

# CADD Production Criteria Handbook (CPCH)

FDOT2010 V8i Update

Record of Changes

NOTE: All Chapter header information updated to include: "Effective: March 18, 2011" and "FDOT2010 V8i Release"  
All Chapters updated for versioning of software.

Chapter	Section	Description
<b>1</b>	<i>Chapter 1</i>	Introduction
	1.1	<i>Bold and italicized "CADD Production Criteria Handbook"</i>
	1.2	<i>Added acronym (ECSO) after Engineering / CADD Systems Office</i>
	1.3	<i>Updated FDOT CADD Software versioning in paragraph three.</i>
<b>2</b>	<i>Chapter 2</i>	FDOT CADD Software
	2.1	<i>Added "Engineering / CADD Systems Office" before acronym (ECSO). Added "internet" before website in the first paragraph.</i>
	2.2	<i>Added "FDOT" before CADD Software in first paragraph. Added "internet" to the two link descriptions. Updated ECSO contact link in last paragraph. Added "internet" before website in the link information.</i>
	2.3	<i>Replaced Florida Department of Transportation Computer Aided Design and Drafting with acronym "FDOT CADD".</i>
	2.4	<i>Removed "Engineering / CADD Systems Office" in first paragraph. Added "FDOT" before CADD Software in first &amp; second paragraph and before CADD Customer Support Guide in the second paragraph.</i>
	2.5	<i>Removed "(FDOT2008)" from the first paragraph and added web link. Updated FDOT CADD Software versioning.</i>
	2.6	<i>Replaced "the Department" with "FDOT" in second paragraph.</i>
<b>3</b>	<i>Chapter 3</i>	Resource & Support Files
		NOTE: This chapter has been restructured and sections renumbered.
	3.1	Added new section: "GENERAL"
	3.2 <del>3.1</del>	CELL LIBRARIES
		Added new cell library: TTF_v8DesignStandards.cel - Structures Design Standards
		Removed cell libraries: Nut.cel; payitem.cel; v8supersect.cel
		Renamed the following cell libraries: 3deng.cel to 3D.cel - 3-Demensional Cells itseng.cel to its.cel - Intelligent Transportation Systems Signs lteng.cel to Lighting.cel - Lighting sgeng.cel to SignalPoles.cel - Signal Poles speng.cel to PavementMarking.cel - Pavement Markings tpsend.cel to Tollplaza.cel - Toll Plaza Signs tseng.cel to Signalization.cel - Signalization uteng.cel to utilities.cel - Utility v8semi-standards.cel to TTF_v8semi-standards.cel - Structures Standard Data Tables v8structures.cel to TTF_v8structures.cel - Structures
		Changed Description only: survey.cel - Survey Symbols for ROW syeng.cel - Survey Symbols for Roadway tplabels - Traffic Plans Labels
		Combined arrowsd.cel & arrowsm.cel into on cell library: arrows.cel - Distance and Guide Sign Arrows
	<del>3.2.1</del>	Zdotfont.rsc - Renamed to "Font Resource (Zdotfont.rsc) Table"; Removed heading numbering

Chapter	Section	Description
	<del>3.3</del> <del>3.9</del>	CONTROL FILES
	<del>3.3.1</del>	<del>Standard Text Sizes</del> Removed section heading only and incorporated content under section 3.3
	<del>3.4</del> <del>3.8</del>	DATABASE - Updated versioning of .ddb.
	<del>3.4</del>	DATA Removed section
	3.5	Renamed from "PLOT DRIVER DESCRIPTION" to "PRINTER DRIVER CONFIGURATION FILES"
		Added the following into the Plot Driver table: <u>Color FDOTPDF.pltcfg</u> N/A Creates a color .pdf file. (Raster Capable) Uses FDOT.TBL pen table. <u>Color Keysheet.pltcfg</u> ANY To be used when printing key sheets containing maps with filled shapes. <u>FDOT GrayExisting.tbl</u> N/A Pen table enters username, date time, sheet border path, and applies gray scale to files named like TOPO*, UTEX*, and DREX* <u>hpglrtl.pltcfg</u> Large Format Intended for use when printing large format monochrome sheets. (Raster Capable) <u>hpglrtl.c.pltcfg</u> Large Format Intended for use when printing large format
		FDOTbatchplt.spc - Added "(Only used with old Batch Print dialog. It is being replaced with Print Styles in MicroStation V8i)" to description.
	3.6	SEED FILES - < No Modifications>
	3.6.1	English 2D Seed File - < No Modifications>
	3.6.2	English 3D Seed File - < No Modifications>
	3.7	Added new section: "TEXT"
	<del>3.7.1</del> <del>3.2</del>	FONTS - Content rewriting for clarification of FDOT's adoption of True Type Font (ttf).
	3.7.1.1	Added new sub-section: "FDOT True Type Fonts"
	3.7.1.2	Added new sub-section: "MicroStation Fonts"
	<del>3.7.2</del> <del>3.3</del>	TEXT SIZE AND SPACING changed to "SIZE AND SPACING"
	<del>3.8</del> <del>3.7</del>	SYMBOLOLOGY renamed section heading to "LEVELS AND SYMBOLOLOGY"
	3.8.1	Added new section "Levels" and moved level information from RULE FILES section 3.9.
	<del>3.8.2</del> <del>3.7.2</del>	Color Tables
	<del>3.8.3</del> <del>3.7.3</del>	Line Styles changed to "Custom Line Styles"
	<del>3.8.3.1</del> <del>3.7.3.1</del>	Standard English Line Style Measurements for Plotting
	<del>3.8.3.2</del> <del>3.7.3.2</del>	FDOT Custom Line Style Resource File
		Updated descriptions and images on table.
	<del>3.8.3.3</del> <del>3.7.3.3</del>	Custom Line Style Graphics - Added "NOTE: Custom Line Styles are not assigned to levels."
		Changed the Line Style: hay_bales Description to: "Sediment Barrier - Synthetic"
		Changed the Line Style: silt_fence Description to: "Sediment Barrier - Silt Fence"
		Removed duplicate Line Style - Roadway; Survey & Mapping - exlite_cond1
		Removed duplicate Line Style - Roadway; Survey & Mapping - Fence1
	<del>3.8.4</del> <del>3.7.4</del>	Line Weight
	<del>3.9</del> <del>3.10</del>	RULE FILES changed to "STANDARDS RULE FILES"
		Moved level information to new section 3.8.1 Levels
		Updated Rule Descriptions on table.
	<del>3.10.1</del>	<del>FDOT Standard Graphic File Naming Convention</del> Removed section. Topic covered in Chapter 4.

Chapter	Section	Description
	<del>3.10.2</del>	FDOT Standard File Names, Descriptions and Associated Rule Files – Removed section. These are Discipline specific and covered in respective Discipline chapters.
	<del>3.10.3</del>	FDOT Standard Rule File Names & Descriptions Removed heading only and incorporated <i>FDOT Standard Rule File Names &amp; Descriptions</i> table into
		Added missing Rule File: <i>rwtdrd - Right of Way Detail for Roadway</i>
	3.9.1 <del>3.10.4</del>	FDOT Standard Levels by Rule File - Updated "Note" rule file information from "rweng08.rul" and "spst08.rul" -- to -- "rweng10.rul" and "spst10.rul",
	3.9.1.1 <del>3.10.4.1</del>	ALGNRD.rul - Added new non-critical level: ImageAttachment_dp
	3.9.1.2 <del>3.10.4.2</del>	AUTOSP.rul - Added new non-critical level: ImageAttachment_dp
	3.9.1.3 <del>3.10.4.3</del>	CLIPRD.rul - Added new non-critical level: ImageAttachment_dp
	3.9.1.4	CTLSRD.rul - Added missing rule file table (Allows All Levels): Survey Control Sheet for Right of Way.
	3.9.1.5 <del>3.10.4.4</del>	DRDTRD.rul - Added levels: PipeCulvert_ep
		Added additional style, silt_fence to SedimentBarrier
		Added new non-critical level: ImageAttachment_dp
	3.9.1.6 <del>3.10.4.5</del>	DREXRD.rul - Reinstated levels: LeaderLine_dp; PointLocator_ep; TextMisc; TextNotes
		Added new non-critical level: ImageAttachment_dp
	3.9.1.7 <del>3.10.4.6</del>	DRMPRD.rul - Added levels: PipeCulvert_ep
		Add additional style, silt_fence to SedimentBarrier
		Added new non-critical level: ImageAttachment_dp
		Added new non-critical level: matchlines_dp
	3.9.1.8 <del>3.10.4.7</del>	DRPRRD.rul - Add additional style, silt_fence to SedimentBarrier
		Added new non-critical level: ImageAttachment_dp
	3.9.1.9 <del>3.10.4.8</del>	DRXSRD.rul - Added levels: PipeCulvert_ep
		Added new non-critical levels RegionBdry_dp and ImageAttachment_dp
		Changed Level Overlay1_px ByLevel Co from 7 to 14
		Added new critical levels: Driveway_ex & Guardrail_ex
	3.9.1.10 <del>3.10.4.9</del>	DSGNLD.rul - Added new non-critical level: ImageAttachment_dp
	3.9.1.11 <del>3.10.4.10</del>	DSGNLT.rul - Added new non-critical level: ImageAttachment_dp
	3.9.1.12 <del>3.10.4.11</del>	DSGNRD.rul - Added "(Defines Changes in Pavement Cross Slope – Non-Plotting)" to level LaneLine description
		Added additional style, silt_fence to SedimentBarrier
		Added new non-critical levels: ImageAttachment_dp, RegionBdry_dp, and MatchLineMask_dp
		Added new critical level: Turf and removed "Turf" from description of level Sod.
		Added new non-critical level: EnvImpact_ep
	3.9.1.13 <del>3.10.4.12</del>	DSGNNG.rul - Added new non-critical level: ImageAttachment_dp
	3.9.1.14 <del>3.10.4.13</del>	DSGNNSP.rul - Added new non-critical level: ImageAttachment_dp
	3.9.1.15 <del>3.10.4.14</del>	DTMRD.rul - Added new non-critical level: ImageAttachment_dp
		Corrected Name to "Digital Terrain Model"
	3.9.1.16 <del>3.10.4.15</del>	GEOTECH.rul - Added new non-critical level: ImageAttachment_dp
	3.9.1.17 <del>3.10.4.16</del>	GSWKSP.rul - Added new non-critical level: ImageAttachment_dp
	3.9.1.18 <del>3.10.4.17</del>	IRRGLD.rul - Added new non-critical level: ImageAttachment_dp
	3.9.1.19 <del>3.10.4.18</del>	ITSSP.rul - Added new non-critical level: ImageAttachment_dp
	3.9.1.20 <del>3.10.4.19</del>	KEYSHT.rul - Removed level: LaneLine
		Added new non-critical level: ImageAttachment_dp
	3.9.1.21 <del>3.10.4.20</del>	MRARSP.rul - Added new non-critical level: ImageAttachment_dp
	3.9.1.22 <del>3.10.4.21</del>	PDXSRD.rul - Changed level Overlay1_px ByLevel Color from 7 to 14
		Added levels: PipeCulvert_ep

Chapter	Section	Description
		Added new non-critical levels: RegionBdry_dp and ImageAttachment_dp
		Added new critical levels: Driveway_ex and Guardrail_ex
	3.9.1.23 3-10.4.22	PLANRD.rul - Added new non-critical levels: MatchLineMask_dp and ImageAttachment_dp
		Added levels - RefPtAngleTie and RefPtLine
	3.9.1.24 3-10.4.23	PLPRRD.rul - Changed Level Overlay1_px ByLevel Co from 7 to 14
		Added level: PipeCulvert_ep
		Added new non-critical levels: MatchLineMask_dp and ImageAttachment_dp
		Changed levels Power_ep; PowerBur_ep; TransformerAer; TransformerBur Descriptions
	3.9.1.25 3-10.4.24	QTDSRD.rul - Added additional style, silt_fence to SedimentBarrier
		Added new non-critical level: ImageAttachment_dp
		Added new critical level: Turf and remove "Turf" from description of level Sod.
	3.9.1.26 3-10.4.25	RDXSRD.rul - Changed Level Overlay1_px ByLevel Co from 7 to 14
		Added level: PipeCulvert_ep
		Added new non-critical levels: RegionBdry_dp, MatchLineMask_dp, and ImageAttachment_dp
		Added new critical levels: Driveway_ex and Guardrail_ex
	3.9.1.27 3-10.4.26	RDXSSP.rul - Changed Level Overlay1_px ByLevel Co from 7 to 14
		Added level: PipeCulvert_ep
		Added new non-critical levels: RegionBdry_dp and ImageAttachment_dp
		Added new critical levels: Driveway_ex and Guardrail_ex
	3.9.1.28	RWDTRD.rul - Created new rule file (Right of Way Detail for Roadway) for the standard file name RWDTRD.dgn
	3.9.1.29 3-10.4.27	SPDTRD.rul - Added new non-critical level: ImageAttachment_dp
	3.9.1.30 3-10.4.28	TCDSRD.rul - Added additional style, silt_fence to SedimentBarrier
		Added new non-critical level: ImageAttachment_dp
		Corrected level name from TampBarrierWall to TempBarrierWall
		Added new critical level: Turf and removed "Turf" from description of level Sod.
	3.9.1.31 3-10.4.29	TOPORD.rul - Reinstated levels: RRBaseline, BaselineSurvey, CurveDataLabel_dp, StationTicL_dp, StationTicS_dp, TextMisc, TextBLStation, TextCurveData, TextLabel and RefPtText
		Reinstated Levels: LeaderLine_ep, PointLocator_dp and TextNotes
		Corrected level GuardrailDbl_ep ByLevel Style from 0 to grdbl
		Added new non-critical level: ImageAttachment_dp
		Added new non-critical level: EnvImpact_ep
	3.9.1.32 3-10.4.30	TOPORW.rul
		Added missing Features STRM and STRMC for level: Stream_ep
		Added new non-critical level: ImageAttachment_dp
		Added missing level: RRBaseline
		Added level 1182 WetlandEdge_ep with Co=2, St=wetland, Wt=0, Line, and Feature=MAR
		Removed level 1183 WetlandSym_ep with Co=2, St=0, Wt=0, Line, and Feature=MAR
		Changed level Power_ep Description
	3.9.1.33 3-10.4.31	TYPDRD.rul - Changed Level Overlay1_px ByLevel Co from 7 to 14
		Added level: PipeCulvert_ep
		Added new non-critical level: ImageAttachment_dp
		Added new critical level: Turf and removed "Turf" from description of level Sod.
	3.9.1.34 3-10.4.32	TYP SRD.rul - Changed Level Overlay1_px ByLevel Co from 7 to 14

Chapter	Section	Description
		Corrected name to "Typical Section Sheets"
		Added level: PipeCulvert_ep
		Added new non-critical level: ImageAttachment_dp
		Added new critical level: Turf and removed "Turf" from description of level Sod.
	3.9.1.35 <del>3.10.4.33</del>	UTADRD.rul - Added new non-critical level: ImageAttachment_dp
		Changed levels Power_ep; PowerBur_ep; TransformerAer; TransformerBur Descriptions
	3.9.1.36 <del>3.10.4.34</del>	UTEXRD.rul - Reinstated Levels: LeaderLine_ep, PointLocator_dp, TextMisc and TextNotes
		Added new non-critical level: ImageAttachment_dp
		Changed levels Power_ep; PowerBur_ep; TransformerAer; TransformerBur Descriptions
	3.9.1.37 <del>3.10.4.35</del>	UTPRRD.rul - Added new non-critical level: ImageAttachment_dp
		Changed levels Power_ep; PowerBur_ep; TransformerAer; TransformerBur Descriptions
<b>4</b>	<i>Chapter 4</i>	Project Directory Structure
	4.1	<i>Revised and broke content into additional sections for clarification.</i>
	4.1.1	<i>Broke out section for "Create Project Procedure"</i>
	4.1.2	<i>Broke out section for "Discipline Subdirectories"</i>
	4.1.3	<i>Broke out section for "Duplicate Files"</i>
	4.1.4	<i>Broke out section for "Custom Directories"</i>
	<del>4.1.1</del> 4.1.5	<i>Engineering Data Directory renumbered</i>
	<del>4.1.2</del> 4.1.6	<i>Renamed and renumbered "Sub-Directories Under the Discipline Directories"</i>
	<del>4.1.3</del> 4.1.7	<i>File Sharing and Merging renumbered</i>
	<del>4.1.4</del> 4.1.8	<i>Reference Files renumbered</i>
	<del>4.1.5</del> 4.1.9	<i>Standard Project Directory Format renumbered.</i>
	4.2	Added last paragraph for clarification of critical vs non-critical standard file names.
	<del>4.2.2</del> 4.2.1	Standard File Naming Convention - first paragraph reworded for clarification.
	<del>4.2.3</del> 4.2.2	Postscript Naming Convention restructured for clarification
	4.2.2.1	Broke out new section: "Sheet Numbers"
	4.2.2.2	Broke out new section: "Postscript File Naming Format"
	<del>4.2.1</del> 4.2.3	Standard File Name Extensions moved
<b>5</b>	<i>Chapter 5</i>	Project Indexing & Journaling
	5.1	Rewritten for clarification.
<b>6</b>	<i>Chapter 6</i>	Plotting & Postscript Image Files
	6.3	Updated "Note: ...for Surveyors, this Rule is 5J-17.062 .... for Architects, this Rule is 61G1-16.005 F.A.C."
		Second paragraph,, first sentence: removed "distributed on the FDOT CADD Software CD, and is" and changed "available for download on the internet." to "available for download from Engineering CADD Systems Office (ECSO) website."
	6.5	Last sentence, changed "drawable" to "printable"
<b>7</b>	<i>Chapter 7</i>	CADD Quality Assurance / Quality Control
	7.1	<i>Added statement addressing the allowance of 10 Exceptions to the FDOT CADD Standards.</i>
	7.5.2.6	<i>Added section for missing documentation for QCChecker</i>

Chapter	Section	Description
<b>8</b>	<i>Chapter 8</i>	Electronic Delivery Procedure
		Note: This chapter has been renumbered due to new section added.
		Changed all references to "Plans and Specs" to "Bid Set"
	8.2	Renamed "Plans & Specs CD" to " Bid Set" and added "Note that the files needed for this set remain in the folders where they were located in the project data set. All remaining empty folders are deleted for the Bid Set. The SetMaker application is typically used to create the Bid Set from the project data set."
	8.3	Added New Section: "Project Dataset Contrasted to the Bid Set"
	<del>8.3</del> 8.4	Renumbered 8.3 to 8.4
	<del>8.4</del> 8.5	Renumbered 8.4 to 8.5
	<del>8.4.1</del> 8.5.1	Renumbered 8.4.1 to 8.5.1
	<del>8.4.2</del> 8.5.2	Renumbered 8.4.1 to 8.5.2
	<del>8.5</del> 8.6	Renumbered 8.5 to 8.6
	<del>8.5.1</del> 8.6.1	Renumbered 8.5.1 to 8.6.1
	<del>8.5.2</del> 8.6.2	Renumbered 8.5.2 to 8.6.2
	<del>8.5.3</del> 8.6.3	Renumbered 8.5.3 to 8.6.3
	<del>8.5.4</del> 8.6.4	Renumbered 8.5.4 to 8.6.4
	<del>8.5.5</del> 8.6.5	Renumbered 8.5.5 to 8.6.5
	<del>8.5.6</del> 8.6.6	Renumbered 8.5.6 to 8.6.6
	<del>8.5.7</del> 8.6.7	Renumbered 8.5.7 to 8.6.7
	<del>8.5.8</del> 8.6.8	Renumbered 8.5.8 to 8.6.8
	<del>8.6</del> 8.7	Renumbered 8.6 to 8.7
	<del>8.6.1</del> 8.7.1	Renumbered 8.6.1 to 8.7.1
	<del>8.6.2</del> 8.7.2	Renumbered 8.6.2 to 8.7.2
	<del>8.6.3</del> 8.7.3	Renumbered 8.6.3 to 8.7.3
	<del>8.6.4</del> 8.7.4	Renumbered 8.6.4 to 8.7.4
	<del>8.7</del> 8.8	Removed diagrams for \12345675201rev1upp1 and 12345675201rev1 that included: <i>ProjectIndex.xml, Project1.pdf, Sheetndx1.htm</i>
	<del>8.8</del> 8.9	Renumbered 8.8 to 8.9
	<del>8.9</del> 8.10	Renumbered 8.9 to 8.10
<b>9</b>	<i>Chapter 9</i>	Right of Way Mapping CADD Standards
	9.1.4	Standard Text Fonts changed to true type fonts (.ttf).
	9.1.6	Removed Line Styles dialog image.
	9.1.8	Added new non-critical levels: ImageAttachment_dp and MatchLineMask_dp to RWENG10 symbology table.
		Added existing levels: 212-MapOutline_dp and 313-TextShtNo
	9.2.3	Under RW-Cells: replaced "Active Scale" with "Place Active Cell"
		Removed RW-Info section
	9.2.13	Removed from Note: ".Or from the QC Tool Box icon." and image.
	9.2.4	Numbered R/W Hot Boxes section
	<del>9.2.4</del> 9.2.5	Renumbered 9.2.4 to 9.2.5
	<del>9.2.5</del> 9.2.6	Renumbered 9.2.5 to 9.2.6
	9.2.6.1	Numbered RW Tab Sheet (AXIOM) section
	9.2.6.2	Numbered Create Cover Sheet > With Map(DGN) section
	<del>9.2.6</del> 9.2.7	Renumbered 9.2.6 to 9.2.7
	9.2.7.1	Numbered Modify Custom Line Styles section
	9.2.7.2	Numbered Leader Line, Tie Lines and Station/offset Lines section
	<del>9.2.7</del> 9.2.8	Renumbered 9.2.7 to 9.2.8
	<del>9.2.8</del> 9.2.9	Renumbered 9.2.8 to 9.2.9
	<del>9.2.9</del> 9.2.10	Renumbered 9.2.9 to 9.2.10
	<del>9.2.10</del> 9.2.11	Renumbered 9.2.10 to 9.2.11
	<del>9.2.11</del> 9.2.12	Renumbered 9.2.11 to 9.2.12

Chapter	Section	Description
	<del>9.2.12</del> 9.2.13	Renumbered 9.2.12 to 9.2.13
	<del>9.2.13</del> 9.2.14	Renumbered 9.2.13 to 9.2.14
	9.3.1	Numbered Text Tab section
	9.3.2	Numbered Styles Tab section
	9.3.3	Numbered Params Tab section
	9.5.1	First paragraph, removed "or through the Beopak main menu by selecting: Applications >GeopakRoad> Design & Computation Manager." Replaced "MicroStation Civil Extensions>" with "Geopak > Site>"and replaced "Geopak Road Tools" with "Geopak Survey Tools".
	9.6	First paragraph, removed "or through the Beopak main menu by selecting: Applications >GeopakRoad> Design & Computation Manager." Replaced "MicroStation Civil Extensions>" with "Geopak > Site>"and replaced "Geopak Road Tools" with "Geopak Survey Tools". Removed "..with the following categories: Default Feature Location Survey Right of Way Roadway"
	9.7	Removed section
	<del>9.8</del> 9.7	Changed numbering from 9.8 to 9.7
		Changed the R/W conversion script location from: C:\FDOT2008\RESOURCES\Data\rww7toMR3.csv C:\FDOT2008\RESOURCES\Data\V8MR3toXM.csv to: C:\FDOT2010\RESOURCES\Conversion\rww7toMR3.csv C:\FDOT2010\RESOURCES\Conversion\V8MR3toXM.csv
	<del>9.8.1</del> 9.7.1	Changed numbering from 9.8.1 to 9.7.1
<b>10</b>	<i>Chapter 10</i>	Environmental Management Standards
	10.1	Updated for plain language clarification.
	10.2	Updated for plain language clarification.
		Added missing standard filename (UTADEM.dgn) to table
		Corrected the Model and Rule File for File Name: BDXSEM.dgn
		Reassigned new rule file (rwdtrd.rul) to standard file name RWDTEM.dgn
	10.5	Removed level naming convention information. Covered in Chapter 3.8.1
<b>11</b>	<i>Chapter 11</i>	Survey Standards
		Updated versioning in all sections where applicable.
	11.1	Change "section" to "chapter"
	11.2	Added missing file description, "Survey of Verified Utilities (3D Version of UTEXRD.dgn)" for standard file name UTVHRD.dgn.
	<del>11.3.2</del> 11.3.1.1	Changed section 11.3.2 to subsection 11.3.1.1
	<del>11.3.3</del> 11.3.2	Changed section 11.3.3 to subsection 11.3.2
	<del>11.3.4</del> 11.3.3	Changed section 11.3.4 to subsection 11.3.3
	<del>11.3.5</del> 11.3.4	Changed section 11.3.5 to subsection 11.3.4
	<del>11.3.6</del> 11.3.5	Changed section 11.3.6 to subsection 11.3.5
	11.4	Added Note to the end of Export / View Tab section.
	11.6	First paragraph, added: "The FDOT_10.smd can be used when importing CAiCE KCP files or processing OBS files. The FDOT_10RW.smd feature table is used to display the TOPORW.dgn file after importing CAiCE KCP data (see below)."

Chapter	Section	Description
	11.7	Added new section: Importing CAiCE into Geopak Survey with subsections: 11.7.1 Creating KCP Points and Survey Chains 11.7.2 Creating a Geopak Project 11.7.3 Importing Dataset into Geopak 11.7.4 Display by Feature 11.7.5 Exporting Section to 2D Deliverable 11.7.6 Visualizing Feature Elements with Navigator
	<del>11.7</del> 11.8	Changed section 11.7 to subsection 11.8
	<del>11.8</del> 11.9	Changed section 11.8 to subsection 11.9
	<del>11.9</del> 11.10	Changed section 11.9 to subsection 11.10
		Added new non-critical level: ImageAttachment_dp to DREXRD, TOPORD, TOPORW, and UTEXRD symbology tables.
		Reinstated levels: LeaderLine_ep, PointLocator_dp, TextMisc, and TextNotes to DREXRD symbology tables.
		Reinstated levels: TextMisc to TOPORD and TOPORW symbology tables.
		In TOPORW: Added level 1182 WetlandEdge_ep with Co=2, St=wetland, Wt=0, Line, and Feature=MAR
		In TOPORW: Removed level 1183 WetlandSym_ep with Co=2, St=0, Wt=0, Line, and Feature=MAR
		In TOPORD added levels: BaselineSurvey, CurveDataLabel_dp and reinstated levels RRBaseline
	<del>11.10</del> 11.11	Changed section 11.10 to subsection 11.11
	<del>11.11</del> 11.12	Changed section 11.11 to subsection 11.12
<b>12</b>	<i>Chapter 12</i>	Drainage Standards
	12.2	Created new standard filename TEXTDR.dgn Added missing DREXRD filename Moved RWDTRD filename to Roadway Ch 13.2 Moved LDPRRD, LDXSRD, BSCLRD, BRHYRD, SWPPRD filenames from Roadway Ch 13.2
	12.6	Rewritten for clarity Removed level naming convention information. Covered in Chapter 3.8.2
	12.7	Changed "• Drainage Structure Cross Sections (DRSTRD00.DGN)" to "• Drainage Structure Cross Sections (DRXSRD00.DGN)"
	12.9.3	Added new section: "Drainage Structure Cross Section"
<b>13</b>	<i>Chapter 13</i>	Roadway Standards
	13.2	In 3rd and 4th paragraphs, removed examples and caution statements. Added: "Each discipline chapter details their own Standard File Names." Added RWDTRD.dgn from Drainage Ch 12.2 Reassigned new rule file RWDTRD.rul to standard file name RWDTRD.dgn Moved LDPRRD.dgn and LDXSRD.dgn to Drainage Ch 12.2 Corrected the Model and Seed File for file name: BDXSRD.dgn Added missing TOPOEM.dgn
	13.7	Removed level naming convention information. Covered in Chapter 3.8.1
<b>14</b>	<i>Chapter 14</i>	Signing & Pavement Marking Standards
	14.6	Rewritten for clarity Removed level naming convention information. Covered in Chapter 3.8.2
	14.7	Remove 'designs and'. Remove 'or MicroStation Civil Extensions Design'.

Chapter	Section	Description
		Move the second paragraph to Section 14.8 ('In addition to the GuidSIGN worksheet design file required for all non-standard sign designs by the Plans Preparation Manual, a DXF output of the sign, for use by a Sign Cutting Shop, shall be provided for creation of the sign panel.')
	14.8	Second paragraph – Change 'Sign panels do not require separate files and can be added to any design file.' to 'Sign panels design and creation require two (2) separate files: GSWKSP*.dgn(DWG) for sign panel design and the worksheet and the DSGNSP*.dgn(DWG) file for sign panel placement on the project.'
		Add 'In addition to the GuidSIGN worksheet design file required for all non-standard sign designs by the Plans Preparation Manual, a DXF output of the sign, for use by a Sign Cutting Shop, shall be provided for creation of the sign panel.' after second paragraph in section 14.8.
		Remove 'Panel Styles allows border and margin dimensions, as well as text and symbol sizes and spacing to be set automatically. Text Styles eliminates formatting codes and allows commonly used text string formats to be created with minimal input.'
<b>15</b>	<i>Chapter 15</i>	Signals Standards
	15.1	Change 'signing and pavement marking' to 'signalization'.
	15.2	Change 'and append the Signalization of Signals filename designation (SG)' to 'and append the Signals filename designation (SG)'.
	15.6	Rewritten for clarity
		Removed level naming convention information. Covered in Chapter 3.8.2
<b>16</b>	<i>Chapter 16</i>	Highway Lighting Standards
	16.1	Change 'signing and pavement marking' to 'lighting'.
	16.6	Rewritten for clarity
		Removed level naming convention information. Covered in Chapter 3.8.2
<b>17</b>	<i>Chapter 17</i>	Landscape Standards
	17.2	Updated Standard File Names table with current file descriptions.
	17.4	Clarified last paragraph to state the requirement of Signing & Sealing
	17.6	Removed level naming convention information. Covered in Chapter 3.8.1
	17.8	Removed entire section. To be included in training manual.
<b>18</b>	<i>Chapter 18</i>	Structures Standards
	18.1	Updated current information into table.
	18.2	Corrected to "Note Please see Chapter 3....."
		Removed first sentence from the fourth chapter: "Standard drawings file names shall remain as delivered by the Structures Design Office."
		Corrected Sheet Title for standard file name B#Boring.dgn from "Foundation Investigation (Borings)" to "Report of Core Borings"
	18.3	Updated current workspace and library information. Removed last paragraph regarding FDOT2002_v7 and FDOT2002_v9 workspaces.
	18.5	Removed last sentence: "Roadway shall electronically secure all files for delivery."
	18.6	Updated FDOT2010 workspace versioning.
		Added new non-critical level: ImageAttachment_dp to SPST10 symbology table.
		Removed section regarding FDOT2002_v7 and FDOT2002_v8 information.
	18.6.1	Updated FDOT2010 versioning.
	18.6.1.3	Updated current versioning and file names. Removed FDOT2002_v7 and FDOT2002_v8 in formation.
		Added paragraph three addressing Font .rsc files.

Chapter	Section	Description
	18.6.3	Removed table and re-written for clarification.
<b>19</b>	<i>Chapter 19</i>	Utilities Standards
	19.8	Removed level naming convention information. Covered in Chapter 3.8.1
	19.9.1	Removed from the first paragraph last sentence: "or as a minimum, the Civil Engineering Extension that is available with MicroStation 2008."
	19.13.1	Added new section: "Setting Scales"
	19.13.2	Added new section: "OSHA Rule 1926 Overhead Electrical Lines Clearances"
<b>20</b>	<i>Chapter 20</i>	Geotechnical Standards
	20.6	Removed level naming convention information. Covered in Chapter 3.8.1
<b>21</b>	<i>Chapter 21</i>	Construction Standards
	21.2	Corrected rule file assignments for standard file names: PDXSCD.dgn assigned with PDXSRD.rul rule file and DRXSCN.dgn assigned with DRXSRD.rul rule file.
	21.6	Removed level naming convention information. Covered in Chapter 3.8.1
<b>22</b>	<i>Chapter 22</i>	Intelligent Transportations Systems (ITS) Standards
	22.6	Removed level naming convention information. Covered in Chapter 3.8.1
<b>23</b>	<i>Chapter 23</i>	Architectural Standards
	23.3	Updated current website links.
	23.4	Removed Work Program Project: Turnpike Service & Toll Plazas
	23.5	In the image, changed "Use MicroStation" to "Use MicroStation Or AutoCAD"
	23.11	Rewritten for clarification
	23.16	Added Helpful links
<b>24</b>	<i>Chapter 24</i>	Specification Standards
	24.2	In 1st and 2nd paragraphs, changed "project number" to "financial project ID number"
	24.4	Update current link
<b>25</b>	<i>Chapter 25</i>	Appendix
	25.1	Renamed "Plans & Specs CD" to "Bid Set"
	25.2	Updated current link