

Page	Reference/Section	Explanation of Change
1	1.0, first paragraph	updated the text to match DelDOT's current mission statement.
1	1.0, third paragraph	added the work "and"
1	1.1.2, bullet 1	added "or maintaining"
2	1.2.9	replaced "must" with "shall"
3	1.4	Removed text to match more closely to existing process. Hardships are discussed in more detail later in the manual.
3	2.0	reformated "AASHTO" definition to match format used for other definitions.
3	2.0	revised definition to "Active Federal-aid Highway Project" at request of FHWA.
3	2.0	replaced "abandonment" with "retirement" to match remainder of manual.
3	2.0	added a definition for "Americans with Disabilities Act (ADA)"
3 & 4	2.0	added a definition for "Buy America"
4	2.0	removed definition for "Chief Engineer"
4	2.0	revised definition for "Conflict"
5	2.0	added "of" to "Cost of Replacement" and deleted "therefrom" for clarity
5	2.0	added "of" to "Cost of Right-of-Way" for clarity
5	2.0	added "of" to "Costs of overhead or indirect" for clarity
5	2.0	revised definition of "Department" to bring "State of Delaware" to beginning for clarity.
6	2.0	updated "Federal-Aid coordinator" with additional language "the DelDOT personnel who maintains" for clarity
6	2.0	added definition for "Flow line"
6	2.0	updated "Freeway" definition by removing "an expressway", "arterial" and some punctuation from the definition so it better aligns with other DelDOT publications
6	2.0	added definition for "hardship"
7	2.0	updated "Highway construction project" by replacing "new required" with "newly acquired" for clarity
7	2.0	removed definition for "Horizontal clearance" as is replaced by "lateral offset" to be consistent with other DelDOT publications
7	2.0	added definition for "lateral offset"
7	2.0	cleaned up punctuation in "Manhole (utility access hole)" definition
7	2.0	updated definition of "Participating" by deleting "refers to" for clarity and consistency
7 & 8	2.0	Updated "Pipe" definition by adding the various pipe types as bullets. Also updated deflection information in "flexible pipe" to match other DelDOT publication requirements
8	2.0	removed "exist" from definition of "Prior rights" for clarity and consistency
8	2.0	updated "Public utility" definition to remove "'public utility' means"

8	2.0	replaced "the" with "a" in definition for "relocation"
9	2.0	added definition for "Retirement"
9	2.0	updated website reference in definition of "Standard construction details"
9	2.0	updated website reference in definition of "Standard specifications"
9	2.0	updated definition of "State" to match formatting of other definition and removed "Department of Transportation (DeDOT)"
9	2.0	added definition for "Subsurface Utility Engineering (SUE)"
10	2.0	removed "of Transportation, State of Delaware" from definition of "Utility Coordinator"
10	2.0	updated definition of "Utility design meetings" for clarity by adding "collective, joint" and "between utility companies and DeDOT" and removing "Utility DeDOT"
10	2.0	removed section reference from definition of "Utility statement"
11	3.1.1	replaced "permit" with "maintenance" in the title
11	3.1.2	added language within the first paragraph to better clarify coordination efforts and potential permit needs
11	3.1.2	replaced "Traffic" with "Temporary traffic" in second paragraph for consistency with terminology used in other publications
11	3.1.2	replaced "Director" with "Directors" in the third paragraph
11	3.2	added "Temporary" to title for consistency
11	3.2	added "temporary" in the first paragraph for consistency
11	3.2.1	added "Temporary" to title for consistency
11	3.2.1.1	added "temporary" and updated the references provided to match current standards
11 & 12	3.2.1.2	added language for the "Traffic Management Plan (TMP)" to match current requirements
12	3.2.1.3	renumbered section, was previously 3.2.1.2 and added new/updated reference
12	3.2.1.4	renumbered section, was previously 3.2.1.3
12	3.2.1.5	renumbered section, was previously 3.2.1.4 and updated information per current requirements; added "or designee"; added ", various modes of traffic"
12	3.2.1.6	added text to provide consistency with other DeDOT publications and requirements
12	3.2.2	updated title with word "Temporary" for consistency
12	3.2.2.2	updated traffic manual title to match current "DE MUTCD" and added "temporary"
12	3.2.2.3	updated traffic manual title to match current "DE MUTCD" and added current website reference
12	3.2.2.4	updated requirements for safety apparel to match requirements of DE MUTCD
12	3.2.3	updated title with word "Temporary" for consistency

12 & 13	3.2.3.1	added "temporary" as needed, updated manual title, terminology and requirements on Maintenance of Pedestrian Traffic to match current DE MUTCD requirements
13	3.2.3.2	added "temporary" in multiple places, replaced "are" with "is", and updated manual title to "DE MUTCD"
13	3.2.4	updated title with word "Temporary" for consistency
13	3.2.4.1	added "certified"
13	3.2.4.2	updated manual title to "DE MUTCD" and removed flagger ATSSA requirement to match the DE MUTCD
13	3.2.5	updated title with word "Temporary" for consistency
13	3.2.5	added "temporary" in multiple places for consistency
14	3.3.1	updated references
14	3.3.1.4 - previous	removed 3.3.1.4. ADA is discussed elsewhere in the manual in greater detail
14	3.3.1.5 - previous	removed 3.3.1.5. This is discussed elsewhere in the manual
14	3.3.1.4	renumbered 3.3.1.6 to be 3.3.1.4
14	3.3.1.5	renumbered 3.3.1.7 to be 3.3.1.5 and removed text regarding adherence to clear zone policy as it is discussed elsewhere
14	3.3.2	added new section as 3.3.2 titled "General Standards"
14 & 15	3.3.2.1	added section 3.3.2.1 on "retired facilities" to better outline requirements. Previous manual referred to these as abandoned facilities
15	3.3.2.2	moved "ADA" requirements into this section and updated them to better match current requirements
15	3.3.2.3	Added "Offsets and Clear Zone policies - Utility facilities shall conform to horizontal and vertical clearances and offsets" and updated language to match other design references (i.e. Roadside Design Manual). Changed to "lateral offset" requirements from "horizontal clearances"
15	3.3.2.3	added third paragraph to give more information on lateral offset requirements per the Roadside Design Manual
15	3.3.2.3	updated the fourth paragraph to include more information on height requirements above ground line allowed within the clear zone
15 & 16	3.3.1.8 - previous	removed text on future drainage consideration
16	3.3.2.3	added language to end of section requiring utility poles to be properly delineated to allow for better visibility and avoidance
16	3.3.2.4	added language on guardrail and placement of utility facilities within the clear zone
16	3.3.2.5	moved perpendicular crossing language to this section from a previous section that was removed. Was 2. (3.3.1.5) in previous version.
16	3.3.2.6	added requirement that for delineators for anything less than 4" in height for maintenance purposes
16	3.3.2.7	added language to clarify ownership requirement applies to active

		and retired facilities
16	3.3.3	renumbered, previously 3.3.2. removed text in first paragraph for clarity
16	3.3.3	added bullets following first paragraph
16	3.3.3.1	renumbered, previously 3.3.2.1.
16	3.3.3.1	corrected "District" and replaced "District Public Works" with "the Department" could go through Utility Engineer's office for highway projects and District Public Works for permit projects.
17	3.3.3.2	renumbered, previously 3.3.1.2. Also updated punctuation in title.
17	3.3.3.2.1	renumbered, previously 3.3.1.2.1. Changed "will" to "shall"; removed text regarding "other roads"; and changed "District Public Works" to "the Department"
17	3.3.3.2.2	renumbered, previously 3.3.1.2.2. Updated language for clarity by changing "must normally" to "should" and adding "outside of denial-of-access lines and off right-of-way and by adding "within the right-of-way"
17	3.3.3.3	renumbered, previously 3.3.2.3. Updated title to better match definitions by replacing "Roads or Streets" with "Highways"
17	3.3.3.3	replaced "road or street" with "highway"; replaced "must" with "shall"; and updated section reference to match revisions/renumbering
17	3.3.4	removed "partial access control" from title to be more consistent with definitions and other publications
17	3.3.4	removed language to better fit definition of "highway"
17	3.3.4.1	previously 3.3.3.1. Removed "Partial Access Control" from title
17	3.3.4.1.1	previously 3.3.3.1.1. Removed "partial access control"
17	3.3.4.1.1	under "clear zone", updated language for consistency with previous requirements and other publications. Also reiterated breakaway facility requirement.
18	3.3.4.1.1	under "daylight corners...", added "medians" to the verbiage
18	3.3.4.1.1	under "incorporated areas", replaced "curbs" with "curb"; replaced "horizontal clearance" with "lateral offset" to be consistent; updated manual references; and added section reference per revised numbering
18	3.3.4.1.1	under "rural areas" removed text regarding above-ground utilities and clear zone requirements since there is more extensive discussion on clear zone and lateral offset requirements elsewhere in manual
18	3.3.4.1.1	under "slopes and ditches", replaced "will" with "shall"; replaced "on" with "in"; removed "back slopes" from first sentence; and added a new sentence clarifying facility placement in backslopes with relation to clear zone requirements
18	3.3.4.1.2	previously 3.3.3.1.2. Removed "a partial access control highway" and replaced with "highways"

18	3.3.4.1.2	Under "joint-use" replaced "must" with "shall" and "District Public Works" with "the Department". Replaced "must" with "shall" in the "note"
19	3.3.4.1.2	added a bullet for spacing requirements
19	3.3.4.1.2	removed text on abandoned poles as covered elsewhere in manual in greater detail
19	3.3.4.2	renumbered, previously 3.3.3.2
19	3.3.4.2.1	renumbered, previously 3.3.3.2.1. Updated section reference to be accurate with revisions
19	3.3.4.2.2	renumbered, previously 3.3.3.2.2.
19	3.3.4.3	renumbered, previously 3.3.3.3
19	3.3.4.3	added language clarifying Scenic Byways
19	3.3.5	previously 3.3.4, renumbered
19	3.3.5.1	previously 3.3.4.1, renumbered
19	3.3.5.1	replaced "The Subdivision Developer" with "All utilities to be included as part of the subdivision" in the first paragraph
20	3.3.5.1	updated language to clarify that utility companies shall contact Public Works to determine if a permit is needed for work in subdivisions. Replaced "is not necessary for a utility" with "The Utility shall contact the District Public Works office"; replaced "obtain" with "determine if"; and added "is required for work".
20	3.3.5.1.1	previously 3.3.4.1.1, renumbered
20	3.3.5.1.2	previously 3.3.4.1.2; replaced "aboveground" with "aerial" and "must" with "should"; removed "if possible"; replaced "must" with "shall"; and added "or lateral offset as applicable"
20	3.3.5.1.3	previously 3.3.4.1.3, renumbered
20	3.3.5.1.4	previously 3.3.4.1.4; moved "longitudinal" to earlier in sentence; broke sentence and removed "that will be placed to avoid the wheel path when they" with "If sanitary sewers"; added "of"; added "" they may be allowed under pavement but"; removed "If possible, sanitary sewers"; added "not be located under the wheelpath. Sanitary sewer manholes may be placed along"; removed "avoid" and "crown"; and added "center"
20	3.3.5.2	previously 3.3.4.2, renumbered and updated section reference accordingly
20	3.4.1	added bullets
20	3.4.2	replaced "permit" with "maintenance" in the title
20	3.4.2.1	added "The utility shall submit a permit application to the"; replaced "will" with "for"; replaced "a permit application for" with "of"; added ", repair work, upgrading poles,"; added "The District Public Works sections shall supply permit submissions to and review them with the DeIDOT Utility Section if the proposed work area is within the vicinity of an active or proposed DeIDOT highway project to ensure no potential conflicts."

20	3.4.2.2	added "in collaboration with DeIDOT Traffic Safety, when required,"; added "temporary"; and added "and pedestrians"
21	3.4.3	added bullets
21	3.4.4.1	added bullets
21	3.4.4.1	added reference to part "193" in fifth bullet
21	3.4.5	added "It is the responsibility of the individual Utility to obtain all required permits on DeIDOT road construction projects and/or work performed via utility permit projects in which the Utility is performing the relocation work." in the first paragraph
21 & 22	3.4.5	added bullets
22	3.4.5	added "The Utility will not be responsible for obtaining a sedimentation and erosion permit when the utility work is within the highway contractor's limit of construction and the Utility is performing the work when the highway contract is active. However, it is the responsibility of the individual Utility to seed and stabilize all disturbed areas associated with their work in accordance with DNREC upon completion. If the areas are not properly restored, especially in associated with a DeIDOT project, the Department may take further action to obtain compliance as outlined in Chapter 4.6. This may include performing work and back charging the Utility or withholding reimbursement to the Utility."
22	3.5.1	replaced "must" with "shall" and updated section reference
22	3.5.2	replaced "must" with "shall" and updated section reference
22	3.5.3.1	updated section reference
22	3.5.3.3	replaced "horizontal clearances" with "the horizontal placement of appurtenances"; added "and lateral offset"; added "AASHTO <i>Roadside Design Guide</i> "; and replaced "District Public Works Section" with "Department"
22	3.6.1	added "where it is difficult to obtain minimum cover," and removed "partial access control"
23	3.6.2.1.1	replaced "Boring is defined as the operation by which large carriers or casings are jacked through oversized bores." with "The directional boring process begins when a directional bore machine pushes a bore head connected to hollow pipe into the ground."; removed "Jacking is defined as the pushing of a sleeve or casing pipe under a highway to make an underground utility crossing without disturbing the roadbed by open trenching."
23	3.6.2.1.2	added "For DeIDOT highway projects, plans must be provided to the utility coordinator assigned to the project prior to approval of the proposed operations."
23	3.6.2.1.3	added "found in Appendix J"
23	3.6.2.2.1	replaced "shall" with "should"; replaced "DeIDOT's policy is to avoid the open" with "Open"; added "shall be avoided"; added "(5)"

23 & 24	3.6.2.2.3	replaced "must" with "shall"; replaced "District Public Works Section" with "Utility"; added "in the permit application for the Departments approval."; replaced "can" with "should"; updated punctuation; replaced "flowable fill is recommended" with "flowable fill may be used"; replaced "Fill" with "fill"; added "Flowable fill should not be used around flexible pipes unless stone is placed one foot around and one foot above the flexible pipe."; replaced "Information regarding...from the Special Provisions can be found in Appendix F of this Manual" with "Please see the DelDOT <i>Standard Specifications</i> for more information on"
24	3.6.2.2.4	replaced "may" with "shall"; changed dates from "October 31...April 15" to "November 1...April 1"; added after collaboration with DelDOT Traffic Safety
24	3.6.2.3.2	reformatted "or" at end of second bullet
24	3.6.3	replaced "must" with "shall"; added "pipes located under expressways, arterials, and collectors shall have a service life of 75 years. Pipes located under local roads and entrances shall have a service life of 50 years."
24	3.6.3.1	added "Public Works"
24	3.6.3.2	added new title and section on Pipe Material
25	3.6.3.3	renumbered, previously 3.6.3.2; replaced "Pipelines" with "When pipelines are"; and replaced "The" with ", the"
25	3.6.3.3.1	renumbered, previously 3.6.3.2.1
25	3.6.3.3.1.1	renumbered, previously 3.6.3.2.1.1; added "where it is difficult to obtain minimum cover"
25	3.6.3.3.1.2	renumbered, previously 3.6.3.2.1.2; replaced "must" with "shall"; added "or through" and ", inlet, junction box, etc."; removed "full"
25	3.6.3.3.1.3	renumbered, previously 3.6.3.2.1.3
25	3.6.3.3.2	renumbered, previously 3.6.3.2.2
25	3.6.3.3.2.1	renumbered, previously 3.6.3.2.2.1; replaced "are...to" with "shall"; replaced "traveled" with "travel"; added "full controlled access highways."; replaced "expressway or public" with "Manholes should not be located in the travel"; replaced "for vehicular travel" with "of any highway"; added "within the curblin, "; updated section reference to 3.3.5
25	3.6.3.3.2.2	renumbered, previously 3.6.3.2.2.2; added "Valves are not to be located within the curblin."
25	3.6.3.3.2.3	renumbered, previously 3.6.3.2.2.3; replaced "preferably" with "should be"; replaced "on a" with "as close as possible to the"
25 & 26	3.6.3.3 - previous	removed section on "Hazardous Transmittants", moved to 3.6.3.5 in revised manual
26	3.6.3.4	second bullet: replaced "water line or sanitary sewer line" with "pressurized pipelines"; replaced "that it is" with "there are no leaks, and, if applicable, "; added "This includes but is not limited to water, sanitary sewer and gas lines"; removed "Pipelines abandoned in place shall be properly purged and sealed."

26	3.6.3.4	third bullet: formatted bullets; updated punctuation; removed "also"
26	3.6.3.4	fourth bullet: replaced "then" with "than"; added "protection"; replaced "employ higher factor of safety in the design, construction, and testing of the uncased carrier pipe, including such features as thicker wall pipe, radiograph testing of welds, hydrostatic testing, coating and wrapping, and cathodic protection as well as suitable bridging or concrete slabs" with "provide physical protection to facilities through suitable bridging or concrete".
26	3.6.3.4	fifth bullet: updated punctuation; replaced "24" with "36" and replaced "," with ";"
26	3.6.3.4	sixth bullet: changed sub-bullets into numbers; item #1, added "clearances of less than 1 foot require approval of the appropriate regulatory authority."; item #3, replaced "must" with "shall" in two locations.
27	3.6.3.5	added section on "Hazardous Transmittants" to this new section; added reference to CFR Title 49 Part 172 compared to previous text
27	3.6.4.1.1	removed "freeways, expressways, and other"
27	3.6.4.2.2	removed "(partial access control roadways)"
28	3.6.4.3.2	removed "High Density Polyethylene (HDPE) in under evaluation as an uncased carrier for natural gas."; previous section 3.6.4.3.3 now becomes 3.6.4.3.2
28	3.6.4.3.2	renumbered, previously 3.6.4.3.3; replace "The approval is acceptable" with "Uncased construction may be approved"; replace "is approved, if" with "is"
28	3.6.4.3.2.1	renumbered, previously 3.6.4.3.3.1; added ", loads imposed by highway construction, including pile driving and vibratory rolling, "; replaced ", with" with ". Such installation employ"; added "in the design, construction, and testing"
28	3.6.4.3.2.1.1	renumbered, previously 3.6.4.3.3.1.1; replaced " utilities can employ" with "The minimum requirements for gas main crossings shall be"; removed "pipe as an uncased carrier"; replaced High Density Polyethylene (HDPE) is under evaluation as an uncased carrier." with "Other material meeting design requirements outlined above shall be evaluated and approved by the Department on a case-by-case basis."
28	3.6.4.3.2.1.2	renumbered, previously 3.6.4.3.3.1.2; updated punctuation; replaced "and" with "with"; removed "ductile iron"; added "Other material meeting design requirements outlined above shall be evaluated and approved by the Department on a case-by-case basis."
28	3.6.4.3.2.1.3	added section on "sewer"
28 & 29	3.6.4.3.2.1.4	renumbered, previously 3.6.4.3.3.1.3; updated punctuation; added "Other material meeting design requirements outlined above shall be evaluated and approved by the Department on a case-by-case basis."
29	3.6.4.3.2.2	added section regarding uncased crossing requests and review
29	3.6.4.3.4 - previous	section removed
29	3.6.4.3.3	renumbered, previously 3.6.4.3.5; updated section reference from "3.6.4.3.1" to "3.6.4.3.2.1"; replaced "District Public Works Section"

		with "Department"
29	3.6.4.4	added "The utility shall supply a plan with the information previously mentioned to the DeIDOT Utility Section for approval when coordinating proposed work associated with a DeIDOT highway project."
29	3.6.4.5.1	replaced "must" with "shall"
29	3.6.4.5.2	replaced "encasement" with "casing"
29	3.6.4.6.1	removed indentation; replaced "Volatile" with "Hazardous" in two places; updated punctuation; replaced "must" with "shall" in two places
29 & 30	3.6.4.6.2	replaced "volatile" with "Hazardous" in two places; replaced "must" with "shall"; replaced "aluminum" with "HDPE"; added "(DR 11 shall be the minimum), fused PVC,"; added "Casings located under expressways, arterials, and collectors shall have a service life of 75 years. Casings located under local roads and entrances shall have a service life of 50 years."
30	3.6.4.6.2	added language regarding casing material requests, documentation and review/approval at end of section
30	3.6.4.7.1	replaced "must" with "shall"
30	3.6.4.7.2	replaced "Traffic Control Manual" with "DE MUTCD"
30	3.6.4.7.3.1	replaced "must" with "shall"; added "Coated steel tracer wire is the preferred material. Metal tape shall not be considered. It is the Utility's responsibility to ensure all non-metallic facilities are detectable after installation is complete and shall demonstrate it is traceable to the Department. If the facilities are not detectable, the Department may require further action which may include removal of facilities."
30	3.6.4.7.3.2	replaced "then" with "than"
30	3.6.4.7.3.4	replaced "over 4 inches in diameter must" with "should"; added "at the ends with a flexible material to prevent flowing water and debris from entering the annular space between the casing and the carrier."; replaced "combustibles" with "hazardous transmittants"; replaced "must" with "shall"
31	3.6.4.7.3.6	updated punctuation; replaced "must" with "shall"
31	3.6.5.1	replaced "must" with "shall"; replaced "or larger" with "greater than"
31	3.6.5.2.1	replaced "must" with "shall" in three places; replaced "24" with "42"; updated section reference to 3.4.4
31	3.6.5.2.2	replaced "must" with "shall" in two places; updated punctuation; replaced "24" with "42"
31 & 32	3.7.1.2	replaced "such as water, gas, sanitary sewer mains and electrical facilities will" with "shall"; removed "new"; removed "Communications and other telecommunications will not be permitted unless extreme hardship can be proven."; added "District for permit related work or Utility Section in the case of coordination with a highway project"; replaced "must" with "shall" in two places;

		added "Bridge"
32	3.7.1.3	updated section reference to 5.3.1.2.6
32	3.7.2.1	removed "Section"
32	3.7.2.1.2	replaced "must" with "shall"; added "(i.e. ...)."
32	3.7.2.2	added "Bridge"
32	3.7.3	replaced "must" with "shall"
32	3.7.4.2	replaced "must" with "shall"
33	3.7.4.4	replaced "must" with "shall"
33	3.7.5.3	added ", meeting the requirements of section 3.6.4.6"
33	3.7.5.4	replaced "are" with ", handholes, or splice boxes shall be"
33	3.7.5.6	replaced "and" with "or"; added "and"
33	3.7.5.11	replaced "should" with "shall"
34	3.8.1.1	replaced "must" with "shall"
34	3.8.1.2	replaced "must" with "shall"; no change to Standard Specifications other than hyperlinked and italicized
34	3.8.1.3	added "latest version of the" and removed "2001"; updated location of "The Landscaping and Restoration Act Implementation" and hyperlinked
34	3.8.1.4	replaced "must" with "shall" in three places; hyperlinked and italicized "Landscaping and Restoration Act Implementation"; replaced "Section 2" with "Appendix A"; hyperlinked and italicized "Road Design Manual"
34	3.8.1.5	removed "sprinkler systems"; added "to the satisfaction of the Department"
34 & 35	3.8.2.1	replaced "must" with "shall"; added "unless conditions warrant a temporary patch"; added "The Construction Engineer will determine any necessary repairs and timeframes. For permit work, the roadway shall be immediately restored with at least Type B asphalt pavement materials even with the surface of the roadway. The contractor shall come back within 30 days, or as directed by the Public Works Engineer, and will mill two inches down and inlay with Type C asphalt pavement material."; removed "The District Public Works Section will determine any necessary repairs."
35	3.8.2.2	replaced "the" with "any"; removed "at least"; replaced "to that which" with "or better than what"; added "DeIDOT"; removed "The seeding specification is located in Section 734 of the Standard Specifications."
35	3.8.2.3	added "twelve (...)"; replaced "that" with "including patches in Pedestrian Access Routes (PAR) such as sidewalks, which"

35	3.8.2.4	replaced "must" with "shall"; replaced "Standard Construction Detail P-2 illustrates" with "Please see the...Standard Construction Details for illustration...and pipe trench requirements"
35	3.8.2.5	replaced "is recommended" with "can be used"; replaced "although Borrow Type C can be utilized" with "with approval from the Department"; replaced "208500 as shown in Appendix F" with "DelDOT's most current"; replaced "The District Public Works Section may require flowable" with "Flowable"; added "shall not be used around flexible pipes unless stone is placed one foot around and one foot above the flexible pipe."
35	3.8.2.6.1	updated punctuation; replaced "Figure 2.3 shows the" with "The"; added "are:"; replaced "Superpave Type C 160 Gyration, PG 64-22" with "Type C asphalt pavement material. Greater patch sections may be required by the District or Utility Engineer"
35	3.8.2.6.2	replaced section text with "Trench width and backfill requirements shall meet those outlined for permanent patches in the DelDOT Standard Construction Details and Standard Specifications."
36	3.8.2.7	replaced "Hot Mix Pavements" with "Asphalt Pavement Materials"
36	3.8.2.7.1	replaced "Figure 2-4 illustrated the details" with "The DelDOT Standard Construction Details illustrate requirements"; removed "hot mix"; added "pavement"; added "unless otherwise directed by the District Public Works office for permits, or the DelDOT Utility Section or DelDOT Construction for work associated with highway projects"; replaced "heavier" with "thicker"; replaced "Figure 2-4" with "the detail"; added "will be repaired"; added "for permit work, or the DelDOT Utility Section or DelDOT Construction for highway projects"
36	3.8.2.7.2	replaced "Division 200 of DelDOT's Standard Specifications" with "DelDOT's Standard Specifications"
36	3.8.2.7.3	section removed
36	3.8.2.8.1	replaced "must" with "shall"; replaced "Section 503 "Patching Portland Cement Concrete Pavement" of...Standard Specifications" with "DelDOT Standard Specifications, current revision"; replaced ""Standard Construction Detail P-2 for PCC Pavement Patching" with "Standard Construction Details"
36	3.8.2.8.3	added "approval of the District Public Works section and"; replaced "shown" with "discussed"; replaced "Figure" reference and "(8 inches graded)" with "section 3.8.2.6 at a minimum"
36	3.8.2.8.4	replaced "Standard No. P2 of...Standard Construction Details" with "Standard Construction Details"
36	3.8.2.9	replaced "Hot Mix" with "Asphalt Pavement" in the section title; replaced "hot mix" with "asphalt pavement"; hyperlinked Standard Specifications" and italicized; removed "Standard No. P2 of"

36	3.8.2.10.1	replaced "Damage to roadside" with "All"; added "disturbed"; replaced "repaired as soon as possible" with "restored"; added "construction or"; replaced "roadside areas is concerned mainly" with "should occur as soon as the work is completed. For projects that are longitudinal, the restoration should occur in order"; added "installation. Areas not restored within 30 days of disturbance will be considered non-compliant."; removed "trenching and backfilling requirements. First, excavation widths will vary depending on the type of utility being placed."
36 & 37	3.8.2.10.2	replaced text with "See the DeIDOT Standard Construction Details for trench, pipe bedding, and permanent patching requirements."
37	3.8.2.10.3 - previous	section removed
37	3.8.2.10.3	renumbered, previously 3.8.2.10.4; replaced "15" with "1"; replaced "must" with "shall"
37	3.8.2.10.4	renumbered, previously 3.8.2.10.5; replaced "must" with "shall" in two places; hyperlinked and italicized Standard Specifications
37	3.8.2.10.5	renumbered, previously 3.8.2.10.6; replaced "that is...satisfactory" with "meeting the requirements"; replaced "must" with "shall"; hyperlinked, italicized, and updated to DE MUTCD
37	3.8.2.11.1	updated punctuation; replaced "must" with "shall"; hyperlinked and italicized "Standard Specifications"
37	3.8.2.11.2	replaced "must" with "shall"
37	3.8.2.12.1	updated punctuation; replaced "244" with "225"; replaced "hot mix" with "asphalt pavement materials"
38	3.8.2.14	added new section on "Sidewalk and Shared-Use Paths"
38	3.8.2.14.1	added language regarding preservation and restoration of sidewalks and shared-use paths
38	4.1.1.1	reformated and reordered previous items in section 4.1.1. Section 4.1.1.1 is now outlining the Master Franchise. Removed previous text.
38	4.1.1.2	reformated and reordered previous items in section 4.1.1. Section 4.1.1.2 is now outlining the Use & Occupancy Agreement. Removed previous text.
38	4.1.1.3	reformated and reordered previous items in section 4.1.1. Section 4.1.1.3 is now outlining the Utility Construction Permit. Removed previous text.
38 & 39	4.1.1.4	reformated and reordered previous items in section 4.1.1. Section 4.1.1.4 is now outlining the Letter Agreement. Removed previous text.
39	4.1.2.1	replaced "must" with "shall"
39	4.1.2.2	replaced "must" with "shall" in two places
39	4.1.2.4	added "District will contact the DeIDOT Railroad Section to coordinate. The"
40	4.2.1	added "All companies making underground installations shall be members of "Miss Utility of Delmarva".; replaced "Appendix B" with

		"the Appendices"
40	4.2.2	replaced "must" with "shall"
40	4.2.4	removed "appropriate"; replaced "Coordinator" with "Engineer"; replaced "Engineering Suport" with "Right-of-Way"; replaced "Technology and Support Services" with "Finance" in two places
40	4.2.5	replaced "annually...another...years" with "a...year term"
40	4.2.6	replaced "Standards and Regulations for Subdivision Streets and State Highway Access" with "Development Coordination Manual"
41	4.2.7.1	replaced "rarely are they" with "shall not be"; added "within denial-of-access lines"
41	4.2.7.2	replaced "must" with "shall"
41	4.2.7.3	replaced "must" with "shall"
41	4.2.7.4	replaced "Engineering Support" with "of Right-of-Way"
41	4.2.8	added "See Chapter 5 for more details on DeIDOT highway project coordination."
41	4.3.1	replaced "must" with "shall" in two places
41	4.3.3	replaced "must" with "shall"
42	4.4.1	replaced "form" with "see sample in"; replaced "must" with "shall"; replaced "completed" with "obtained"; replaced "A" with "The"; added "request is completed on-line through the Utility Permit Application (UPA). A Utility Construction Permit"; added "Notice to Proceed to the State Contractor for"; added "Permit submissions shall be coordinated with the DeIDOT Utility section when there are proposed or active highway projects in the vicinity of the permit scope of work."; replaced "must" with "shall"
42	4.4.1	in last paragraph of section, replaced "must" with "shall"; replaced "However, it is best to contact" with "This will not be required if"; replaced "to see if there have been any changes to" with "determines that a written description of"; added "work and location is adequate to locate the construction. Restoration or emergency work, test holes, manhole repair work, cathodic protection, box repair work, and valve box repair work do not require a sketch or plan": removed "requirements"
42	4.4.2	removed "intended" and "large users may supplement"; added "utility", "review and approval" and "is available"; replaced "The utilities wishing to use" with "Contact"; added "appropriate District Public Works Section directly regarding this"; removed "will need to execute as letter agreement with the Department specifying the conditions of the electronic permit."
43	4.4.3	removed ", except in cases when Utility Work is performed in advance of construction or the Department requests test holes for the locations of utilities."

43	4.4.3	replaced "must" with "shall" in two places in paragraph two; added "Permit submissions shall clearly identify existing pedestrian facilities such as curb ramps, sidewalks, crosswalks, etc. along with any proposed work that will alter them. All proposed work shall comply with the ADA. Permits shall not be approved if the ADA requirements are not properly identified and addressed. If the proposed utility work will impact any existing pedestrian facilities, the utility company will be required to bring the impacted facilities up to current standards."
43	4.4.3	updated punctuation and replaced "must" with "shall" in five places through the last two paragraphs; formatted bullets for Counties and phone numbers
43	4.4.5.1	replaced "must" with "shall"
44	4.4.5.1.10	removed "and"
44	4.4.5.1.11	updated punctuation
44	4.4.5.1.12	added "location and width of sidewalk,"
44	4.4.5.1.13	added "location and width of curb ramps, and"
44	4.4.5.1.14	added "sidewalks and curb ramp restoration details."
44	4.4.5.2	replaced "must" with "shall"
44	4.4.5.3	replaced "must" with "shall" in four places
44	4.4.6	added bullets; replaced "must" with "shall"
44	4.5.1	replaced "must" with "shall" in two places; replaced "force" with "place"
44	4.5.2	replaced "must" with "(for permit work) or DeIDOT Construction section (for DeIDOT highway project work) shall"; replaced "must" with "shall"
44	4.5.4	replaced "must" with "shall" in two places
45	4.5.5	previously mis-numbered as 4.5.6; replaced "must" with "shall"
45	4.6.1.1	replaced "The" with "Consistent with applicable law, the"; removed "also"; replaced "actions" with "reasonable sanctions"; added "for noncompliance. For examples and not by way of limitation, the State may impose lesser sanctions such as not issuing new permits to the Utility; or issue an"; removed ",including an"; added "on any active utility construction within the State right-of-way"; replaced "utility" with "Utility"
45	4.6.1.2	replaced "must" with "shall"; added "If the noncompliance has a direct effect on public safety or impedes the flow of traffic, the Utility shall begin to take actions to address the noncompliance within three hours of being notified of the noncompliance."
45	4.6.1.5	new section with language regarding revocation of the Master Franchise
45 & 46	5.0	in paragraph one, replaced "must" with "will need to"; in paragraph two, replaced "must" with "shall" in two places; added a fourth paragraph regarding "Buy America"

46	5.1	removed "and"; added ", easements or other property interest documentation, and proof of prior rights"
46	5.1.1	replaced "right-of-way" with "project"
46 & 47	5.1.2	changed order of sections and updated text in 5.1.2; added replaced "two sets" with "one set"; removed "per utility"; added "and provide electronic survey plans"; added "proof of prior rights" as fifth bullet; in final paragraph, added "reasonable justification is provided and a"; in final paragraph, added "Utility Coordinator,"; in final paragraph, added "Should the necessary information not be provided by the utility company within the timeframe discussed herein or as agreed upon between parties, then the Department may take additional actions, such as holding utility permit approval and work, until plans are received."
47	5.1.2.1	renumbered, previously 5.1.1.1; replaced "MISS UTILITY" with "Miss Utility"; added bullets
47	5.1.2.1	final paragraph, added "and the test hole information"; removed "The Project Manager, in coordination with the Utility Coordinator, shall determine which conflicts cannot be avoided and discuss alternatives with the affected utility company. The utility companies shall identify potential problems that could affect the project schedule at this stage of the plan development."
47	5.1.2.2	renumbered, previously 5.1.1.2
48	5.1.2 - previous	reordered sections
48	5.1.3.1	added "The Project Manager shall utilize a Utility Conflict Matrix (UCM) to identify potential utility conflicts throughout the project limits. The UCM shall be utilized throughout the project development process to document potential utility conflicts and resolutions. A UCM form can be found in the Appendices."
48	5.1.3.2	replaced "two sets" with "one set"; added "and provide electronic files"; added "The Project manager shall also provide the Utility Coordinator with a copy of the completed UCM for further coordination with Utility companies. The Utility Coordinator shall review and provide additional information to the Project Manager as follow-up to this coordination."
48	5.1.3.3	replaced "is typically requested" with "should be included"
48	5.1.3.3.7	added "a draft narrative for the utility statement."
48	5.1.3.3.8	added "verification that existing utilities are shown correctly on the plans."
48	5.1.3.3.9	added "request for field meeting if needed."
49	5.1.3.3.10	added "Buy America materials list, if applicable."

49	5.1.3.5	second paragraph, added "thirty (...)" ; added "unless a reasonable justification is given to the Utility Coordinator and Project Manager" ; added "Utility Coordinator, Project Manager and the utility representatives. Should the necessary information not be provided by the utility company within the timeframe discussed herein or as agreed upon between parties, then the Department may take additional actions, such as holding utility permit approval and work, until plans are received" ; removed "project manager and the utility representatives"
49	5.1.3.6	replaced "must" with "shall" in the second paragraph
49	5.1.3.7	replaced "must" with "shall" in the second paragraph
49	5.1.3.7	in third paragraph, added "thirty (...)" ; added "Buy America material list (if applicable)," ; updated punctuation ; replaced "must" with "shall"
50	5.1.4	in first paragraph, replaced "two sets" with "one set" ; added "and provide electronic files" ; added "An updated version of the UCM shall also be supplied to the Utility Coordinator. The UCM will be shared with Utility Companies to finalize coordination."
50	5.1.4	in second paragraph, added "The following items should be included with the marked Semifinal Plans:" ; added bullet "email concurrence on ROW shown on construction plans provided by DelDOT;" ; added bullet "cost estimate for relocations for reimbursable work;" ; added bullet "cost for providing electric power service to traffic signals, roadway lighting, ITS facilities; and;" ; added bullet "Buy America materials list, if applicable"
50	5.1.4	second set of bullets, removed "and" from fifth bullet ; added bullet "a description of the proposed MOT needed to perform utility work, plans may be required if MOT requires more detailed planning than what is provided through the Typical Application of the DE MUTCD;" ; added bullet "a description of all materials with long lead times for ordering; and;" ; updated final bullet by replacing "state's" with "State's"
50	5.1.4	paragraph following bullets, replaced "will" with "company shall" ; added "reasonable justification is given to the Utility Coordinator and Project Manager or unless a" ; added "Should the necessary information not be provided by the utility company within the timeframe discussed herein or as agreed upon between parties, then the Department may take additional actions, such as holding utility permit approval and work, until plans are received."
51	5.1.4	third paragraph on page, added "Group"
51	5.1.4	fifth paragraph on page, removed "Section 105.09 of"

51	5.1.4	final paragraph in section, replaced "are to" with "shall"; added "unless a reasonable justification is given to the Utility Coordinator and Project Manager or unless a coordination meeting is requested. Should the necessary information not be provided by the utility company within the timeframe discussed herein or as agreed upon between parties, then the Department may take additional actions, such as holding utility permit approval and work, until plans are received."
51	5.1.5	in first paragraph, replaced "When" with "The Project Manager will give"; replaced "plans are completed and the project is advertised," with "assigned Utility Coordinator"; replaced "will be forwarded" with "and provide electronic files and final cross sections to distribute"; replaced "Construction Engineer" with "Project Manager"; replaced "issue the notice to proceed" with "also provide the Utility Coordinator"; replaced "relocation of facilities at or following the Preconstruction meeting" with "final UCM showing resolution to all conflicts. This will be provided to the Utility Companies for their records."
51 & 52	5.1.5	added second paragraph, four bullets and two next paragraphs in this section.
52	5.1.6	added section titled "PS&E"
52	5.1.6	added text regarding PS&E "The utility company shall attend the preconstruction meeting for the project. The construction engineer shall issue the notice to proceed to the State highway contractor with all utility companies copied at or following the preconstruction meeting. This shall serve as authorization and notice to utility companies for relocation work that is to occur concurrent to the highway project."
52	5.2	updated section reference to 5.3
52	5.3.1	in first paragraph, updated Appendix reference and website reference
52	5.3.1	added second paragraph "If the Utility Engineer determines that utility facilities are impacted by a highway project, then the Department will reimburse for adjustments, relocations, and removals based on Delaware Code as previously referenced. Reimbursement will be based on restoring impacted facilities to the condition that existed prior to the project. This is referred to as in-kind replacement."
52	5.3.1	hyperlinked and italicized reference in first paragraph on this page
52 & 53	5.3.1	added final paragraph regarding "Buy America"
53	5.3.1.1.2	replaced "must" with "shall" in two places
54	5.3.1.1.7	replaced "and" with ", then"
54	5.3.1.2.1	replaced "must" with "shall"
54	5.3.1.2.4	replaced "must" with "shall"
55	5.3.1.2.6	hyperlinked OSHA reference
55	5.3.3.1	replaced "easement" with "easements"

55	5.3.3.2	replaced "must" with "shall"
55	5.3.3.3	added section "The utility company shall present the Department with proof of prior rights prior to final plans"
55	5.3.3.1	in paragraph following 5.3.3.3, replaced "must" with "shall"; replaced "A flowchart of the" with "The"; replaced "located" with "described"
56	5.3.4	replaced "must" with "shall" in first paragraph
56	5.3.5.1	replaced "must" with "shall"; added paragraph following bullets "Utility adjustment agreements may include time consequences based on road user cost. Time consequences shall be identified in the Utility Statement. Road user costs shall be determined by DeIDOT Traffic based on DeIDOT Design Guidance Memorandum."
56	5.3.5.2	removed "Appendix B provides samples of letter agreements used by the Department" from the end of first paragraph
57	5.3.5.2	replaced "Engineering Support" with "Right-of-Way"; replaced "Technology and Support Services" with "Finance" in third paragraph
57	5.3.5.2	replaced "Technology and Support Services" with "Finance" in first bullet
57	5.3.5.3	hyperlinked and italicized reference in second paragraph
57	5.3.5.3	replaced "must" with "shall" in the final paragraph in this section
57 & 58	5.3.5.4	replaced "must" with "shall" in first paragraph; added ", and"; hyperlinked and italicized "Program Guide" reference
58	5.3.5.4	replaced "must" with "shall" in second and third paragraphs
58 & 59	5.3.5.5.1	updated utility statement reference to "5.1.4" in first bullet; removed "Note: Other colors can be used provided they are legible and clearly labeled in the legend." in bullet 3, sub-bullet 5; added "other colors can be used provided they are legible and clearly labeled in the legend"; added bullet 7 "proposed maintenance of traffic needs, and"; removed "and" from bullet 8, sub-bullet 1; removed "the" from bullet 8, sub-bullet 3
59	5.3.5.5.2	added "(4)"
59	5.4.1	added "or District Public Works Office" to end of first paragraph
60	5.4.2.3	replaced "must" with "shall"; replaced "DeIDOT's Traffic Control Manual (Traffic Controls for Streets and Highways Construction, Maintenance, and Utility Operations)" with "the DE MUTCD"
60	5.4.3.1	updated punctuation in first paragraph
60 & 61	5.5.1.1	replaced "may" with "should" in two places in first paragraph; updated section reference to "5.5.2.2" at end of second paragraph
61	5.5.1.2	replaced "may" with "should"
61	5.5.2.1	replaced "must" with "shall"; reformatted bullets; removed "and" from ninth bullet; added tenth bullet "a certification of "Buy America" compliance, if applicable, and"
62	5.5.2.2.4	added "If subject to "Buy America", final payment shall not be made by the State if the certification of compliance is not received."
62	5.5.2.2.7	removed indentation from paragraph following 5.5.2.2.7

62 & 63	5.5.3	added full section on "Electric Power Service for Roadway Lighting, Traffic Signals, and ITS Equipment"
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