

RE: Rt. 2 Question

Bogaczyk, Matthew <Matthew.Bogaczyk@vermont.gov>

Tue 7/30/2024 1:59 PM

To: Josh Arneson <jarneson@richmondvt.gov>

Cc: Hulett, Josh <Josh.Hulett@vermont.gov>

Hi Josh,

On projects like this, we are designing for a ~3" nominal rise at centerline to promote better banking and cross slope, and increasing the drainage of water off the roadway. In this area, the finished grade at centerline varied between roughly 3" over the existing grade (near Red Barn Lane) and down to the same grade as the preconstruction height (at Lily Pond Circle). We also improved the banking through this section which resulted in a slightly higher outside of the curve and slightly lower inside. The general shape of the roadway was installed last summer and would have been about 1.5" low at the time of the 2023 flooding as we were waiting on the wearing surface to be placed.

There is an existing cross culvert to the east of Lily Pond Circle which was unaltered with the project. In addition to the bridge at Snipe Ireland Road and the mentioned culvert, there is another cross culvert 450' east of Lily Pond Road which was unaltered as well. There were no new cross culverts installed in this area.

Regarding any work in the past 10 years, it's a little hard to say. There was a leveling project in the area back in 2013 and there's a good possibility that the road *may* have been raised by about 1" as they typically did not include milling at that time.

Thanks,

Matt Bogaczyk, P.E.

HSD Program Manager

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From: Josh Arneson <jarneson@richmondvt.gov>

Sent: Tuesday, July 30, 2024 1:05:41 PM

To: Hulett, Josh <Josh.Hulett@vermont.gov>

Subject: Rt. 2 Question

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Josh,

In the recent flooding on July 10 - 11 there was significant flooding in the area of Red Barn Ln. and Lily Pond Circle in Richmond. These are private roads located to the east of Snipe Ireland Rd. They both exit onto Rt. 2. Residents in this area think that Rt. 2 was raised in the recent work and that there is now not proper drainage from their neighborhood across or under Rt. 2. Was Rt. 2 raised in this area with the recent work? Was Rt. 2 raised in any work in the previous 10 years? There is a bridge to the east of Snipe Ireland Rd. which the brook passes under. Are there any other drainage structures in this area?

Thanks,

Josh Arneson (he/him)

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