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**Cc:** [Beck, Albert M L \(DOT\)](#); [Maybrier, Scott L \(DOT\)](#)  
**Subject:** FW: 1557 Settlement- Totchaket Road, Photos, Notes  
**Date:** Monday, December 6, 2021 7:29:41 AM  
**Attachments:** [1557 Totchaket Rd Nenana.jpg](#)  
[1557 Photos 2021.pdf](#)  
[1558 Photos 2021.pdf](#)  
[1559 Photos 2021.pdf](#)

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Hello Jonathan,

Here are some photos and notes from our supplemental inspection of the bridges in July 2021. These bridges have only recently been added to the Department's inspection itinerary since they were not previously open to the public.

BN 1557 on Totchaket Rd has the most notable settlement, as detailed below.

#### BN 1557

- Most apparent settlement of the three Totchaket Rd bridges
- FE settlement: Standing on the deck at the NE deck, the FE appeared to have global settlement. We estimated the FE deck may be 9-12" lower than NE. Soil movement and bearing loss were observed beneath the timber sill. Stacked gabion baskets form a vertical bank, with deformation.
- NE Settlement: Gabion baskets are stacked in two horizontal rows. The bottom row is collapsing along the NE US bank.
- Minor bank erosion observed at FE DS corner
- High water prevented observing the bottom of the slope and gabions.

#### BN 1559

- Gabion baskets are in fair to poor condition, with loss of cobble and gravel fill.
- No global or differential settlement was noted
- FE timber sill has loss of fill and bearing surface, with 16" void beneath the US corner.
- Banks retain decent vegetation, without notable erosion
- High water prevented observation of the lower slope.

#### BN 1558

- Gabion baskets are in fair condition, some deformation
- No global or differential settlement was noted
- High water prevented observation of lower slope and gabion conditions

Please let me know if you have any questions or if you need anything more.

Elmer  
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