APPENDIX B: ADDITIONAL DATA FROM FIELD COMPONENT

This appendix is specifically created to supplement Chapter 6.

It is provided to present the after construction field instrumentation data from GMU-VDOT GRS-IBS site.
Fig. B1. Vertical stresses developed in layer 1 on Abutment A
Fig. B2. Vertical stresses developed in layer 1 on Abutment B
Fig. B3. Vertical stresses developed in layer 4 on Abutment A (EPC 5 and 6 are located on the North and South sides)
Fig. B4. Vertical stresses developed in layer 4 on Abutment B (EPC 5 and 6 are located on the North and South sides)
Fig. B5. Vertical stresses developed in layer 7 on Abutment A
Fig. B6. Vertical stresses developed in layer 7 on Abutment B
Fig. B7. Vertical stresses developed in Layer 13 on Abutment A (EPC 11 and 12 are located on the north and south sides)
Fig. B8. Vertical stresses developed in layer 13 on Abutment B (EPC 10 is located on the North side)
Fig. B9. Vertical stresses developed in layer 16 on Abutment A (EPC 15 is located on the North side)
Fig. B10. Vertical stresses developed in layer 16 on Abutment B (EPC 13 is located on the South side)
Fig. B11. Lateral stresses developed behind the facing blocks in layer 3 on Abutment A
Fig. B12. Lateral stresses developed behind the facing blocks in layer 4 on Abutment A
Fig. B13. Lateral stresses developed behind the facing blocks in layer 11 on Abutment A
Fig. B14. Lateral stresses developed behind the facing blocks in layer 12 on Abutment A
Fig. B15. Lateral stresses developed behind the facing blocks in layer 13 on Abutment A
Fig. B16. Lateral geotextile strains developed in layer 2 on Abutment A
Fig. B17. Lateral geotextile strains developed in layer 6 on Abutment A
Fig. B18. Lateral geotextile strains developed in layer 11 on Abutment A
Fig. B19. Lateral geotextile strains developed in layer 13 on Abutment A
Fig. B20. Lateral geotextile strains developed in layer 14 on Abutment A
Fig. B21. Lateral geotextile strains developed in layer 14 on Abutment A
Fig. B22. Lateral geotextile displacements developed in layer 2 on Abutment A
Fig. B23. Lateral geotextile displacements developed in layer 6 on Abutment A
Fig. B24. Lateral geotextile displacements developed in layer 11 on Abutment A
Fig. B25. Lateral geotextile displacements developed in layer 14 on Abutment A
Fig. B26. Lateral backfill deformations developed in layer 14 on Abutment A