

Chapter	Page Number	Section	Proposed Changes	Technical Revision or Policy Related
1	Page 1-18	Section 1.9.2.B.2	Edit language for On-Site Criteria and Off-Site Criteria to be easier to read	Technical Revision
2	Page 2-1	Section 2.1.2	Move "Construction Traffic Control Plans" to Section 2.2.6 for more appropriate chapter location	Technical Revision
2	Page 2-2	Section 2.2.2	Change title from Public Improvement Construction Plans to Civil Construction Plans. More discussion needed	Technical Revision
2	Page 2-2	Section 2.2.3	Revise Section 8 to indicate "Landscape Plans to comply with Local Entity's current requirements"	Technical Revision
2	Page 2-3	Section 2.2.11	Mylar Requirements. "Refer to each Local Entity for the specific mylar requirements"	Technical Revision
2	Page 2-3	Section 2.2.13	Minor Field Change Request Form. Other jurisdictions may use. More discussion needed.	Technical Revision
2	Page 2-6	Section 2.3.2	Text removed and instead reference Loveland Municipal Code Title 18	Technical Revision
3	Page 3-1	Section 3.1.2	Change "Final Mylar Drawings" and update to keep up with technology updates. More discussion on electronic scan of mylars needed	Technical Revision
3	Page 3-1	Section 3.1.3	Vertical Datum. Change to "Local Entity's Vertical Datum"	Technical Revision
3	Page 3-1	Section 3.1.4	Expiration of Plan Set - Change title to be consistent with what title is decided for Section 2.2.2	Technical Revision
3	Page 3-2	Section 3.2.2	22"x34" Plans as an option so 11"x17" can be true half-size	Technical Revision
3	Page 3-4	Section 3.2.6	Remove "wet stamped" plan requirements & allow electronic PE stamps per Colorado Board of Registration requirements	Technical Revision
3	Page 3-4	Section 3.2.7	Instead of 1"=30' for all Signing & Striping Plans. "Plans should be legible as determined by the Local Entity Engineer"	Technical Revision
3	Page 3-4	Section 3.2.7	Remove scale requirements for Key Map & Vicinity Map. Instead Key Map & Vicinity Map shall be legible	Technical Revision
3	Page 3-4	Section 3.2.12	Legend of Symbols. Each symbol & linetype should be on the cover sheet or each sheet	Technical Revision
3	Page 3-5	Section 3.3.1	Identification Statement. For Loveland, use signature block instead	Technical Revision
3	Page 3-5	Section 3.3.2	Preamble (Project Title) - Layout doesn't follow what FC uses for Utility Plans. Does FC need their own section? More discussion needed	Technical Revision
3	Page 3-9	Section 3.3.4.A.7	Add language "shall conform to local, state, and federal requirements including SB18-167"	Technical Revision
3	Page 3-9	Section 3.3.4.D	Cross-Sections - Two sections (e, and f) should be COL only.	Technical Revision
5	Page 5-2	Section 5.2.1.C	Lower values to have a liquid limit greater than 30 and a plasticity index greater than 15 for higher quality fill for ROW grading. Fort Collins only	Technical Revision?
5	Page 5-4	Section 5.4.1	Fix reference error and reference Table 5.1	Technical Revision
5	Page 5-5	Section 5.5.1	Change PICPs to "Civil Construction Plans"	Technical Revision
5	Page 5-6	Section 5.6.1.B	The requested waiver shall be signed and stamped by a Colorado Professional Engineer	Technical Revision
5	Page 5-7	Section 5.6.2.A.9	Remove low impact development systems from #5 and add to #6. Add low impact development systems, over-watering lawns, subsurface irrigation, etc.	Technical Revision
5	Page 5-7	Section 5.6.2.A.9.B	Loveland will check with utilities to see if drain lines may be installed with sanitary sewer trench. I believe Loveland utilities recently said no.	Technical Revision
6	Page 6-1	Section 6.1.1.E	Change to "Construction Management Plans (Fort Collins only)". Also do we want to include F. "Lane rental fees (Fort Collins only)"	Technical Revision?
6	Page 6-2	Section 6.1.1.F	Hazardous Materials. Changed wording to "All moving of hazardous materials must be permitted through the State of Colorado"	Technical Revision
6	Page 6-2	Section 6.1.1.I	Delete section	Technical Revision
6	Page 6-2	Section 6.1.2	Add language that indicates Blasting Permits are to be acquired through the local Fire Authority	Technical Revision
6	Page 6-4	Section 6.1.7.A.6	Add language to Refer to Chapter 25, Reconstruction and Repair for additional information	Technical Revision
6	Page 6-4	Section 6.1.7.A.11	Change notification from 24 hours to 48 hours. Fort Collins to check	Technical Revision
6	Page 6-5	Section 6.1.7.B.1	"Plan" changed to "Traffic Control Plan (Plan)"	Technical Revision
6	Page 6-5	Section 6.1.7.B.3	"Engineer" changed to "Local Entity Engineer"	Technical Revision
6	Page 6-5	Section 6.1.7.B.7	Change text from "One Call" to "Colorado 811"	Technical Revision
6	Page 6-6	Section 6.1.7.B.7	"Engineer" changed to "Local Entity Engineer"	Technical Revision
6	Page 6-6	Section 6.1.7.B.8	"Faxing" changed to "emailing"	Technical Revision
6	Page 6-7	Section 6.1.8.A	Stop work fine changed from a specific dollar amount to "Per the Local Entity's requirements"	Technical Revision
6	Page 6-7	Section 6.1.8.B	Title changed to "Mitigation Expenses for Unsafe or Untimely Performance"	Technical Revision
6	Page 6-8	Section 6.1.9.A	Text changed to "Developer is responsible to provide insurance prior to any work"	Technical Revision
6	Page 6-9	Section 6.1.10	Loveland to be included in Licensing. "Licensing in Fort Collins and Loveland (City Limits)"	Technical Revision
6	Page 6-10	Section 6.2.1	Delete Appendix E-5 reference	Technical Revision
6	Page 6-11	Section 6.2.2.4	Public Improvements Opinion of Cost are to be signed and stamped by a P.E.	Technical Revision
6	Page 6-11	Section 6.2.3	Separate preconstruction meetings for utilities, if needed, are the responsibility of the Developer to coordinate	Technical Revision
6	Page 6-11	Section 6.2.3.4	Text changed to "For the items required prior to the DCP meeting, contact the Local Entity Engineer..."	Technical Revision
6	Page 6-12	Section 6.2.4	Delete 1. A. Already covered in the routing process.	Technical Revision
6	Page 6-13	Section 6.2.4	Added "DCP" text to 11 and 12 (i.e., "Applicant's signature on the DCP")	Technical Revision
6	Page 6-13	Section 6.2.5	Wording changed to improve grammar. "DCP" text also used instead of "permit"	Technical Revision
6	Page 6-14	Section 6.2.6.B	Reference surety agreement	Technical Revision
6	Page 6-14	Section 6.2.6.C	Reduction of the surety based on the level of completion of the project	Technical Revision
6	Page 6-14	Section 6.2.6.C.3	"Engineering Division" changed to "Local Entity Engineer"	Technical Revision
6	Page 6-15	Section 6.3.1	"Public Improvement Construction Plans" changed to "Civil Construction Plans"	Technical Revision
6	Page 6-15	Section 6.3.2	Text changed to "The permit application and information is available on the Local Entity's website"	Technical Revision
6	Page 6-17	Section 6.4	Removed text and instead reference to contract the local entity for the revocable encroachment permit application	Technical Revision
6	Page 6-17	Section 6.5.1	Refer to local entity for permit requirements	Technical Revision
6	Page 6-18	Section 6.5.2.A	Notification of house move changed from 24 hours to 72 hours. Also applicant required to obtain all necessary permits.	Technical Revision
6	Page 6-19	Section 6.6	Text added. Permit issued for a single move, which can contain multiple structures.	Technical Revision
6	Page 6-20	Section 6.6.A	"Floggers" changed to "flaggers"	Technical Revision
6	Page 6-21	Section 6.6.B	Stockpiling Permit text removed. Instead refer to Local Entity for permit application and requirements	Technical Revision
6	Page 6-22	Section 6.7	Deleted text on fees. Instead refer to Local Entity for current requirements and fees	Technical Revision
7	Page 7-1	Section 7.1.1	Landscaping - Adding language on Waterwise Landscaping	Technical Revision
7	Page 7-1	Section 7.1.2	Signs shall be placed at the end of roads planned for future road extensions	Technical Revision
7	Page 7-3	Section 7.2.3.B	No direct access to residential driveways from Collector Streets (Loveland only)	Technical Revision?
7	Page 7-4	Section 7.4.1.A.2	Minimum Tangent Length. In constrained or re-developed areas allowed some flexibility on the minimum tangent length (see text)	Technical Revision
7	Page 7-7	Table 7-2	Table 7-2 Loveland. Detached sidewalks required for all streets other than alleys. 28' wide FL-FI for primary access alleys	Policy Revision?
7	Page 7-7	Table 7-2	Restrict direct access on Minor Collector Streets for residential driveways	Technical Revision?
7	Page 7-8	Table 7-3	Table 7-3 Fort Collins. Use current AASHTO K values for stopping sight distance	Technical Revision
7	Page 7-8	Table 7-3	Table 7-3 Fort Collins. Use current AASHTO K values for vertical curves	Technical Revision
7	Page 7-10	Table 7-4	Table 7-4 Loveland. Loveland to use current AASHTO K values?	Technical Revision
7	Page 7-11	Table 7-5	Min. Arc Length for Lanes and primary access alleys = 100'	Technical Revision
7	Page 7-12	Section 7.4.1.B.2	Minimum Flowline Grades. Minimum FL grade of cul-de-sacs shall be 1.0 percent	Technical Revision
7	Page 7-12	Section 7.4.1.B.3	Grade Breaks. Change from 0.4 percent to 0.5 percent	Technical Revision
7	Page 7-12	Section 7.4.1.B.6	Vertical Clearances. Minimum vertical clearance changed from 13.5 feet to 16.5 feet	Technical Revision
7	Page 7-13	Section 7.4.1.C.1	Stopping sight distance changed to be consistent with latest AASHTO requirements	Technical Revision
7	Page 7-13	Table 7-6	Stopping and Passing sight distance changed to be consistent with latest AASHTO requirements	Technical Revision
7	Page 7-16	Section 7.5.1.D	All barrier curb shall be full depth and not glue down unless otherwise approved by the Local Entity Engineer	Technical Revision
7	Page 7-19	Section 7.6.A.C	Temporary turnarounds shall be paved or an all-weather recycled asphalt surface as approved by the Local Entity Engineer	Technical Revision
7	Page 7-20	Section 7.7.2	Subdrains systems must be owned and maintained by a private party other than the Local Entity	Technical Revision
7	Page 7-20	Section 7.7.3.C.1.8	Subdrain designer required to show location of proposed subdrains and plan to avoid conflicts (i.e. Tree roots, etc.)	Technical Revision
7	Page 7-23	Section 7.8.4	Vertical Clearance. Change from 13.5 feet to 14.0 feet.	Technical Revision
7	Figure 7-1F	Figure 7-1F	Added striped buffered bike lane and protected bike lane options	Policy Revision?
7	Figure 7-2F	Figure 7-2F	Added striped buffered bike lane and protected bike lane options	Policy Revision?
7	Figure 7-2F	Figure 7-2F	Added striped buffered bike lane and protected bike lane options	Policy Revision?
7	Figure 7-3F	Figure 7-3F	Added striped buffered bike lane and protected bike lane options	Policy Revision?
7	Figure 7-4F	Figure 7-4F	Added Buffered bike lanes	Policy Revision?
7	Figure 7-5F	Figure 7-5F	Added Buffered bike lanes	Policy Revision?
7	Figure 7-6F	Figure 7-6F	Added Buffered bike lanes. Added 5' (min.) sidewalk width and 8' (min.) parkway width	Policy Revision?
7	Figure 7-7F	Figure 7-7F	Added 5' (min.) sidewalk width and 8' (min.) parkway width	Policy Revision?
7	Figure 7-8F	Figure 7-8F	Added 5' (min.) sidewalk width and 8' (min.) parkway width	Policy Revision?
7	Figure 7-9F	Figure 7-9F	Added 5' (min.) sidewalk width	Policy Revision?
8	Page 8-2	Section 8.2.5	Added definition of vph to "Definitions of Terms" in Section 1.7	Technical Revision
8	Page 8-3	Section 8.2.6.C	Modified text in Section C to further describe Figure 8-19	Technical Revision
8	Page 8-3	Section 8.2.7.B	Modified text in Section B from "want" to "recommend"	Technical Revision
8	Page 8-4	Section 8.2.8.B	Refer to Local Entity Engineer for which Bus turning template to use	Technical Revision
8	Page 8-5	Section 8.2.10.C	Refer to LCUASS Appendix I for roundabout turning template requirements	Technical Revision
8	Page 8-6	Section 8.2.10.8.3	Glue-down Curb. Change text from "left-turn lane" to "auxiliary lane" to leave possibilities open	Technical Revision
8	Page 8-7	Section 8.2.14.B	Reworded text to read better	Technical Revision
8	Page 8-8	Section 8.2.16	Roadway Narrowing may not be used on Major Collectors or Arterials without a Formal Variance per Section 1.9.4	Technical Revision
8	Page 8-8	Section 8.2.17	Roundabouts shall be designed in accordance with LCUASS Appendix I	Technical Revision
8	Page 8-11	Figure 9-1	Figure 9-1 Access Spacing is missing from the on-line drawing	Technical Revision
9	Page 9-7	Section 9.3.3	Section 9.3.3 Sight Distance - reference the latest AASHTO criteria	Technical Revision
9	Page 9-8	Section 9.3.7.E	Maximum cross slope per latest ADA requirements	Technical Revision
9	Page 9-9	Section 9.3.7.H	In Loveland, garage doors that face an alley shall not be in an area that is between 5 feet and 20 feet from the edge of pavement of the alley	Technical Revision
9	Page 9-10	Section 9.4.6.A	Driveways shall be concrete pavement within the public right-of-way	Technical Revision
9	Page 9-11	Section 9.4.10	Change in use updated to be consistent with CDOT State Highway Access Code (SHAC) criteria (20% or 100 total daily trips)	Technical Revision
10	Page 10-1	Section 10.2	Update to reference latest AASHTO. Reference Chapter 25 for borings	Technical Revision
10	Page 10-3	Table 10-1	Added a note 7 to the Min. Structural Number in Table 10-1	Technical Revision
10	Page 10-6	Section 10.4.2	Referenced 10-1 and deleted alternate composite section text	Technical Revision
10	Page 10-7	Section 10.4.2.A.1	Changes 1/2" to 0.5 inch (Typical)	Technical Revision
10	Page 10-9	Section 10.5.1.B.3	Referenced latest edition of the CDOT Pavement Design Manual	Technical Revision
11	Page 11-1	Section 11.1.2	Remove old AASHTO structural standards from list	Technical Revision
11	Page 11-2	Section 11.1.3.A	Working Stress Design (WSD) text modified	Technical Revision
11	Page 11-2	Section 11.1.3	Text modified to clarify for spans greater than 20 feet	Technical Revision
11	Page 11-3	Section 11.2.4.B.3	Pedestrian load reduced from 85 psf to 75 psf per AASHTO Manual	Technical Revision
11	Page 11-5	Section 11.2.5.B.2	Design live loads per AASHTO	Technical Revision
11	Page 11-8	Section 11.3.2	Railings per AASHTO	Technical Revision
12	Page 12-1	Section 12.1	City of Fort Collins is looking to revise this graphic showing utilities	Technical Revision
12	Page 12-1	Section 12.1.1	Add sentence for Loveland see the Water and Wastewater Development Standards latest edition	Technical Revision
12	Page 12-1	Section 12.2.3.A	Add language to adjust 1/4 inch below the finished surface per Drawing 1201	Technical Revision
12	Page 12-1	Section 12.2.3.B	Add language facilities located within the sidewalk should be ADA compliant	Technical Revision
12	Page 12-2	Section 12.2.5.A	Add language indicating PVC sleeves should extend from ROW to ROW	Technical Revision
12	Page 12-2	Section 12.2.5.D	Private utilities shall be outside of the public ROW unless otherwise approved by the Local Entity Engineer	Technical Revision
12	Page 12-5	Section 12.6.6	Delete Section A and B since they just refer to two sections	Technical Revision
12	Page 12-3	Section 12.2.6.C	Move this section to "Intersections"	Technical Revision
12	Page 12-4	Section 12.3.2.A	Refer to Local Entity's regulations for other systems (Cable TV, telephone, Broadband, Fiber Optic, Wireless Communications, etc.)	Technical Revision
12	Page 12-4	Section 12.3.2.C	Pole and sign locations shall conform to the MUTCD and AASHTO requirements	Technical Revision
12	Page 12-5	Section 12.3.3	Include fiber optics, broadband, wireless communications, etc.	Technical Revision
13	Page 13-3	Section 13.1	Update website link address	Technical Revision
13	Page 13-1	Section 13.2	Update website link address	Technical Revision
13	Page 13-2	Section 13.2	Include Fort Collins website link address	Technical Revision
13	Page 13-2	Table 13-1	Change title to "Standardization of Road Naming Criteria"	Technical Revision
14	Page 14-11	List of Figures	Update List of Figures to contain figures referenced in the text	Technical Revision
14	Page 14-3	Section 14.2.1.B.2	Streetlight fixtures as approved by the Local Entity	Technical Revision
14	Page 14-7	Section 14.3.1.1	Ped buttons per ADA Standards	Technical Revision
14	Page 14-7	Section 14.3.1.F	Signs shall comply with the MUTCD	Technical Revision
14	Page 14-7	Section 14.3.2.B	Add text to include detached sidewalk	Technical Revision
14	Page 14-9	Section 14.3.3.E	Also reference CDOT guide	Technical Revision
14	Page 14-11	Section 14.4.2.G	Coordinate with Appendix I to match roundabout signing and striping standards	Technical Revision
15	Page 15-1	Section 15.1.2	Replaced "3300 design electrical deposit" with "required electrical design deposit"	Technical Revision
16	Page 16-1	Section 16.1.2	Add Standards for Transportation Facilities as Published by the US Access Board and the Guidance on the 2010 Standards for Accessible Design	Technical Revision
16	Page 16-2	Section 16.2.1.D	Loveland to remove Industrial areas exception for sidewalk upgrades and replace with unless otherwise approved by the Local Entity Engineer	Technical Revision
16	Page 16-2	Section 16.2.1.G	Change sidewalk thickness to "G" minimum. This was missed in the previous update.	Technical Revision
16	Page 16-2	Section 16.2.1.H	Change 1/4 inch per foot cross slope to less than or equal to 2%	Technical Revision
16	Page 16-3	Section 16.2.1.H.3	added "ramp" to text for clarity	Technical Revision
16	Page 16-3	Section 16.3.1.A.2	Added text "Driveways shall be positioned as to not preclude the necessary mid-block ramp"	Technical Revision
16	Page 16-5	Section 16.6.2	Added accessible paths to the text	Technical Revision
17	Page 17-1	Section 17.1	Included MUTCD and NACTO "Urban Bikeway Design Guide" in references	Technical Revision
17	Page 17-1	Section 17.1.6	Replace "utility" with "requirements and"	Technical Revision
17	Page 17-2	Section 17.2.1	Included protected bike lanes on arterial roadways in Fort Collins	Technical Revision
17	Page 17-3	Section 17.2.4	Added bicycle detection text	Technical Revision
17	Page 17-4	Section 17.2.5	Text revisions for bike facilities at intersections	Technical Revision
17	Page 17-4	Section 17.3.1.B	Changed text to be consistent with Figure 7-14	Technical Revision
17	Page 17-4	Section 17.3.2.A	Added text bike paths shall be routed to avoid the removal of any significant trees. Where possible bike paths should be a min. of 4' from trees	Technical Revision
17	Page 17-4	Section 17.3.2.C	Add text that clarifies that vegetative material to be removed does not include significant trees	Technical Revision
17	Page 17-6	Section 17.3.3.A	replace "utilities department" with "requirements and standards"	Technical Revision
17	Page 17-7	Section 17.3.10.C	Removed text indicating slopes greater than 6 percent	Technical Revision
17	Page 17-8	Section 17.3.11.B	Revised text on Pedestrian and Bicycle Crossings to be consistent with current practices	Technical Revision
17	Page 17-9	Section 17.3.15.A	Added text that curb ramps shall meet ADA requirements	Technical Revision
17	Page 17-10	Section 17.4.1.8	For private bike parking facilities refer to LMC (Loveland only)	Technical Revision
18	Page 18-1	Section 18.1	All traffic calming shall be approved by the local fire authority	Technical Revision
18	Page 18-1	Section 18.3	Added Appendix I reference for roundabouts	Technical Revision
18	Page 18-3	Section 18.3.4	Added Appendix I reference for mini roundabouts	Technical Revision
19	entire chapter	all sections	Misc. formatting identifications and text alignment to be consistent	Technical Revision
20	Page 20-1	Section 20.2	Remove opinion of cost items and reference form	Technical Revision
22	Page 22-9	Section 22.2.D.3	Flash fill may be used if approved by the City Engineer on a case-by-case basis	Technical Revision
22	Page 22-9	Section 22.2.3.E	Reference each local entity's specific bedding requirements	Technical Revision
22	Page 22-16	Section 22.4.A.8	Reference Chapter 25 for borings	Technical Revision
25	Page 25-1	Section 25.1.6.A	Renaming PICPs as Civil Construction Plan	Technical Revision
25	Page 25-5	Section 25.2.4	Flow fill will be required on soft surface potholing per the discretion of the Local Entity	Technical Revision
25	Page 25-6	Section 25.2.5.C.3.B	If there are multiple bore holes within an area, the Local Entity may require the area to be sawcut, removed and patched	Technical Revision
25	Page 25-8	Section 25.5.1.A	Temporary concrete patch may be used for winter patching of street cuts when temperatures are below requirements for asphalt patching	Technical Revision
25	Page 25-9	Section 25.5.1.1	The use of steel trench plates may be granted by the Local Entity. Asphalt or rubber trench plate ramps should be used with steel plates	Technical Revision
25	Page 25-11	Table 25-1	Minimum Patch Requirements. 6 foot minimum width on residential transverse patches	Technical Revision