

From: [Vinod Kalikiri](#)
To: [Jennifer Hager](#)
Cc: [Kirsten Braun](#); [Ron Muller](#); [Matt P](#); [Christine Champeau](#)
Subject: RE: [External] Unified Parkway
Date: Tuesday, December 6, 2022 10:35:07 AM
Attachments: [PROFILE-REV.pdf](#)
[BICYCLE SHOULDERS.pdf](#)

Hi Jen,

The first attachment has the profile slope label clarification requested by Chappell Engineering in their last letter. Regarding the topic of bicycle accommodations, we prepared the second attachment (cross-sectional diagram near the 68" Sycamore tree labeled "bicycle shoulders") to demonstrate the effect of accommodating bicycle shoulders in the currently proposed design. As shown in the bottom portion of the exhibit, by shifting the roadway as far south as possible within the right of way (while leaving just enough room to construct a retaining wall a little to the east of this location), and limiting the shoulder widths to 2 feet on both sides of the roadway, we were able to get the future edge of the roadway on the north side of Boston Road to more or less coincide with the existing edge of the roadway. If we had to widen the shoulders from 2 feet to 5 feet on each side by widening closer to the tree, the limit of work would be only about 3' from the tree trunk as shown in the top half of the sheet. For a tree of that size, working that close to the trunk would most likely require cutting into the root system of the tree.

We had done similar cross-sectional studies over the last several months, and overall, based on multiple discussions with the Planning Board and Town staff regarding minimizing impacts to the tree, we have adopted the 2-foot shoulder option shown in the bottom half of the exhibit as the basis of design.

Please let me know if you would like to discuss this further or if you have any additional questions. thanks,

Vinod

Vinod Kalikiri, PE, PTOE

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From: Jennifer Hager <j.hager@town.sutton.ma.us>
Sent: Monday, December 5, 2022 10:59 AM
To: Vinod Kalikiri <VKALIKIRI@vhb.com>; Matt P <MattP@thekraftgroup.com>
Cc: Kirsten Braun <kbraun@chappellengineering.com>; Ron Muller <ronmuller@ronmullerassociates.com>
Subject: [External] Unified Parkway

Hi Vinod: With respect to the 11.28.22 letter from Chappell in addition to their previous open commentary about bicycle accommodations. Can you please provide verification and plans showing the engineering correction as well as a summary of impacts if the Town requires bicycle accommodation. The Chair would like a completely clean letter from Chappell in advance of the meeting on the 12th, so the faster the better! Thanks ☺ Jen

Jennifer S. Hager
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