

# part V

## Appendices

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# Introduction

Appendices A, B, and C describe the modeling techniques used to generate the investment/performance analyses and capital investment scenarios highlighted in Chapters 7 through 10. Appendix D discusses an ongoing initiative, “Reimagining the C&P Report in a Performance Management-Based World.”

**Appendix A** describes selected technical aspects of the **Highway Economic Requirements System (HERS)**, which is used to analyze potential future investments for highway resurfacing and reconstruction and highway and bridge capacity expansion.

**Appendix B** details the **National Bridge Investment Analysis System (NBIAS)**, which is used to examine potential future bridge rehabilitation and replacement investments.

**Appendix C** presents technical information on the **Transit Economic Requirements Model (TERM)**, which is used to explore potential future transit investments in urbanized areas. TERM includes modules that estimate the future funding required to replace and rehabilitate transit vehicles and other assets and to invest in new assets to accommodate future growth in transit ridership.

**Appendix D** discusses two ongoing FHWA-sponsored research efforts aimed at identifying opportunities to enhance the analytical approaches used for assessing future investment needs and to improve the communication of information in the print and Web versions of the C&P report.