

Date: February 3, 2020

Agenda Prepared By: VHB

Place: Webster Town Hall

Project No.: 52597.00

Project Name: Clothespin Bridge

The purpose of this meeting is to provide a status update to Select Board members and discuss alignment alternatives evaluated.

1. Status update

- a. Survey, ROW research, and stream assessment complete (sets bridge span)
- b. Borings obtained and Draft Geotechnical Report submitted to VHB
- c. Existing conditions hydraulic model complete (determines preliminary water surface elevations)
- d. Alignment alternatives evaluated
- e. Preliminary Profiles developed for each alignment based on approximate span and superstructure depth

2. Alignment Alternatives

- a. Online: closely match existing (15mph design) – sign package required, minimal improvement over existing conditions (sight lines and superelevation).
- b. Offline:
 - i. Meet 35 mph using standard AASHTO Roadway Design Guidance – not desired due to extreme superelevation, lack of appropriate transitions, curved bridge required, and greater impacts anticipated.
 - ii. Design for 30 mph considering low volume roadway design parameters – desired alignment based on site conditions, traffic volume, roadway classification, and superelevation despite longer and potentially more skewed bridge than online option.

3. Profile Alternatives

- a. Profiles developed for online and preferred offline alignment based on preliminary hydraulic results and assumed superstructure depth based on span

4. Next Steps

- a. Evaluate bridge alternatives (100-foot spans +/-, precast beams or steel girders)
- b. Finalize proposed hydraulic model
- c. Complete cost analysis
- d. Complete Engineering Study