SUMMARY OF CHANGES
JANUARY 2022 SUPPLEMENTS TO FORM 818
EFFECTIVE FOR FDP DATES ON or AFTER MAY 11, 2022

PROJECTS WITH FINAL DESIGN PLAN (FDP) DATES BETWEEN DECEMBER 2, 2021 AND MAY 10, 2022 MUST REFERENCE THE JULY 2021 SUPPLEMENTAL SPECIFICATIONS.

Significant changes in each Section are summarized below:

SECTION 1.05 – CONTROL OF THE WORK
Revised Article 1.05.19 to clarify that the AISC Bridge Erection Endorsement is only required for field erection of steel bridge girders, beams or trusses, and for fabricated components of overhead signs.

SECTION 1.20-1.05 – CONTROL OF THE WORK FOR FACILITIES CONSTRUCTION
Revised language in 1.20-1.05.05 to clarify that the Facilities contractor is responsible to provide as-built conditions drawings. Also removed language for submitting a Record Survey.

SECTION 1.20-9.80 – CONSTRUCTION SURVEYING FOR FACILITIES CONSTRUCTION
Removed language in 1.20-9.80.03 requiring the submission of Project Record Drawings (already required in Article 1.20-1.08.14) and removed requirement for an A-2 survey.

SECTION 2.11 - ANTI-TRACKING PAD
Revised “turf establishment” to “seeding” and other minor revisions, recommended by Andrew Piraneo of Environmental Planning.

SECTION 5.14 - PREFABRICATED CONCRETE STRUCTURAL COMPONENTS and SECTION M.14 - PREFABRICATED CONCRETE MEMBERS
Major updates for both Sections.
- In Section 5.14, rearranged subarticles to address required Submittals first under Construction Methods; added requirements for precast components (previously this Section only addressed prestressed); directed that project-specific information (such as whether dry fit is required) will be as specified on the Plans. The following items are added to the List of Standard Items:
  - Precast Approach Slab
  - Precast Concrete Walls
  - Precast Substructure Element
  - Precast Concrete Three-Sided Rigid Frame
- In Section M.14, introduced Class PRC nomenclature to emphasize precast concrete and to differentiate it from Class PCC nomenclature for cast-in-place concrete

SECTION 6.01 - CONCRETE FOR STRUCTURES and SECTION M.03 - PORTLAND AND HYDRAULIC CEMENT CONCRETE
Major revisions in Section 6.01:
- Emphasis added that 6.01 is for cast-in-place concrete for structures (not precast)
clarified that contractor is responsible for workability / slump of the plastic concrete
revised language allowing addition of water to the concrete mix on site by the producer’s
“QC staff or representative”
allowing addition of air entrainment admixture on site by the producer’s QC staff “or
representative”
removed slump limits in Table 6.01.03-2 as contractor is responsible for workability
added sentence that the results of testing on the Department’s QA testing cylinders “shall
not be used to control stages or progression of the work” to emphasize that contractor’s
field-cured cylinders are to be used for this purpose

In Section M.03:
- Changed title of Section to allow use of hydraulic cement and put in specifications for it
- Replaced Department mix design “Approval” with “Producer mix self-qualification”
- Allowing use of recycled materials within mixes, including ground glass pozzolan
- Article M.03.02 title changed to emphasize cast-in-place concrete standard mixes
- Revisions to Table M.03.02-1 Standard Mix Designs outlining classes of concrete, 28 day
  strength requirements and 56 day resistivity requirements (if applicable)
- Addition of Class PCCXXX83 related to surface or structural repair concrete, with
  maximum resistivity requirement
- Removal of water/cement ratio requirements and minimum cement content requirements
- Revisions to Table M.03.02-1a Exposure Factor per Application to clarify use of
  Exposure Factors 1 “Moderate” and 2 “Severe,” and added Exposure Factor 3 “Special”
  to be used only for structural repair concrete with sacrificial anodes
- Removal of M.03.07 Adhesive Anchoring Material (making it “vacant”) related to
  incorporation of new Section 6.10 Drilling Holes and Bonding Anchors and Dowels
  which includes updated requirements for adhesive anchor material
- M.03.08 Joint Materials includes minor corrections including correcting reference to
  ASTM D8139

SECTION 6.10 - DRILLING HOLES AND BONDING ANCHORS AND DOWELS
Incorporated special provision, owned by Bryan Reed of Bridge Design, that has been
successfully used on projects for over a year. There is a fillable form included with this Section
for recording field testing of installed anchors and dowels.

SECTION 9.10 - METAL BEAM RAIL
Revised to refer to new Section 6.10, Drilling Holes and Bonding Anchors and Dowels, for when
metal beam rail attachment is installed into existing concrete.

SECTION 9.21 - CONCRETE SIDEWALKS AND RAMPS
Added paragraph to Article 9.21.03 titled “Discontinuities” to address a maximum 1/2 inch
height difference between sidewalk slabs, as requested by Snow Peng, ADA Coordinating
Engineer.

SECTION M.06 - METALS
Revision to M.06.03 to prohibit the use of aerosol galvanizing products for field repairs and
touch ups.