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|---|------------|----------------------|---|
| Chapter 1: General                                  |            |                      |   |
| 1-2   | 1-2        | 1.2                  | Eliminated reference to Supplemental Spec 1100.   |
| 1-3   | 1-3        | 1.2                  | Updated reference to new City of Columbus ADA Rules and Regulations.  |
| 1-6   | 1-6        | 1.5                  | Moved the design field meeting to post Stage 1 review.  |
| 1-7, 1-8  | N/A        | N/A                  | Eliminated pre-design field meeting checklist.  |
| 1-9   | 1-7        | 1.5                  | Added proposed interconnect conduit to Stage 1 submittal requirements.  |
| 1-10  | 1-8        | 1.5                  | Stage 2 Checklist: Clarified that conduit and wiring callout info is needed for both signal and interconnect conduit. Added grounding and bonding diagram and legend. Rephrased interconnect splicing details/devices checklist item. |
| Chapter 2: Plan Preparation                         |            |                      |   |
| 2-8   | 2-8        | 2.3                  | Eliminated temporary video detection pay item. Payment for temporary detection will be included in Work Zone Traffic Signal pay item.   |
| 2-8   | 2-8        | 2.3                  | Removed "Concrete" from description for 48" pull boxes.   |
| N/A   | 2-9        | 2.3                  | Added pay items for No. 6 and No. 8 distribution cable for combination lighting.  |
| 2-9   | 2-9        | 2.3                  | Updated pay item description for LED luminaire.   |
| 2-10  | 2-10       | 2.3                  | Changed pay item description for Accessible Pedestrian Signal to match the As Per Plan note.  |
| 2-10  | 2-10       | 2.3                  | Corrected item description for radar detection items (added "System").  |
| 2-10  | 2-10       | 2.3                  | Updated pay items for signal support foundations and pedestal foundation and added pay item for pre-excavation.   |
| 2-11  | 2-11       | 2.3                  | Updated item description for power meter cabinet (removed dimensions).  |
| 2-9   | 2-11       | 2.3                  | Conduit risers for power changed to 725.053 (SCH 80) and to a 632 item.   |
| 2-9   | 2-11       | 2.3                  | Modified conduit risers for interconnect cable changed to 725.04 and to a 632 item.   |
| 2-12  | 2-12       | 2.3                  | Updated item description for termination panel to match current spec. (Drop cable is now a separate pay item.)  |
| 2-12  | 2-12       | 2.3                  | Updated pay items for controller cabinets to reflect new TS-2 sizes.  |
| 2-12  | 2-12       | 2.3                  | Updated item description for UPS to match plan note.  |
| 2-12  | 2-12       | 2.3                  | Removed pay item for current present detector.  |
| Chapter 3: Temporary Traffic Signals - NO REVISIONS |            |                      |   |
| Chapter 4: Supports and Foundations                 |            |                      |   |
| 4-1   | 4-1        | 1st paragraph        | Eliminated reference to Supplemental Spec 1100.   |
| 4-1   | 4-1        | 4.1                  | Eliminated the requirement to use mast arms on all new signal installations; support type is now determined by project scope.   |
| 4-2   | 4-2        | 4.1.2                | Added guidance on application of combination lighting.  |
| 4-4   | 4-4        | 4.1.5                | Added clarification for the handhole/transformer base door alignment for pedestrian pedestals.  |
| 4-4   | 4-4        | 4.1.5.2              | Added language to clarify policy that 10.7' pedestals should be installed in pushbutton-compliant locations.  |
| 4-6   | 4-6        | 4.2.1                | Added guidance on the application of the modified deep signal pole foundation.  |
| 4-6   | 4-6, 4-7   | 4.2.2                | Added guidance for pedestals installed at the back of walk and the 18" formed top pedestal foundation.  |
| 4-6   | 4-8        | 4.3.3                | Reduced signal pole foundation clearance requirements to 3' when deep foundations are used.   |
| 4-8   | 4-10       | 4.3.5                | Updated reference to new City of Columbus ADA Rules and Regulations.  |
| 4-9, 4-10   | 4-11, 4-12 | 4.4.1                | Added depth of deep foundation to pole callout requirements (1st paragraph). Added deep foundation and 18" formed top pedestal foundation examples.   |
| 4-11, 4-14  | 4-13, 4-16 | Fig. 4.1<br>Fig. 4.4 | Replaced reference to Sec 5.2.3 with actual signal head clearance values.   |
| 4-12  | 4-14       | Fig. 4.2             | Corrected pole fab handhole angle for ped pedestals to 0 degrees. Revised typical mast arm attachment heights and pole heights to 19.5' and 21', respectively.  |
| 4-13  | 4-15       | Fig. 4.3             | Corrected pole fab handhole angle for ped pedestals to 0 degrees. Revised typical mast arm attachment heights to 19.5'.   |
| 4-14  | 4-16       | Fig. 4.4             | Updated title of figure to include pedestals.   |

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| <b>Chapter 5: Vehicular Signals</b>             |             |                         |  |
| 5-1   | 5-1         | 5.1.1                   | Eliminated reference to Supplemental Spec 1100.  |
| 5-5   | 5-5         | 5.2.4.1                 | Updated figure reference.  |
| 5-14, 5-15                                      | 5-14, 5-15  | Fig. 5.9<br>Fig. 5.10   | R10-11C sign added to top and bottom scenario. Moved R10 sign to left of 5-section head in middle scenario.  |
| 5-19, 5-20                                      | 5-19, 5-20  | Fig. 5.14<br>Fig. 5.15  | Deleted "One Way Streets Only" from permissive scenario.   |
| 5-21  | 5-21        | Fig. 5.16               | Added R10-11C signs.   |
| 5-22  | 5-22        | Fig. 5.17               | Replaced R10-10R (Right Turn Signal sign) with R10-11C sign in the second scenario from the top. Corrected offset of R10-11C sign in top split phase scenario to 3'.   |
| 5-27  | 5-27        | Fig. 5.22               | Deleted Protected/Permissive Right Turn scenario. (Permissive LT heads and 5-section RT head not compatible on same approach.)   |
| N/A   | 5-39        | New Fig. 5.34           | Added offset LT Lane scenario that also includes an exclusive RT lane.   |
| N/A   | 5-40, 5-41  | New Figs. 5.35 and 5.36 | Added head placement scenarios for approaches with a bike lane.  |
| <b>Chapter 6: Pedestrian Features</b>           |             |                         |  |
| 6-1   | 6-1         | 6.1                     | Added language clarifying intent of providing a pedestal or signal pole in future APS compliant locations.   |
| 6-3   | 6-3         | 6.2                     | Updated text and removed CM-R10-3a sign from Figure 6.3 as a result of new ADA policy which no longer allows a pushbutton to be mounted on the front side of a pole when it is at the back of walk. Also updated figure to match revision to SCD 4230 where finger on sign points in direction of crosswalk. |
| 6-3   | 6-3         | 6.2.2                   | Updated references to new City of Columbus ADA Rules and Regulations.  |
| 6-4   | 6-4         | 6.3                     | Added clarification that conduit shall be stubbed to a future APS location when a pedestal or signal pole cannot be installed in the APS location.   |
| <b>Chapter 7: Intersection Wiring</b>           |             |                         |  |
| 7-1   | 7-1         | 7.2                     | Eliminated reference to Supplemental Spec 1100.  |
| 7-2, 7-3  | 7-2, 7-3    | Fig. 7.1<br>Fig. 7.2    | Modified grounding and bonding figures to include meter cabinet and ground/neutral bus terminal info on metered installations.   |
| 7-14  | 7-14        | 7.7                     | Revised control of street lighting to be done via photocells instead of current sensors.   |
| 7-16, 7-17                                      | 7-16, 7-17  | Fig. 7.6<br>Fig. 7.7    | Removed ground wire from 2/C #6 power cable item in the legend. Ground wire requirements are shown in Figures 7.1 and 7.2.   |
| 7-17  | 7-17        | Fig. 7.7                | Updated figure to include photocell instead of current sensor.   |
| <b>Chapter 8: Traffic Signal Signs</b>          |             |                         |  |
| 8-1   | 8-1         | 8.1                     | Deleted sentence stating that only regulatory signs are addressed in chapter 8.  |
| 8-1   | 8-1         | 8.2                     | Eliminated reference to Supplemental Spec 1100.  |
| 8-3   | 8-3         | 8.8                     | Minor text change.   |
| 8-6   | 8-5         | 8.13                    | Removed reference to specific pushbutton signs no longer used on poles at back of ramp or walk.  |
| N/A   | 8-6         | 8.16                    | Added new section discussing policy on overhead-mounted Turning Vehicles Yield to Pedestrians signs.   |
| N/A   | 8-6         | 8.17                    | Added new section discussing policy on Watch for Turning Vehicles sign.  |
| <b>Chapter 9: Vehicle Detection</b>             |             |                         |  |
| 9-1   | 9-1         | 9.1                     | Eliminated reference to Supplemental Spec 1100.  |
| 9-19 - 9-21                                     | 9-19 - 9-21 | Figs. 9.11 - 9.14       | Corrected reference to section 9.3.4.1 (detection zone setback distance).  |
| <b>Chapter 10: Power Service - NO REVISIONS</b> |             |                         |  |
| <b>Chapter 11: Controller / Cabinet</b>         |             |                         |  |
| 11-1  | 11-1        | 11.1                    | Eliminated reference to Supplemental Spec 1100.  |
| 11-1  | 11-1        | 11.1.2                  | Replaced TS-1 cabinet information with TS-2 cabinet information.   |

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| 11-2  | 11-1          | 11.1.2.1                 | Replaced TS-1 cabinet sizes with TS-2 cabinet sizes. Eliminated paragraph discussing when M36 (TS-1) cabinets could be used.   |
| 11-3  | 11-3          | 11.2                     | Eliminated reference to Supplemental Spec 1100.  |
| <b>Chapter 12: Interconnect</b>   |               |                          |  |
| 12-1  | 12-1          | 12.1                     | Eliminated reference to Supplemental Spec 1100.  |
| 12-13   | 12-13         | 12.6.3                   | Added language that full butt splices cannot be within 1000 ft of another full butt splice.  |
| 12-14   | 12-14         | 12.6.4                   | Replaced information on the preterminated drop cables and termination panels ("Gator Patches") with info on the independent termination panel and separate drop cable.   |
| 12-16   | 12-16         | 12.6.5                   | Removed references to sample plan sheets.  |
| 12-31   | 12-31         | 12.9                     | Added language that interconnect shall not be installed in private utility duct banks.   |
| <b>Chapter 13: Underground Facilities</b>   |               |                          |  |
| 13-1  | 13-1          | 13.1                     | Eliminated reference to Supplemental Spec 1100.  |
| 13-4  | 13-4          | 13.3.2                   | Eliminated language stating that open cut and encased conduit is the standard for all roadway and driveway crossings. Replaced with language describing when open cut and encased conduit will still be required.  |
| 13-5  | 13-5          | 13.3.3                   | Updated to allow drilling/boring of conduit under certain conditions. Removed jacked conduit as an option.   |
| 13-6  | 13-6          | 13.4.3                   | Added language that interconnect shall not be installed in private utility duct banks.   |
| 13-7  | 13-7          | Table 13.4               | Revised encasement requirement for signal cables. Added reference to section 13.3.2.   |
| 13-9  | 13-9          | 13.5.2                   | Corrected material spec for modified interconnect conduit riser to 725.04.   |
| 13-9  | 13-9          | 13.5.3                   | Corrected material reference for power service conduit risers to 725.053.  |
| 13-13   | 13-13         | 13.7.4                   | Revised 48" pull box usage policy. Added requirement that the pull box type shall be specified in the plan callout for 48" pull boxes.   |
| 13-13   | 13-13         | 13.7.5                   | Added requirement that a power pull box also be specified at the meter cabinet or controller cabinet for conduit runs over 75 ft.  |
| 13-15   | 13-15         | 13.8.1                   | Added callout example #8 for when power conduit is in the same bank as interconnect and signal conduit.  |
| <b>Chapter 14: Removal and Reuse of Traffic Signal Installations - NO REVISIONS</b> |               |                          |  |
| <b>Chapter 15: Timing / Phasing</b>   |               |                          |  |
| 15-2  | 15-2          | 15.1.4                   | Removed statement that pedestrian clearance times shall be rounded.  |
| 15-2  | 15-2          | 15.1.5                   | Added statement that pedestrian change times (flashing don't walk) must be rounded to the next whole second.   |
| 15-7  | 15-7          | 15.1.6                   | Changed the word "clearance" to "change" in last sentence of first paragraph.  |
| 15-8  | 15-8          | 15.1.8.2                 | Changed the passage time calculation to measure from the near detector to the stop line, not the near edge of the intersecting street.   |
| 15-8 - 15-10  | 15-8 - 15-10  | 15.1.8.2                 | Updated dilemma zone calculation examples per the above change.  |
| 15-10   | 15-10         | 15.2.1                   | Updated figure reference.  |
| 15-10, 15-11  | 15-10, 15-11  | 15.2.3                   | Updated policy on using protected only vs. protected/permissive left turn phasing.   |
| N/A   | 15-13         | 15.2.7                   | Added new section on overlap phasing.  |
| 15-13   | 15-14         | 15.3.1<br>15.3.2         | Updated figure references.   |
| 15-14 - 15-36   | 15-15 - 15-23 | Phasing Diagram Examples | Due to change to TS-2 cabinets, eliminated 3-phase and 4-phase examples. Updated 2-phase examples to reflect NEMA 8-phase numbering. Added right turn overlap to standard 8-phase examples (Figures 15.8 and 15.10). Updated phase numbering on lead/lag phasing examples. |
| 15-39, 15-40  | N/A           | Timing Chart Examples    | Eliminated 4-phase timing chart examples.  |
| <b>Chapter 16: Special Conditions - NO REVISIONS</b>                                |               |                          |  |