

What's new in the FP-24?

General Changes

Metric units have been removed.

Internal hyperlinks added.

Full Section references have been removed from the Material Lists. When full Sections are referenced in the Construction Specification this includes the Materials List from the referenced Section.

Edited to increase consistency and remove repetition

Division 100 - General Requirements

Section 101 – Terms, Format, and Definitions

- Updated Acronyms.
- Removed metric unit abbreviations and symbols.
- Updated Definitions.

Section 102 – Bid, Award, and Execution of Contract

- Removed some FAR clause redundancy

Section 103 – Scope of Work

- Removed some FAR clause redundancy

Section 104 – Control of Work

- Added authority of COR
- Added Electronic Documentation
- Added Construction Loading of Structures

Section 105 – Control of Material

- Minor changes

Section 106 – Acceptance of Work

- Minor changes and re-arranging information

Section 107 – Legal Relations and Responsibility to the Public

- Minor changes

Section 108 – Prosecution and Progress

- Added Labor Subsection
- Adjusted the values of Liquidated Damages

Section 109 – Measurement and Payment

- Added Contingent sum measurement definition
- Added Mil measurement definition
- Removed Slurry unit measurement definition
- Additional specifications for pricing adjustments
- Added Lump Sum invoicing requirements
- Additional specifications for retainage invoicing requirements.

What's new in the FP-24?

Division 150 - Project Requirements

Section 151 – Mobilization

- Minor changes

Section 152 – Construction Survey and Staking

- Survey language change

Section 153 – Contractor Quality Control

- Added requirements for quality control management
- Added requirements for certifications and submittals

Section 154 – Contractor Sampling and Testing

- Minor changes

Section 155 – Schedules for Construction Contracts

- Removed the baseline schedule revision

Section 156 – Public Traffic

- Minor changes

Section 157 – Soil Erosion and Sediment Control

- Clarified Temporary Stormwater Diversions language
- Temporary Stream Diversion specifications have been moved to Section 628

Section 158 – Watering for Dust Control

- Minor changes

Division 200 - Earthwork

Section 201 – Clearing and Grubbing

- Minor changes

Section 202 – Additional Clearing and Grubbing

- Minor changes

Section 203 – Removal of Structures and Obstructions

- Moved hazardous material disposal plan to submittals
- Enhanced requirements for abandoning existing culverts
- Added requirements for concrete and reinforcing steel removal
- Enhanced requirements for removing hazardous materials
- Removed specifications about concrete removal in repair areas (moved to concrete repair Section)
- Removed specifications for burning and burying material

Section 204 – Excavation and Embankment

- Deleted requirements for embankment construction adjacent to structures
- Clarified disposal of unsuitable or excess material
- Deleted acceptance criteria for clearing, removing obstructions, and placing topsoil
- Added measurement of subexcavation

What's new in the FP-24?

Section 205 – Rock Blasting

- Added definitions for lift, mudcapping, and blockholing.
- Added requirements for vibration monitoring
- Specifications added about revising site-specific blasting plans

Section 206 – Reserved

Section 207 – Earthwork Geosynthetics

- Additional requirements for Geotextile and Geogrid Reinforcement Applications

Section 208 – Structure Excavation and Backfill for Selected Major Structures

- Progress payments for lump sum items included

Section 209 – Structural Excavation and Backfill

- Minor changes

Section 210 – Reserved

Section 211 – Roadway Obliteration

- Minor changes

Section 212 – Linear and Site Grading (Name change)

- Definitions added
- Added specifications about site grading

Section 213 – Subgrade Stabilization

- Minor changes

Division 250 - Earth Retaining Systems and Slopes (Name change)

Section 251 – Riprap

- Method A and Method B have been removed
 - Wolman count for source approval
 - Size method during production

Section 252 – Rockery, Special Rock Embankment, and Rock Buttress

- Definitions added
- Qualifications and Submittals added

Section 253 – Gabions and Revet Mattresses

- Tolerances for gabion walls added

Section 254 – Soldier Pile Retaining Walls (New Section)

Section 255 – Mechanically-Stabilized Earth Walls

- Adjustments to precast concrete panel-faced Subsection
- Other changes

Section 256 – Permanent Ground Anchors

- Addition Qualifications required
- Other changes

Section 257 – Contractor Designed Retaining Structures (Name change)

- Added Qualifications
- Adds Rockeries and Soldier pile retaining walls

What's new in the FP-24?

Section 258 – Reinforced Concrete Retaining Walls

- Minor changes

Section 259 – Soil Nail Retaining Walls

- Verification and proof test specifications have changed
- Precast concrete panels have been added as permanent wall facing

Section 260 – Rock Bolts and Dowels

- Added Qualifications
- Adjusted Submittals
- Revised Installation Subsection
- Rock Bolt Testing, stressing, and Finishing Subsection has been revised

Section 261 – Reinforced Soil Slope

- Minor changes

Section 262 – Slope Scaling (New Section)

Section 263 – Draped Rockfall Protection (New Section)

Section 264 – Midslope Rockfall Attenuator (New Section)

Section 265 – Roadside Rockfall Protection (New Section)

Section 266 – Anchored Wire Mesh System (New Section)

Section 267 – Drain Holes in Rocks (New Section)

Section 268 – Horizontal Drains (Moved from Section 610)

- Minor changes

Division 300 - Aggregate and Base Courses

Section 301 – Untreated Aggregate Courses

- Minor changes

Section 302 – Minor Crushed Aggregate

- Shoulder finishing aggregate added

Section 303 – Road Reconditioning

- Minor changes

Section 304 – Full Depth Reclamation

- Minor changes

Section 305 – Full Depth Reclamation with Cement

- Added micro-cracking Subsection

Section 306 – Full Depth Reclamation with Asphalt

- Minor changes

Section 307 – Reserved

Section 308 – Emulsified Asphalt-Treated Base Course (moved from Section 309)

- Minor changes

Section 309 – Cold Central Plant Recycled Asphalt Base Course (New Section)

Section 310 – Cold In-Place Recycled Asphalt Base Course

- Minor changes

What's new in the FP-24?

Section 311 – Stabilized Aggregate Surface Course

- Big changes

Section 312 – Dust Palliative

- Minor changes

Section 313 – Aggregate-Topsoil Course

- Minor changes

Section 314 – Stockpiled Aggregates

- Minor changes

Section 315 – Recycled Aggregate (New Section)

Division 400 - Asphalt Pavements and Surface Treatments

Section 401 – Asphalt Concrete Pavement by Gyratory Mix Design Method

- Big changes

Section 402 – Asphalt Concrete Pavement by Hveem or Marshall Mix Design Method

- Minor changes

Section 403 – Asphalt Concrete

- Minor changes

Section 404 – Thin Lift Asphalt Concrete Pavement (New Section)

Section 405 – Open-Graded Asphalt Friction Course

- Minor changes

Section 406 – Fog Seal

- Minor changes

Section 407 – Chip Seal

- Minor changes

Section 408 – Ultrathin Bonded Wearing Course (New Section)

Section 409 – Micro Surfacing

- Minor changes

Section 410 – Slurry Seal

- Changed Equipment requirements

Section 411 – Asphalt Prime Coat

- Removed Method 3 for asphalt application

Section 412 – Asphalt Tack Coat

- Adjusted surface preparation and application specifications
- Added a sampling, testing, and acceptance requirements table

Section 413 - Asphalt Pavement Milling

- Added micro-milling machine
- Added specifications for sweeper

Section 414 – Asphalt Pavement Crack and Joint Sealing and Filling (Name changed)

- Added General Subsection

What's new in the FP-24?

Section 415 – Pavement Geotextiles

- Minor changes

Section 416 – Reserved

Section 417 – Reserved

Section 418 – Asphalt Concrete Pavement Patching

- Materials list deleted since it is covered in Section 403 which is referenced
- General Subsection added

Division 500 - Rigid Pavements

Section 501 – Minor Concrete Pavement

- Major rewrite

Section 502 – Concrete Pavement Restoration

- Polyurethan grout pump and shotblasting added to equipment Subsection
- Roadbed preparation added to full depth patching Subsection

Division 550 - Bridge Construction

Section 551 – Driven Piles

- Section rewrite

Section 552 – Structural Concrete

- Section rewrite

Section 553 – Prestressed Concrete

- Changes

Section 554 – Reinforcing Steel

- Changes

Section 555 – Steel Structures

- Section rewrite

Section 556 – Bridge Railing

- Minor changes

Section 557 – Timber Structures

- Changes to hardware subsection

Section 558 – Dampproofing

- Minor changes

Section 559 – Waterproofing and Sealing (Name change)

- Section rewrite

Section 560 – Removal of Concrete by Hydrodemolition

- Changes

Section 561 – Concrete Crack Repair by Epoxy Injection (Name change)

- Section rewrite

Section 562 – Temporary Works

- Minor changes

What's new in the FP-24?

Section 563 – Coating (Name change, was Painting)

- Section rewrite

Section 564 – Bearing Devices

- Added subsection on disc bearings

Section 565 – Drilled Shafts

- Updated qualifications
- Added Drilled shaft construction tolerances table

Section 566 – Shotcrete

- Section rewrite

Section 567 – Micropiles

- Minor changes

Section 568 – Service Life Design Concrete (Name change, was High Performance Concrete)

- Section rewrite

Section 569 – Concrete Overlays for Bridge Decks

- Section rewrite

Section 570 – Polyester Polymer Concrete Overlays for Bridge Decks (New Section)

Section 571 – Ultra-High Performance Concrete (New Section)

Section 572 – Concrete Repair (New Section)

Section 573 – Helical Piles (New Section)

Section 574 – Geosynthetic Reinforced Soil-Integrated Bridge System (New Section)

Section 575 – Temporary Bridges (New Section)

Section 576 – Reserved

Section 577 – Fiber-Reinforced Polymer Structures (New Section)

Section 578 – Precast Elements (New Section)

Division 600 - Incidental Construction

Section 601 – Minor Concrete (Name change)

- Changes
- Added sampling, testing, and acceptance requirements table

Section 602 – Culverts and Drains

- Minor changes

Section 603 – Structural Plate Structures

- Removed torquing requirements, instead referred to manufacturer's recommendations

Section 604 – Manholes, Inlets, and Catch Basins

- Minor changes

Section 605 – Underdrains, Sheet Drains, and Pavement Edge Drains

- Minor changes

Section 606 – Corrugated Metal Spillways

- Minor changes

What's new in the FP-24?

Section 607 – Cleaning, Relaying, and Repairing Existing Drainage Structures

- Minor changes

Section 608 – Paved Waterways

- Minor changes

Section 609 – Curb and Gutter

- Removed precast curb
- Added Subsection on bonding concrete curb to surface

Section 610 – Sidewalks, Pads, and Medians (Name change and moved from Section 615)

- Minor changes

Section 611 – Water Systems

- Minor changes
- Added Smooth HDPE pipe

Section 612 – Sanitary Sewer Systems

- Added new material types
- Added additional backfilling and warning tape requirements

Section 613 – Simulated Stone Masonry Surface

- Minor changes

Section 614 – Flowable Backfill (Name change)

- Minor changes

Section 615 – Reserved

Section 616 – Slope Paving

- Changes

Section 617 – Guardrail

- Removed designation list and directed to AASHTO
- Updated installer training requirements
- Minor changes and reordering

Section 618 – Concrete Barriers (Name change)

- Removed precast guardwall specification

Section 619 – Fences, Gates, Cattle Guards, and Bollards (Name change)

- Added smooth wire
- Added new reference to precast concrete

Section 620 – Stone Masonry

- Re-organized

Section 621 – Monuments and Markers

- Minor changes

Section 622 – Rental Equipment

- Minor changes

Section 623 – General Labor

- Section re-write

What's new in the FP-24?

Section 624 – Topsoil

- Minor changes

Section 625 – Turf Establishment

- Changes to protecting and caring for seed areas Subsection
- Added progress payment information

Section 626 – Plants, Trees, Shrubs, Vines, and Ground Covers

- Changes to Setting Plants Subsection to include Live stakes and plugs

Section 627 – Sod

- Removed strip sod
- Added progress payment information

Section 628 – Temporary Stream Diversion (New Section)

- Removed reference to stream diversions from 157.10 and put here in this Section

Section 629 – Rolled Erosion Control Products and Cellular Confinement Systems

- Changes to Mulch Control Netting, now referred to as "Netting or Open Weave Textile"
- Changes to Erosion Control Blanket types (added 4.A., 4.B, 5.C, 5.D, 5.E, and F.F)

Section 630 – Reserved

Section 631 – Reserved

Section 632 – Locating Utilities (New Section)

Section 633 – Permanent Traffic Control

- Moved materials requirements to 718

Section 634 – Permanent Pavement Markings

- Added methyl methacrylate
- Removed types E, I, and K
- Glass beads per manufacturer's recommendations

Section 635 – Temporary Traffic Control

- Updated portable rumble strips, added arrow boards and portable changeable message signs

Section 636 – Traffic Signal, Traffic Counter, Lighting, and Electrical Systems

- Minor updates to traffic signal requirements, updated traffic counter requirements based on EFL LOS

Section 637 – Facilities and Services

- Section re-write

What's new in the FP-24?

Division 700 - Material

General:

AASHTO and ASTM test have been reviewed, updated, and verified
Updated to include current materials and industry standards.

Name changes -

Section 701 - Cementitious Material
Section 702 – Asphalt Material and Additives
Section 710 - Fencing and Mesh Fabrics
Section 711 - Concrete Curing Material and Additives
Section 719 - Coating Material

New Sections -

Section 723 - Dampproofing and Waterproofing Material
Section 724 - Guardrail

Section 725 - Miscellaneous Material

Several items were moved out of Section 725 to their “correct” 700 locations.