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|--------------------------------------|------------------------|---------|--|
| Chapter 1: General                   |                        |         |  |
| 1-2, 1-3                             | 1-2, 1-3               | 1.2     | Updated various outdated hyperlinks; added link to traffic signal general notes  |
| 1-6                                  | 1-6                    | 1.3     | Removed Department of Support Service - Communications from review list  |
| 1-7, 1-8                             | 1-7, 1-8               | 1.5     | Updated submittal checklists:<br><ul style="list-style-type: none"> <li>- Minor updates to wording</li> <li>- Added existing pole mounted and overhead signs to Stage 1</li> <li>- Added list of anticipated pay items (descriptions only) to Stage 2</li> <li>- Moved notes from Stage 3 to Stage 2</li> <li>- Added temporary signal and/or temporary signal modifications to Stage 2</li> <li>- Moved SWISS calculations from Stage 2 to Stage 3</li> <li>- Added typical pole orientation and elevation details to Stage 3</li> <li>- Added span diagram to Stage 3</li> </ul> |
| Chapter 2: Plan Preparation          |                        |         |  |
| 2-6                                  | 2-6                    | 2.2     | Clarified location of sample plans.  |
| 2-6                                  | 2-6                    | 2.2.1   | Updated means of obtaining traffic signal notes (now via the DPS website).   |
| 2-6                                  | 2-6                    | 2.2.4   | Revised guidance on use of 20-scale or 10-scale for plan view sheet. Included controller cabinet among items that are to be drawn to scale.  |
| 2-8                                  | 2-8                    | 2.2.6   | Deleted "optional" from signal support elevation detail.   |
| 2-8                                  | 2-8                    | 2.3     | Removed reference to ODOT Item Master.   |
| 2-8 - 2-12                           | 2-8 - 2-12             | 2.3     | Various updates to list of pay items.  |
| Chapter 3: Temporary Traffic Signals |                        |         |  |
| 3-6                                  | 3-6                    | 3.4     | Updated temporary signal head backplate policy.  |
| Chapter 4: Supports and Foundations  |                        |         |  |
| 4-3, 4-4                             | 4-3, 4-4               | 4.1.4.2 | Revised guidance on choosing the appropriate span configuration.   |
| 4-6                                  | 4-6                    | 4.2     | Clarified use of unused capped conduit ell and corrected references to pole fab chart figures.   |
| 4-9                                  | 4-9                    | 4.3.4   | Updated references to current editions of the NEC and NESC beneath Table 4.1. Clarified that overhead clearances apply to all conductive components of a signal installation.  |
| -                                    | 4-9                    | 4.3.4   | Added guidance for clearance to communication lines. Clarified responsibility for identifying and addressing overhead utility conflicts and notifying utility owners of any necessary relocations.   |
| 4-11                                 | 4-11                   | 4.4.1   | Corrected page reference of pole callout examples.   |
| 4-13                                 | 4-13                   | 4.4.2   | Figure 4.1: Removed "A" designation from mast arm reference.   |
| 4-14, 4-15                           | 4-14, 4-15             | 4.4.2   | Figures 4.2 & 4.3: Removed "Mast Arm A" from Index Line column heading. Clarified Pole Fabrication Angles section heading  |
| Chapter 5: Vehicular Signals         |                        |         |  |
| 5-22, 5-30, 5-31, 5-34               | 5-22, 5-30, 5-31, 5-34 | 5.2.4.2 | Figures 5.17, 5.25, 5.26, and 5.29: Clarified use of R10-10R "Right Turn Signal" sign.   |
| Chapter 6: Pedestrian Features       |                        |         |  |
| Chapter 7: Intersection Wiring       |                        |         |  |
| 7-1                                  | 7-1                    | 7.2     | Corrected link and reference to the Traffic Qualified Products List.   |

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| 7-2, 7-3                           | 7-2, 7-3     | 7.3     | Grounding and Bonding wiring examples, Figures 7.1 & 7.2: removed non-metered option; corrected ground rod location on meter cabinet.  |
| 7-10                               | 7-10         | 7.5.1   | Added instruction on how to size messenger wire.   |
| 7-15                               | 7-15         | 7.8     | Table 7.5: Updated references to most current versions of NEC and NESC.  |
| 7-16, 7-17                         | 7-16, 7-17   | 7.9     | Wiring Diagram examples Fig. 7.6 and 7.7: removed non-metered option, added UPS scenario.  |
| Chapter 8: Traffic Signal Signs    |              |         |  |
| Chapter 9: Vehicle Detection       |              |         |  |
| 9-7, 9-8                           | 9-7, 9-8     | 9.3.1.1 | Fig. 9.4 & 9.5: corrected left turn signal head type to match zone placement on minor street approaches.   |
| 9-10                               | 9-10         | 9.3.1.2 | Fig. 9.7: corrected left turn signal head type to match zone placement on minor street approaches.   |
| Chapter 10: Power Service          |              |         |  |
| 10-2                               | 10-2         | 10.1    | Revised paragraph regarding use of power meters. Meters are now required when power source is owned by Columbus Division of Power.   |
| 10-2                               | 10-2         | 10.2    | Added guidance regarding attaching service cable to signal poles.  |
| 10-3                               | 10-3         | 10.3    | Removed reference to non-metered power.  |
| 10-3                               | 10-3         | 10.4    | Revised guidance for power meter cabinet placement.  |
| 10-4                               | 10-4         | 10.6    | Revised guidance for voltage drop calculation.   |
| Chapter 11: Controller / Cabinet   |              |         |  |
| Chapter 12: Interconnect           |              |         |  |
| 12-1                               | 12-1         | 12.1    | Added references to Supp.Spec.1620 and CMSC 633 and 733. Corrected link and reference to Traffic Qualified Product List. Updated description and status of the Columbus Traffic Signal System. |
| 12-2 - 12-11                       | -            | 12.4    | Removed section on coax system. Subsequent sections renumbered.  |
| 12-11                              | 12-2         | 12.4    | Deleted statement that notes for closed loop system will be provided by DPS.   |
| 12-12                              | 12-3         | 12.5.1  | Added reference to Supplemental Specification 1620.  |
| 12-14                              | 12-5         | 12.5.3  | Table 12.1 (formerly Table 12.6): Added note stating that 144-splice clamshell and dome enclosures shall not be used for permanent installations.  |
| 12-15                              | 12-6         | 12.5.4  | Updated text and Figure 12.1 to change termination type from LC-UPC to LC-APC  |
| 12-16 - 12-18                      | 12-7 - 12-9  | 12.5.5  | Updated text and Figures 12.2-12.3 to reflect new redundancy methodology.  |
| 12-24, 12-25                       | 12-15, 12-16 | 12.6    | Figures 12.8 and 12.9: Added guidance regarding coordination with Dept. of Technology and splicing of DoT buffer tubes.  |
| 12-30                              | 12-21        | 12.7    | Revised sentence about the use of wireless radio in lieu of fiber optic cable. Updated wireless radio cable type.  |
| -                                  | 12-23,12-24  | 12.10   | Added new section 12.10: Relocation and Reuse of Existing CTSS Fiber Optic Interconnect Cable.   |
| Chapter 13: Underground Facilities |              |         |  |
| 13-1                               | 13-1         | 13.1    | Corrected link and reference to Traffic Qualified Products List.   |
| -                                  | 13-4 - 13-6  | 13.3.1  | Added explanation of trench pay items and new Table 13.4: Pay Items for Signal and Interconnect Trench   |
| 13-10                              | 13-12        | 13.5.2  | Replaced reference to modified conduit riser plan detail with reference to Standard Drawing 4602.  |

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| 13-16   | 13-18        | 13.8.1  | Corrected numbering of conduit bank examples.   |
| Chapter 14: Removal and Reuse of Traffic Signal Installations |              |         |   |
| 14-2  | 14-2         | 14.2    | Table 14.1: Clarified material and size of pull box lids, frames, and castings; revised/clarified description of CCTV camera/traffic flow monitor, Layer 2 ethernet switch, and ethernet transceivers; revised delivery address for fiber optic interconnect items. |
| Chapter 15: Timing / Phasing                                  |              |         |   |
| 15-10, 15-11  | 15-10, 15-11 | 15.2.3  | Clarified language regarding analyses related to left turn phasing. Added paragraphs addressing permitted left turn phasing and sight distance.   |
| 15-13   | 15-13        | 15.2.5  | Removed reference to Standard Drawing 4332 (defunct).   |
| 15-13   | 15-13        | 15.2.6  | Revised sentences regarding overlapping paths to include misaligned left turn lanes.  |
| 15-15, 15-16  | 15-15, 15-16 | 15.3    | Fig. 15.6 and 15.7: Changed field wiring hookup chart to show red flash for all heads.  |
| 15-17   | 15-17        | 15.3    | Fig. 15.8: corrected the WB left turn arrow in the Ph.2 + Ph.5 circle (made protected)  |
| 15-19   | 15-20        | 15.3    | Fig. 15.10: corrected the NB left turn arrow in the Ph.1 + Ph.6 circle (made protected)   |
| Chapter 16: Special Conditions                                |              |         |   |