



Town of Foster

Est. 1781

Joe Cardillo
Public Works Director

4/18/2014

Foster Town Council
181 Howard Hill Road
Foster, RI 02825

Honorable Council Members:

After inspection of the Johnson Rd Box Culvert Bridge, I have found a number of issues listed below.

Pictures

- 1: Serious Separation in concrete wall.
- 2: Further evidence of separation and shifting of concrete wall.
- 3: Top view of wall, serious separation evident.
- 4: Shows crack on opposite wall, through to ground.
- 5: Shows separation through to ground, complete top to bottom.
- 6-7: Shows undermining of wall.
- 8-9 Shows wall shifting and separation in all four directions.

Remaining pictures show wear on face of culvert and block wall bowing. The side wall which serves as a guard rail is a serious issue which needs to be addressed immediately. The walls in question create a dangerous situation to the public.

Due to the fact this issue needs immediate attention; I am proposing the following course of action:

1. Cut away old block wall even with road grade
2. Re-mortar damaged joints in remaining wall
3. Install galvanized steel guard rails to replace wall above road grade.

Considering the monetary constraints of this years DPW budget and the need for immediate action, I believe the best course of action would be to utilize used guard rail parts that have been left over from previous projects. This will substantially reduce the cost of repairs but some new parts may be needed and mortar joint repairs will also add to the cost. I am estimating an additional cost of \$1000 to \$2000, of which the DPW budget cannot absorb.

Thank you

Joe Cardillo
Town Of Foster
Director of Public Works