

CLASS V ROADS STUDY COMMITTEE  
TUESDAY, August 7th, 2018  
4 PM  
TOWN OFFICE CONFERENCE ROOM

Present: Sue MacKenzie, Bret Ryan, Dan Brand, Karen Henry, Frank Bowles, Mike Smith, Bill Malcolm, Steve Williams (arrived about 410 pm)

## Agenda

- Minutes from 7-17-2018
- Report on Culvert inventory
- Progress on the closed portion of River Road ("The Slump") DES permits, etc.
- Approval of HMGP for Dorchester Road Culverts
- Spot paving for Pinnacle and Acorn Hill

The meeting was called to order at 403 PM.

Minutes – The minutes from the 7-17-2018 meeting were approved (2<sup>nd</sup> Draft became the final copy).

Hewes Brook Bridge – Sue asked Frank if he was going to write a letter to Mr. Emery regarding using his property for a temporary bridge. Frank said that he had been waiting to learn whether we will have the River Road reconstruction completed (and therefore River Road would be available as an alternative route), before writing the letter. Sue said that the River Road reconstruction will most likely be open. Frank suggested that he write a letter to Mr. Emery indicating that we will probably not need his property for access during the Hewes Brook Bridge reconstruction, but that if it does become necessary to install a temporary bridge during construction, the Town will be contacting him. Bret supported this idea, saying that it is a good idea to keep communicating with him at this time.

Geostabilization International (GSI) and the US Army Corps of Engineers (USACE) – Sue asked Karen whether she had contacted Perry Kairis of GSI to ask whether we can share GSI's proposal regarding reinforcement of the River Road embankment near Carola Lea's house. Karen replied that she had reached out to Perry with this question via email and a phone message but has not yet heard back from him. She said that she will do so again before the next meeting.

Chip Sealing – Sue asked Steve whether he had learned about chip sealing since the last meeting, and Steve said that not yet. However, this will happen soon.

Culvert Inventory – Sue said that the culvert inventory was about 35% finished, and she passed around a map that shows which culverts have already been inventoried by The Upper Valley Lake Sunapee Regional Planning Commission (RPC). The minutes of the meeting that staff held with Town representatives at 930 on 7 August 2018 are attached at the end of these minutes. Dan Brand prepared the minutes and forwarded them to the Committee via email earlier. Sue said that a listserv notice was also sent out to notify citizens that RPC staff would be wading in the streams for this inventory.

### Progress on the reconstruction of the Closed portion of River Road -

Sue said that the Town has reached an agreement with the landowner for \$87,500. One of the permits from DES (NH Department of Environmental Services) came in for him to sign today. Commissioner Scott (NH DES Commissioner Robert Scott), DES, the contractor (Northern New England Field Services) and Right Angle Engineering and the Lyme Select Board will be meeting on Friday, August 10<sup>th</sup> at 10 AM in order to try to expedite the DES permits required for this project. Councilor Joe Kenny (District 1, NH Executive Council) has been supportive of this project in terms of getting the DES permits. He helped arranged for the 10 am meeting on August 10<sup>th</sup>. Dennis Thompson would like to start stabilizing the old road next Monday (August 13<sup>th</sup>) in the morning. The road will be closed to ALL traffic during construction (including biking and pedestrian traffic). Mike expressed concerns about access to his property, and Sue reassured him that Dennis knows that the Smith's need access. Dennis Thompson will wait for permits before he starts clearing trees. The Town will close on the land as soon as all required permits are approved.

This led to a discussion about how low the Connecticut River has been in the past few days, including whether there has been movement on Carola Lea's property. Karen said that she noticed some movement, but it was less than ½" movement the last time she checked about a week ago.

Schwarz Driveway – Related to the repair of the road near Grant Brook Bridge, Sue said that there is a problem with Mr. Schwarz's driveway. He has complained that the trucks related to the River Road reconstruction work have damaged his driveway by turning around in it. Steve Williams said that he looked at it last Thursday, and both he and Sue think that any damage done is minimal. There was some discussion of Schwarz's pond repair project, including mention of the construction equipment that has been using his driveway for the project.

Bank repair near Grant Brook Bridge – Sue said that the Grant Brook area repair project is complete except for the guard rails, which should be installed tomorrow. She feels that there are likely to be comments related to the fact that the slope is not "pretty." Karen said that she noticed that there is no shoulder on the Northbound lane. Steve said that he thought that there was supposed to be a 1 foot shoulder.

Approval of HMGP for Dorchester Road Culverts – Sue said that we have received approval (from the State) for replacement of Dorchester Road Culverts, and we are moving forward on that. Karen asked for clarification, and it was pointed out that FEMA has not yet approved this project.

Paving for Pinnacle Hill and Acorn Hill – Steve said that he is meeting with BlackTop tomorrow to get an estimate for paving (repaving) the portions of both of these roads where they are already paved. He said that these paved roads are worth saving (school bus routes). He thinks that they need at least 2" of asphalt pavement. The funding for this would come from the Block Grant. Sue said that we may have enough in the budget for this. Steve said that he will have a better idea of the costs of repaving these roads after his meeting tomorrow. There was considerable discussion about the state of these two roads, including that some of the underdrains on Acorn Hill Road are under the center of the road. The culverts are in good shape. Sue said that she will see whether there is enough block grant funding for this project.

The pavement decision will be related to the final design of the culvert that needs replacing on Baker Hill (right now Right Angle and Northern New England Field Services are discussing a concrete cylindrical culvert).

Mike asked if roadside mowing will be happening this summer – Steve said that yes, it will happen in late August. He also asked about ditching – and Steve said that he has all the asphalt roads done and about half of the unsurfaced roads.

River Road Closure (again) - Mike asked whether we have the budget for the reconstruction of the closed portion of River Road. Sue said that the land purchase had a big impact on the budget, and that there are unknown continuing engineering costs as well as costs related to DES permitting. The budget for the project will probably be met vs. having any funding “leftover.” No significant amount will be returned to the Town. She did say that there will be some crushed rock left over from the project.

#### Other Business –

Steve said he doesn’t want to forget about the culvert at Pony Hill / Hardscrabble (near Skelly’s home). Daniels would re-sleeve the culvert (eliminating headwalls, and using a smooth bore culvert) for approximately \$125K. Sue said that she will determine how much grant block money is available and we can decide which projects to apply it to.

Steve and Sue discussed the possibility of getting another estimate for the project, to possibly include other approaches (vs. smooth bore culvert) to the repair. Karen suggested that the Town might benefit from discussing this repair/replacement project with Tony Puntin, P.E. – for example can it be re-sleeved and take the bottom of the culvert out.

Further discussion was about the rising and falling Connecticut River levels and the related erosion caused by them. Bill asked whether the original license was ever found and Sue said no. The license from the 1970s was located but not the license from the 1940s (the dam became operational in 1950). Sue said that the Library of Congress was very distressed that they could not find a copy of the original license. Mike asked if maybe NH DES had a copy. Karen suggested that maybe CRREL (a USACE – ERDC (Engineer Research and Development Center laboratory) – could find the original license for the Wilder Dam. Karen volunteered to work on this – by contacting USACE about this.

The meeting was adjourned at 450 PM.

/s/ Karen Henry

## LYME CULVERT INVENTORY MEETING MINUTES

9:30 AM Town Office Conference Room, Tuesday, August 07, 2018.

Present: Sue MacKenzie, Dan Brand, Bill Malcom, Mike Smith

The meeting started at 9:40AM when the Culvert Inventory staff arrived

The staff handed out a list of questions to review.

1. State maintained bridges and roads. Are these a priority?

No; the state is responsible for these roads. Grafton Turnpike, after the Skiway “Y” splitting it off from Dorchester Road, is a town road, so include it. Same for Baker Hill Road around the corner from Dorchester Road. Include it, including the hydrology for Baker 1.

2. Class VI roads. Are these a priority?

No; can ignore them since they are not the town’s responsibility.

3. Culver Hill Lane: At the end of the road, there is a dead end sign. It is unclear if this section of road is private or town. There is a culvert at the beginning.

Yes, include this culvert in the inventory.

4. Request Access:

- a. Dorchester Rd., stream that goes through horse farm.
- b. Flint Hill Rd., stream at turn before Smith Mountain Road.
- c. Pony Hill Lane, stream through private property. Nearby farms are Runaway Farm and Pony Hill Farm.

Yes, you can take access; the town will send out a notice to the town citizens that you are RPC staff doing work for the town.

5. Horton Lane: This road goes to Pinnacle Trail. Is any portion maintained by the town?

No. Don’t include this road in the inventory.

General discussion:

A road map of the town was handed out. The pink and green colored roads are “mostly done”. A table showing a complete list of roads in the town and the status of inventory work on them was also handed out. The goal is to be done with the inventory before the snow flies.

This inventory collects all the data needed to run the state model which calculates the stream flows for the various yearly storms (i.e., 10-year, 25-year, 100-year storms). The model is only for stream crossings. Engineering calculations are needed to calculate any needed additional

culvert/bridge capacities for streams. Drainage culverts are not modelled. However, the inventory will tell us if those culverts are likely to “blow out” and need to be larger, or if they need replacing due to poor condition or placement.

The state model will be run by DES in a “year or two”. However, if we need information sooner, Olivia knows how to run the model, but this would require an additional contract with the RPC. She has worked with the DES on this. Generally, the DES doesn’t want inexperienced outsiders running the model, we were told.

The meeting adjourned at 1030 AM.

Respectfully submitted,

Dan Brand