

# Analysis Procedure Manual

*2023 Change Sheets*

**April 2023**

*APM Version 2*

## Front Matter updates

- Updated Acknowledgements to reflect new contributors and Preface with new copyright date and updated email contacts.

*Chapter 10*

## Adding new Appendix 10A on Auxiliary lanes

- Chapter 10 was updated by adding a new Appendix A on auxiliary lanes. Appendix 10A focuses on screening-level methods to evaluate how much of an auxiliary lane is likely to function as one or as a general-purpose lane.

**August 2023**

*APM Version 2*

## Front Matter updates

- Updated Acknowledgements to reflect new contributors.

## *Chapter 7*

### **Section 7.2.4 Updates – CAVs**

- Section 7.2.4 was updated to add in material and references to CAVs and related scenario development work.
- Some minor text updates and corrections throughout the chapter were also done.

## *Chapter 10*

### **Appendix 10A – Auxiliary Lanes**

- The weaving lane section was updated to properly calculate the freeway through flow.

## *Chapter 11*

### **Updating Chapter 11 freeway materials for HCM 7<sup>th</sup> Edition CAV**

- The freeway analysis portions of Chapter 11 and related Appendices 11C & 11E were updated to HCM 7<sup>th</sup> edition including CAV guidance and references back to the future published Appendix 6B.
- Also includes a new version (v1.1) of the ODOT (CAF) Software Calculator on the Technical Tools page.

## *Chapter 12*

### **Chapter 12 Update – CAVs**

- Sections 12.3.1 (TWSC), 12.3.2 (AWSC), and 12.3.4 (Roundabouts) were updated to add CAV guidance and references back to the future published Appendix 6B.
- The HCM methodology for roundabouts was updated to HCM 7<sup>th</sup> Edition.

## *Appendix 12-13A*

### **Appendix 12-13A Update – CAVs**

- Appendix 12-13A was updated to add CAV guidance and references back to the future published Appendix 6B.
- HCM version references were also updated throughout.

## *Chapter 13*

### **Chapter 13 Update – CAVs**

- Section 13.4.1 Saturation Flow were updated to add CAV guidance and references back to the future published Appendix 6B.
- Section 13.6 (Software Tools) had some minor updates to reflect current capabilities.

## *Chapter 15*

### **Section 15.4 Update – CAVs**

- Section 15.4 was updated to add in references to the CAV research and pooled fund study along with some minor text updates on current use of Vissim.

## *Chapter 17*

### **Section 17.3.1 Update – CAVs**

- Section 17.3.1 was updated was updated to add in material and references to CAVs and related scenario development work.
- The final scenario guidance background paper was added to the Supplemental Materials section of the APM website.

## *Chapter 19*

### **New Chapter 19 version**

- Chapter 19 was fully updated to Version 2 language with current documentation needs. The obsolete Appendices 19A1-3 & 19B1-3 were removed as they no longer reflect current documentation and were rarely viewed.

## **September 2023**

## *Chapter 6*

### **Chapter 6 Update – CAVs**

- Chapter 6 was updated to add in references to the new CAV Appendix 6B & 6C.
- Appendix 6B and 6C were added which cover the detailed guidance for using CAVs in future year analysis
- The HCM CAV Pooled Fund report was added to the Supplemental Documents page.

## **November 2023**

## *APM Version 2*

### **Front Matter updates**

- Updated Acknowledgements to reflect a new contributor

## *Chapter 12 & 13*

### **Appendix 12-13A – Sidra Optional Vehicle Class Adjustments**

- Appendix 12-13A was updated to add in new text and an example to how to adjust the optional bus and large truck vehicle class percentages to avoid over-stating impacts of these classes.