select Board; 5) collapsed - concrete; 6) outlet clear - inlet one fourth full
Under Drainage	n/a	
Height of Road	G to F	needs some work
Visibility	F	
Quality of Material	F	
Sloping of Road Sides	n/a	
Road Width	n/a	15 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 8/18/13 **Traffic Volume/Usage:** Low except summer high

Road Name: Sunset Lake Road **Road Section/Area:** Entire Road

General Overall Condition: This section Fair
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	G to F	
Pot Holes	G to F	ruts only
Boulders	F	not many, but a few big ones
Loose Material	G	
Grading	P	see crowning
Crowning	P	no crowning center lower than sides
Ditches	P	none
Culverts	P	from dead end - 1) needs extension on upper end broken - replace; 2) header falling off restricting flow - needs maintenance; 3) covered - maybe old stone culvert - clean/replace; 4) grate on high need more "get aways for drainage
Drainage	P to F	(4 continued) - side three quarters full - maintenance needed; 5) cement - full - needs maintenance.
Under Drainage	n/a	
Height of Road	F	needs crowning, raise center
Visability	G	good onto highway, but poor vision on road due to winding nature and vegetation
Quality of Material	G	
Sloping of Road Sides	n/a	
Road Width	n/a	12 Feet on 15 Foot right of way
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/13/13 **Traffic Volume/Usage:** Medium

Road Name: Swamp Road **Road Section/Area:** Entire Road

General Overall Condition: This section Poor to Fair
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	F	needs material and grading
Pot Holes	F	washboard & potholes
Bolders	G	none
Loose Material	n/a	
Grading	P	
Crowning	P	flat - needs material grading & crowning
Ditches	P	needs ditching and water outlets
Culverts	F	from highway - 1) three quarters full - needs maintenance; 2) two big pipes middle crushed, flow ok; 3) good; 4) good; 5) good; 6) good; 7) half restricted & crushed one quarter filled.
Drainage	F	
Under Drainage	n/a	
Height of Road	P	
Visability	P	problems at Old Bennington intersection; road travel issues on curves - limited visibility
Quality of Material	n/a	
Sloping of Road Sides	n/a	
Road Width	n/a	18 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 7/28/13 Traffic Volume/Usage: Low

Road Name: Thomas Road Road Section/Area: Entire Road

General Overall Condition: This section Poor to Fair
(completed as last item)

Characteristics:	G / F / P	Notes
Surface	F	
Pot Holes	P	
Bolders	P	
Loose Material	F	
Grading	P	
Crowning	P	
Ditches	P to F	
Culverts	n/a	
Drainage	F	
Under Drainage	n/a	
Height of Road	F	
Visibility	F	
Quality of Material	F	
Sloping of Road Sides	n/a	
Road Width	n/a	16 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: t/28/2013 Traffic Volume/Usage: Low

Road Name: Whitney Road Road Section/Area: Entire Road

General Overall Condition: This section Poor to Fair
(completed as last item)

Characteristics:	G / F / P	Notes
Surface	F	
Pot Holes	P	washouts, water running down center of road in many places
Bolders	G	none
Loose Material	G	
Grading	P	see crowning & ditches
Crowning	P	needs crowning of road
Ditches	P	needs ditching
Culverts	n/a	
Drainage	P	see crowning & ditching
Under Drainage	n/a	
Height of Road	F	needs to be raised
Visibility	G	
Quality of Material	P to F	
Sloping of Road Sides	n/a	
Road Width	n/a	16 Feet
Other	n/a	

G = good, F = fair, and P = poor

Town of Greenfield, New Hampshire Gravel Road Survey conducted by the Greenfield Road Commission

Date: 8/3/13 Traffic Volume/Usage: Very Low

Road Name: Woodland Hill Road Road Section/Area: Entire Road

General Overall Condition: This section Good to Fair
(completed as last item)

<u>Characteristics:</u>	<u>G / F / P</u>	<u>Notes</u>
Surface	F	
Pot Holes	F	some
Boulders	P	
Loose Material	n/a	
Grading	P	
Crowning	P	water stays on road - potential washout
Ditches	G	
Culverts	F	from top - 1) clear; 2) old hand laid stone - works; 3) new cement - good - one header needs work;
Drainage	-	4) plugged needs maintenance - metal; 5) clear - plastic.
Under Drainage	n/a	
Height of Road	-	
Visability	G	
Quality of Material	F to G	
Sloping of Road Sides	n/a	
Road Width	n/a	10 Feet
Other	n/a	

G = good, F = fair, and P = poor

UNH Road Inventory

Unpaved Road list

UNH Road Inventory				UNH	Actual	2013							Outside Contract (0/16)* Day Rate applies	
length	width	Sq. Ft	Sq. Yds	Brox. 45/sq.yd	UNH .72/sq. yd	Greenfield .04/sq. yd								
2247	8	38199	4244	\$1,909.95	\$3,058	\$170	\$611.18							
496	10	4960	551	\$248.00	\$397	\$22	\$79.36							
8338	16	166760	18529	\$8,338.00	\$13,341	\$741	\$2,668.16							
2087	10	35479	3942	\$1,773.95	\$2,838	\$158	\$567.66							
1218	16	21924	2436	\$1,096.20	\$1,754	\$97	\$350.78							
7128	14	135432	15048	\$6,771.60	\$10,835	\$602	\$2,166.91							
7153	20	171672	19075	\$8,583.60	\$13,734	\$763	\$2,746.75							
3815	16	49595	5511	\$2,479.75	\$3,868	\$220	\$793.52							
7557	8	90884	10076	\$4,534.20	\$7,255	\$403	\$1,450.94							
2504	10	32552	3617	\$1,627.80	\$2,604	\$146	\$520.83							
7516	12	82678	9188	\$4,133.80	\$6,614	\$367	\$1,322.82							
14012	22	322276	35808	\$16,113.80	\$25,782	\$1,432	\$5,156.42							
1851	14	27765	3085	\$1,388.25	\$2,221	\$123	\$444.24							
4838	18	87084	9676	\$4,354.20	\$6,967	\$387	\$1,393.34							
2645	10	44865	4996	\$2,248.25	\$3,597	\$200	\$719.44							
1641	14	21333	2370	\$1,066.65	\$1,707	\$95	\$341.33							
7045	12	112720	12524	\$5,636.00	\$9,018	\$501	\$1,803.52							
7843	12	188232	20915	\$9,411.60	\$15,059	\$837	\$3,011.71							
2320	10	58000	6444	\$2,900.00	\$4,640	\$258	\$928.00							
10813	20	227073	25230	\$11,353.65	\$18,168	\$1,009	\$3,633.17							
4407	16	61698	6855	\$3,084.90	\$4,936	\$274	\$987.17							
7151	12	100114	11124	\$5,005.70	\$8,009	\$445	\$1,601.82							
1181	18	23620	2624	\$1,181.00	\$1,890	\$105	\$377.92							
2200	8	44000	4889	\$2,200.00	\$3,520	\$196	\$704.00							
5184	16	103680	11520	\$5,184.00	\$8,294	\$461	\$1,658.88							
2634	14	44778	4975	\$2,238.90	\$3,582	\$199	\$716.45							
6512	12	143284	15918	\$7,163.20	\$11,461	\$637	\$2,292.22							
1280	8	21760	2418	\$1,088.00	\$1,741	\$97	\$348.16							
2339	12	25729	2859	\$1,286.45	\$2,058	\$114	\$411.66							
				\$124,401.20	\$189,042	\$11,058	Unknown due to Day Rate							

PROVIDED BY TOWN ADMINISTRATOR

42

APPENDIX D

Road Commission Minutes for 2013
dated

4/3/13

5/1/13

5/15/13

6/19/13

7/3/13

Town of Greenfield, New Hampshire
Road Commission Meeting

DRAFT MINUTES

April 3, 2013

Road Commission Meeting Attendees: N. Nickerson, G. Russell, M. Merzi, M. Steere (Chair) and T. Bascom (visitor).

Meeting open at 6:30 PM – review of current issues.

Reviewed the Town meeting discussion on roads, it was recognized that the sense of the meeting showed a desire to increase the level of spending on road reconstruction.

The Commission generally agreed that based on Town input a bond should be considered. The Road Commission will begin working on criteria to assess the condition and priority of roads for developing a schedule for future road reconstruction. The material will be prepared working with the Town Director of DPW and used in consideration of a bond proposal.

The Commission agreed that in the future road construction should be reviewed and approved by an experienced road builder. This will assure that Bond funds will be spent wisely.

The Commission discussed current road conditions for dirt/gravel roads and generally agreed the “flatness” of the roads was contributing to problems. It was agreed that ditching and better crowning of the roads would be beneficial.

The Commission agreed that some additional members would be helpful and will provide some names to the Select Board for consideration.

The Road Commission meeting will be continued for April 17, 2013.

Current session closed at 7:45 PM.

Meeting continued at 6:30 PM on April 17, 2013.

Attendees: N. Nickerson, G. Russell, M. Steere (Chair), T. Bascom (visitor), M. Rossi (visitor) and J. Gryval (visitor).

Criteria for road work prioritization would include: traffic counts/volume, population of area, road usage/traffic patterns, current road condition, accessibility/dead end, and work required for reconstruction as initial items for discussion with DPW Director.

Criteria for road condition would include: drainage, ditching, road crowning (gravel roads), pot holes/surface issues, road bed as initial items for discussion with DPW Director.

Overall issues going forward include the width of historic roads, paving of roads (gravel to paved and/or paved to gravel), shading of roads, obstacles near roads/potential driving hazards, and intersection visibility as initial items for discussion with DPW Director.

The Road Commission continued discussion on current road condition and areas for review with DPW and/or Select Board. Some areas for review include: gravel road construction as noted in criteria for road condition, culvert installation, road width, crowning and ditching. The Commission agreed that a field trip with the DPW Director and/or members of the Select Board might be useful for future reference and as an education process for all concerned. M. Steere to contact Select Board Chair and if appropriate DPW Director. G. Russell to determine field trip areas for review.

It was agreed to schedule the next meeting around the Field Trip, at 5 PM Wednesday, April 24th or May 1st if possible.

Respectfully submitted,

Myron Steere

Town of Greenfield, New Hampshire
Road Commission Meeting

Field Trip (Old Bennington and County Roads)

DRAFT MINUTES

May 1, 2013

Road Commission Meeting Attendees: N. Nickerson, G. Russell, T. Murray (Director DPW), R. Wimpory (Selectman) and M. Steere (Chair).

Meeting open at 5:00 PM – at the corner of Old Bennington and County Roads.

A brief discussion took place prior to the group proceeding to site one on County Road.

Site one in the area of a replacement culvert on County Road. There was an informative discussion of matters concerning the culvert and issues surrounding the replacement.

The group proceeded to site two on Old Bennington Road.

Site two is in the area of a replacement culvert on Old Bennington Road. There was an informative discussion of matters concerning the culvert and issues surrounding the replacement. T. Murray noted that a culvert extension would be installed once funds were available to buy “pipe”.

At this point T. Murray left the meeting.

The discussion moved to status of work on the gravel pit approved at Town Meeting. The Road Commission expressed concern that work needed to move forward quickly to have any material ready by snow season and the road budget had been reduced by \$10,000 with the expectation material would be available.

As a result of the concerns noted above the Road Commission unanimously approved a motion to request the Select Board move quickly to commence gravel pit opening and operation.

The next Road Commission meeting was scheduled for Wednesday, May 15, 2013 at 5:00 PM.

Meeting was adjourned by motion of the Commission at 5:47 PM.

Respectfully submitted,

Myron Steere

Town of Greenfield, New Hampshire
Road Commission Meeting

DRAFT MINUTES

May 15, 2013

Road Commission Meeting Attendees: N. Nickerson, G. Russell, and M. Steere (Chair).

Meeting open at 5:00 PM – Town Hall

A brief discussion of the May 1st field trip – all thought it was a good session.

The discussion of criteria for road work prioritization and road condition was initiated. The Commission agreed that the developed criteria were open for review by the DPW Director for final agreement prior to road evaluation.

The Commission agreed the criteria for road prioritization for review by DPW Director in order include:

- 1) Traffic counts/volume
- 2) Road usage/traffic patterns
- 3) Current road conditions
- 4) Work required for reconstruction
- 5) Accessibility/dead end

The Commission agreed the criteria for road condition for review by DPW Director in order include:

- 1) Surface condition – pot holes & surface issues
- 2) Surface drainage
- 3) Under road drainage
- 4) Road bed
- 5) Road crowning (all roads)

The goal is to have the criteria reviewed with the Director of DPW for finalization at the next meeting.

The Commission recommends and believes it would be useful for the Director of DPW to provide field trips for members of the Select Board and Town Administrator to review completed work. This will allow the Board to be better informed on road issues in preparation of future reconstruction work performed by contractors. The trip should be conducted on a periodic basis - at least monthly during the construction season. This review will be useful for Bond hearings information and provide a better understanding of the issues facing the Director of DPW.

The Road Commission currently has four members and requests the Select Board consider three additional members. The Commission has three individuals that have shown at interest in serving on the Road Commission and would like the Board to consider appointing same. The three residents are: Kevin Sweeny (Saw Mill Road), Tom Bascom (County Road) and Mel Rossi (Old Bennington Road).

The next Road Commission meeting is scheduled for Wednesday, May 29, 2013 at 5:00 PM.

Meeting was adjourned by motion of the Commission at 6:17 PM.

Respectfully submitted,

Myron Steere

Town of Greenfield, New Hampshire
Road Commission Meeting

DRAFT MINUTES

June 19, 2013

Road Commission Meeting Attendees: N. Nickerson (part of meeting), G. Russell, M. Steere (Chair) and T. Bascom (visitor).

Meeting open at 6:33 PM – Town Hall

Meeting started with a brief discussion of the Unpaved Road list costs provided by the Town Administrator. There were a number of questions including – Does work include additional material requirements? Does this include needed drainage? and Does work include rebuilding the road where needed?

The Commission discussed current road issues and agreed that a road grading schedule would be beneficial in providing better public relations and understanding of road maintenance.

On road reconstruction, the Commission thought that it might be wise to have an independent “road builder” provide advice and council on road maintenance and reconstruction issues.

Based on current tax situation The Commission would like to get the Select Board’s sense of going forward with a bond for road reconstruction. The Commission will provide time at our next meeting to review issues with the Select Board.

The Commission has not had any input from the DPW Director on road prioritization and condition of roads so will proceed with the criteria below:

The Commission agreed the criteria for road prioritization in order includes:

- 1) Traffic counts/volume
- 2) Road usage/traffic patterns
- 3) Current road conditions
- 4) Work required for reconstruction
- 5) Accessibility/dead end

The Commission agreed the criteria for road condition Director in order includes:

- 1) Surface condition – pot holes & surface issues
- 2) Surface drainage
- 3) Under road drainage
- 4) Road bed
- 5) Road crowning (all roads)

Scheduling of road trips to review gravel road condition and prioritization will be completed in the next two weeks – the sense is four or five roads at a time during the next two months to have the work done by the end of August. In addition, the Commission will identify known trouble spots on the gravel roads. The work is to start during the first full weekend of July (Saturday or Sunday to be determined).

The Road Commission currently has four members and requests the Select Board consider three additional members. The Commission has three individuals that have shown at interest in serving on the Road Commission and would like the Board to consider appointing same to assist in the upcoming gravel road evaluation. The three residents are: Kevin Sweeny (Saw Mill Road), Tom Bascom (County Road) and Mel Rossi (Old Bennington Road).

The next Road Commission meeting is scheduled for Wednesday, July 3, 2013 at 6:30 PM.

Meeting was adjourned by motion of the Commission at 7:37 PM.

Respectfully submitted,

Myron Steere

Town of Greenfield, New Hampshire
Road Commission Meeting

DRAFT MINUTES

July 3, 2013

Road Commission Meeting Attendees: N. Nickerson, G. Russell, M. Merzi, M. Steere (Chair) and T. Bascom (visitor).

Meeting open at 6:35 PM – Town Hall

The Commission noted the positive improvement in ditching & drainage work on County and Old Bennington Roads.

The Commission has scheduled working gravel road evaluation tours and prepared a check list to be used in preparing a written summary for each gravel road. The schedule is as follows:

Weekend of July 6th – Muzzy Hill Road and County Road.

Weekend of July 13th – Cavender Road, Old Bennington Road, Riverbend Drive, Swamp Road, and Colonial Drive.

Weekend of July 20th – Slip Road, Cornwell Road, Gulf Road, and Lake View Circle.

Weekend of July 27th – Whitney Road, School House Road, Holden Road, Old Lyndeborough Mountain Road, Thomas Drive, Blanchard Hill Road, and Coach Road.

Weekend of August 3rd – Fletcher Farm Road, Miner Road, Etna Drive, Dunklee Hill Road, and Woodland Hill Road.

Weekend of August 10th – Brooks Drive, Dodge Road, New Boston Road, Sunset Lake Road, and Pine Ridge Road.

Weekend of August 17th – South Frankestown Road, Sunbeam Road and pickups.

Weekend of August 24th – pickups if needed.

A report on Greenfield gravel roads will be prepared by the Road Commission based on the results from the evaluations.

The next meeting of the Road Commission will be scheduled after the evaluations are completed.

Meeting was adjourned by motion of the Commission at 7:43 PM.

Respectfully submitted,

Myron Steere