



Department of  
**TRANSPORTATION**

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Nonstandard Job Guide Schedule by Material  
Category for MAC Materials

April 17, 2026

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## Introduction

### Nonstandard Job Guide Schedule Materials by Category for MAC Materials

These instructions are a supplement to the [Non-Standard JGS User Instructions](#). They are meant to be a guide to some of the MAC Materials that might apply to certain “scopes of work” such as drainage or guardrail. They suggest MAC Materials that *might* be placed for a scope of work. If a material is not actually placed, you don’t need to select it on the Nonstandard Job Guide Schedule (NSJG). For example under the Highway Lighting category, there are entries for the light pole foundation for cast in place operations and for precast. If the Contractor opts to install precast concrete footers, the MAC Materials needed for cast in place do not need to be selected as long as they are not needed for another category of work.

Some MAC Materials will appear on multiple Material Categories. For example, MAC Material 346 will be listed under Concrete, Bridge, Walls, and other Material Categories. A Material only needs to be selected once on the NSJGS, even when it shows up under multiple Material Categories.

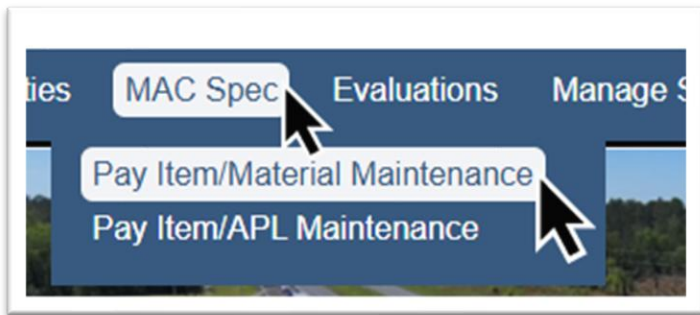
When the Department updates a **Specification Section** title, it results in a new MAC Material. For example in the January 2020 workbook, **Specification Section 346 – Portland Cement Concrete** was revised to **Specification Section 346 – Structural Portland Cement Concrete**. When there is more than one Material for a **Specification Section**, these instructions will include comments about which projects they apply to. Data entry, QC managers and PAs should pay particular attention to these entries. If an incorrect one is selected, samples cannot be entered.

**These instructions focus on the MAC Materials and do not address project specific MAC specs (with the exception of MAC Material 457).** See the [Non-Standard JGS User Instructions](#) for details on Special Provisions, Technical Special Provisions, Change Orders, Developmental Specifications and Plan Notes. These entries still need to be on an NSJGS and need coordination to ensure they are properly assigned. [Construction Project Administration Manual Section 5.8](#) contains details on the PA’s responsibilities for ensuring project specific MAC Specs are coordinated with the State Materials Office (SMO) technical unit(s).

The instructions for APL tracking have been separated into their own document since APL tracking in MAC is no longer applicable to projects let on or after January 1, 2026.

## Using Pay Item to Material Maintenance View in MAC for NSJGS

NSJGS is used for projects with one pay item like Lump Sum (LS) or Design Build (DB) (see [NSJGS User Instructions](#)). There are no Materials assigned to the Lump Sum or Design Build pay items. NSJGS is also used for projects with no pay items like Local Agency Program (LAP projects). Some Lump Sum pay projects have a pay item list. The standard JGS is compiled from tables in MAC that connect MAC Materials to pay items. These instructions show how to review those tables for assistance with maintaining an NSJGS. For example, if you know a pay item number or description for a high mast light pole pay item from a past contract, you can use that to look up the Materials assigned to a high mast light pole and replicate them on an NSJGS that has high mast light poles.



1. From the MAC home screen, select the MAC Spec menu option.
2. Select the Pay Item/Material Maintenance submenu option.

The Manage pay Item/Material Associations screen appears. It is view only and only shows the most current assignments. It does not include assignments that were deleted.

**Manage Pay Item/Material Associations**

View Type  
 By Pay Item  By Material

Pay Item: 0548 1  
Material: Type Material Id or Name

0548 10: RETAINING WALL SYSTEM (PERMANENT)  
0548 11: RETAINING WALL SYSTEM (TEMPORARY)  
0548 12: RETAINING WALL SYSTEM, PERMANENT, EXCLUDING BARRIER  
0548 13: RETAINING WALL SYSTEM, TEMPORARY, EXCLUDING BARRIER  
**0548 14: RETAINING WALL SYSTEM, PERMANENT-RETE BAFFLE WALL**  
0548 15: RETAINING WALL SYSTEM, RETROFIT FREE DRAINING SEAL IN EXISTING WALL  
0434 MITERED END SECTION (OPTIONAL BOUND) (8" SD)

3. Pay Item – enter all or part of a pay item and select an entry from the returned list.

The pay items assigned will appear in the order they were assigned (not in numerical order).

Material	
<b>0548 12 - RETAINING WALL SYSTEM, PERMANENT, EXCLUDING BARRIER</b>	
1	548 - Retaining Wall Systems
2	120 - Excavation and Embankment
3	346 - Portland Cement Concrete
4	347 - Portland Cement Concrete - Class NS
5	901 - Coarse Aggregate
6	985 - Geosynthetic Materials
7	105 - Incidental Precast Concrete Product Certification
8	346 - Structural Portland Cement Concrete

Because some **Specification Sections** have had a title change, there may be more than one entry per Material. You do not have to select both. If you select the incorrect one, MAC will not assign the appropriate MAC Spec for the Material. It is based on the let date of the contract. The [ALL MAC Materials](#) section below describes which one to selected for which let dates. It is different for different Materials.

## ALL MAC Materials

MAC Material	Used for	Comments	SMO Technical Unit
104 – Prevention, Control, and Abatement of Erosion and Water Pollution	Floating Turbidity Barrier that is incorporated into the final project for APL Tracking	<b>Select only if barrier is incorporated into the final project</b> <b>Certified test report requirement for contract let before 07/01/2025</b>	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
105 – Incidental Precast Concrete Product Certification	Sound barriers, retaining walls, traffic barriers, light pole foundations, pull & junction boxes, CCTV poles, light poles	Select if there are incidental precast products for reminder to collect the certification from the incidental precast producer	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
120 – Excavation and Embankment	Embankment & excavation for roadway, structures & pipe	Embankment, structures & pipe backfill for example, sign or light poles	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
121 – Flowable Fill	Beddings, encasements, closures for tanks & pipes, general backfill for trenches, embankments & walls		Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
<b>125 – Excavation for Structures and Pipe</b>	<b>Do not select</b>	<b>Use 120 instead</b>	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
145 – Geosynthetic Reinforcement	Geosynthetic reinforced soil slopes or geosynthetic reinforced foundations over soft soils	Sampling and testing, lab and field Separate sample for certified test reports submitted to SMO for review	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
160 – Stabilizing			Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
<b>162 – Prepared Soil Layer</b>	<b>Do not select</b>	<b>Deleted from Specifications 07/01/2019</b>	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
200 – Rock Base	Any rock base (limerock, shell rock, etc.)		Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
204 – Graded Aggregate Base	Base Course composed of graded aggregate	Select for delivery ticket Sampling & testing under MAC Material 200	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>

MAC Material	Used for	Comments	SMO Technical Unit
234 – Superpave Asphalt Base	Asphalt base course only when there is no other structural asphalt on the project	If there is asphalt base and structural asphalt, select MAC Material 334 and log base and structural samples under 334	Asphalt <a href="mailto:SM-MACBit@dot.state.fl.us">SM-MACBit@dot.state.fl.us</a>
288 – Cement Treated Permeable Base	Sometimes used with Edgedrain <b>(Specification Section 446)</b>		Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
300 - Prime and Tack Coat	Base (prime), Structural Hot Mix Asphalt, Friction Course	<b>Do not select for contracts let before 07/01/2022</b>	Asphalt <a href="mailto:SM-MACBit@dot.state.fl.us">SM-MACBit@dot.state.fl.us</a>
330 – Hot Mix Asphalt – General Construction Requirements	Structural Hot Mix Asphalt, Friction Course	Select this material to add the asphalt pavement smoothness sampling & testing	Pavements <a href="mailto:SM-PAVELEAD@dot.state.fl.us">SM-PAVELEAD@dot.state.fl.us</a>
334 – Superpave Asphalt Concrete			Asphalt <a href="mailto:SM-MACBit@dot.state.fl.us">SM-MACBit@dot.state.fl.us</a>
337 – Asphalt Concrete Friction Course			Asphalt <a href="mailto:SM-MACBit@dot.state.fl.us">SM-MACBit@dot.state.fl.us</a>
346 – Portland Cement Concrete	Structural concrete	<b>For contracts let before 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
346 – Structural Portland Cement Concrete	Structural concrete	<b>For contracts on or after 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
347 – Portland Cement Concrete – Class NS	Any nonstructural concrete such as curb and gutter (520), sidewalk (522), ditch pavement (524)	Method of acceptance language is <b>in Specification Section 347</b> Nonstructural Specification Sections, such as <b>Section 520</b> reference <b>Section 347</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
350 – Cement Concrete Pavement	Concrete Pavement		Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
352 – Grinding Concrete Pavement		Only select if the 352 Special Provision is part of the contract package	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
353 – Concrete Pavement Slab Replacement	Concrete slab replacement		Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>

MAC Material	Used for	Comments	SMO Technical Unit
415 – Reinforcing for Concrete	Metal chairs & bolsters, plastic chairs & bolsters, plastic tips. Do not select for rebar See MAC Material 931	For contracts let <b>on or after 07/01/2016</b> , collect the certification for metal chairs & bolsters, plastic chairs & bolsters or plastic tips	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
446 – Edgedrain (Draincrete)			Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
449 – Precast Concrete Drainage Products	Precast Concrete Drainage Structures, Precast Concrete Pipe	Adds a reminder on the JGS to collect the certification from the incidental precast producer	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
450 – Precast Prestressed Concrete Construction	Prestressed Concrete Products	Adds a reminder on the JGS to collect the certification from the prestressed producer	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
<b>453 – Epoxy Jointing of Precast Segments</b>	<b>Do not select.</b>	<b>Do not select for projects let on or after 07/01/2017</b>	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
455 – Structures Foundations	Auger Cast Pile Grout sampling & testing	Select for plastic & hardened properties of auger cast pile grout	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
457 – Integral Pile Jackets		Contact the SMO Corrosion Section before work begins	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
506 – Bridge Drainage System	Aluminum bridge drainage system	Certified mill analysis required on <b>contracts let before 07/01/2025</b>	MAC Support <a href="mailto:FDOT-MACSupport@dot.state.fl.us">FDOT-MACSupport@dot.state.fl.us</a>
526 – Architectural Pavers	Concrete or clay pavers for roadways or commercial driveways (structural), concrete or clay pavers for sidewalks, medians or residential driveways (non-structural)	Nonstructural pavers require a certification from the manufacturer Structural pavers require a certification from the manufacturer and sampling & testing by the SMO	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>

MAC Material	Used for	Comments	SMO Technical Unit
530 – Riprap	Project Specific Riprap, Bedding Stone, Bank & Shore Riprap, Ditch Bank Lining, Gabion Basket Stone, Sand Cement Riprap	Select this material for contracts let <b>before 07/01/2015</b> for certified delivery ticket from the aggregate producer	Aggregates <a href="mailto:SM-Aggregates@dot.state.fl.us">SM-Aggregates@dot.state.fl.us</a>
530 – Riprap and Articulating Concrete Block Revetment Systems	Project Specific Riprap, Bedding Stone, Bank & Shore Riprap, Ditch Bank Lining, Gabion Basket Stone, Sand Cement Riprap		Aggregates <a href="mailto:SM-Aggregates@dot.state.fl.us">SM-Aggregates@dot.state.fl.us</a>
530 – Revetment Systems	Project Specific Riprap, Bedding Stone, Bank & Shore Riprap, Ditch Bank Lining, Gabion Basket Stone, Sand Cement Riprap		Aggregates <a href="mailto:SM-Aggregates@dot.state.fl.us">SM-Aggregates@dot.state.fl.us</a>
548 – Retaining Wall Systems		Sampling & testing requirements & a certification document requirement submitted to SMO for review The certified test reports are a separate sample from the sampling & testing	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
550 – Fencing	Type A Fence, Type B Fence, Type R Fence		Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
901 – Coarse Aggregate	#57 pipe bedding (Section 125) coarse aggregate for MSE walls (Section 548) French Drain (Standard Index 285)	Select this material to add a reminder on the JGS to collect the certified delivery ticket for the aggregate producer	Aggregates <a href="mailto:SM-Aggregates@dot.state.fl.us">SM-Aggregates@dot.state.fl.us</a>
902 – Fine Aggregate	Masonry sand (Section 425) Underdrain Sand (Standard Index 286)	Select this material to add a reminder on the JGS to collect the certified delivery ticket for the aggregate producer	Aggregates <a href="mailto:SM-Aggregates@dot.state.fl.us">SM-Aggregates@dot.state.fl.us</a>
911 – Limerock Material for Base and Stabilized Base	Limerock base products or stabilized base products	Select this material to add a reminder on the JGS to collect the certified delivery ticket for the aggregate producer	Aggregates <a href="mailto:SM-Aggregates@dot.state.fl.us">SM-Aggregates@dot.state.fl.us</a>

MAC Material	Used for	Comments	SMO Technical Unit
916 – Bituminous Materials	<b>Do not select. See Program MAC Specs</b>		Asphalt <a href="mailto:SM-MACBit@dot.state.fl.us">SM-MACBit@dot.state.fl.us</a>
925 – Curing Materials for Concrete	Burlap, White Burlap-Polyethylene, Type 1 – Clear Membrane-Forming Curing Compound, Type 2 - White Pigmented, Membrane-Forming Curing Compound	Select for certification collected by Contractor from manufacturer	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
931 – Metal Accessory Materials for Concrete Pavement and Concrete Structures	Reinforcing steel, welded wire reinforcement, metal materials for joints in concrete pavement (See 415 for spacers)		Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
932 – Nonmetallic Accessory Materials for Concrete Pavement and Concrete Structures	Bridge Bearing Pads or Ancillary Bearing Pads, Preformed Joint Filler, Low Modulus Silicone Sealant, compressive seals & adhesive lubricant	Submit certified mill analysis to SMO for review Low Modulus Silicon sealant requires a sample to be taken & sent to the SMO for testing	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
932FRP – Fiber Reinforced Polymer (FRP) Reinforcing Bars	Carbon FRP bars, glass FRP bars	Submit physical sample & certification to SMO	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
937 – Post-Installed Anchor Systems for Structural Applications in Concrete Elements			Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
942 – Precast Concrete Pipe Gaskets	Precast concrete pipe cold adhesive preformed plastic gasket	Submit certified test report to SMO for review	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
943 – Corrugated Steel Pipe and Pipe Arch (Including Underdrain)	Corrugated steel pipe & pipe arch, steel trench drain, steel underdrain, steel french drain	Submit certified test report to SMO for review	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
944 – Structural Plate Steel Pipe and Pipe Arch	Structural Plate Steel Pipe & Pipe Arch Culvert, bituminous coating	Submit certified test report to SMO for review	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
945 – Aluminum Pipe, Including Underdrain, Pipe Arch and Structural Plate Pipe and Pipe Arch	Aluminum Pipe, Including Underdrain, Pipe Arch & Structural Plate, Pipe & Pipe Arch, Bituminous Coating	Submit certified test report to SMO for review	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>

MAC Material	Used for	Comments	SMO Technical Unit
948 – Optional Drainage Products and Liner Repair Systems	Corrugated PVC pipe, Class II HDPE pipe, Class II polypropylene pipe	Submit a physical sample & certification from the manufacturer to the SMO for review	Corrosion <a href="#">SM-MACCorrosion</a>
949 – Brick and Concrete Masonry Units for Manholes, Inlets and Other Structures	Clay or shale bricks, concrete blocks, concrete bricks	For contracts let <b>between 07/01/2013 to 06/30/2015</b> , select this material to add a reminder on the JGS to collect the certification from the manufacturer	Physical Lab <a href="#">SM-Physical@dot.state.fl.us</a>
949 – Miscellaneous Components for Manholes, Inlets, and Other Structures	Clay or shale bricks, concrete blocks, concrete bricks	For contracts let <b>on or after 07/01/2015</b> , select this material to add a reminder on the JGS to collect the certification from the manufacturer	Physical Lab <a href="#">SM-Physical@dot.state.fl.us</a>
951 – Inspection of Timber Products	Timber piles, offset blocks, posts, fencing	Select this material to add a reminder on the JGS to collect the certification from the manufacturer	Structural Steel Materials <a href="#">SM-StructuresCI@dot.state.fl.us</a>
<b>955 – Timber Treatment (Including Treating Materials)</b>	<b>Do not select</b>	MAC Spec has been disabled	Structural Materials Field Operations <a href="#">SM-StructuresFieldOps@dot.state.fl.us</a>
962 – Structural Steel and Miscellaneous Metal Items (Other than Aluminum)	Anchor rods & bridge bearing materials, bolts, nuts & washers not designated as high strength, high strength bolts, nuts, washers & direct-tension indicators, iron castings, miscellaneous metal items, steel castings, steel forgings, structural steel, sheet piling, stay in place forms	Select for contracts with structural steel & other items in Section 962 that require a certified mill analysis to be submitted to SMO for review If the structural steel product is receiving a commercial inspection, the certified mill analysis does not have to be submitted to SMO for review	Physical Lab <a href="#">SM-Physical@dot.state.fl.us</a>

MAC Material	Used for	Comments	SMO Technical Unit
<b>965 – General Provisions for Aluminum Items (Including Welding)</b>	<b>Do not select</b>	<b>For contracts let on or after 01/01/2016, do not select</b>	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
967 – Components for Guardrail	Steel beams, supports, fastenings & accessories, steel posts, steel blocks	Select for contracts let <b>on or after 07/01/2017</b> , submit certified mill analysis to SMO for review For contracts let on or after 01/01/2020, select to document guardrail stamp inspection (no certified mill analysis)	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
967 – Rail Elements for Guardrail	Steel beams, supports, fastenings & accessories, steel posts, steel blocks	Select for contracts let <b>before 7/01/2017</b> , submit certified mill analysis to SMO for review	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
970 – Materials for Raised Retroreflective Pavement Markers & Bituminous Adhesive	Raised retroreflective pavement markers, bituminous adhesive	Submit certified test report to SMO for review	Chemistry Lab <a href="mailto:SM-MACChemical@dot.state.fl.us">SM-MACChemical@dot.state.fl.us</a>
971 – Pavement Marking Materials	Rumble strips, thermoplastic pavement marking materials, two reactive component pavement marking materials, painted pavement marking materials	For contracts <b>let on or after 07/01/2015</b> , select this material to add a reminder on the JGS to collect the certification from the manufacturer	Chemistry Lab <a href="mailto:SM-MACChemical@dot.state.fl.us">SM-MACChemical@dot.state.fl.us</a>
<b>971 – Traffic Marking Materials</b>	<b>Do not select</b>	For contracts <b>let before 07/01/2015</b>	Chemistry Lab <a href="mailto:SM-MACChemical@dot.state.fl.us">SM-MACChemical@dot.state.fl.us</a>
982 – Fertilizer		Submit certified test report to SMO for review	Chemistry Lab <a href="mailto:SM-MACChemical@dot.state.fl.us">SM-MACChemical@dot.state.fl.us</a>
985 – Geosynthetic Materials	Geosynthetic materials for nonstructural and structural applications for drainage, erosion control, reinforcement, separation, or stabilization	Submit a physical sample & certification from the manufacturer to the SMO for review except for erosion control	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>

## Do Not Select these Materials

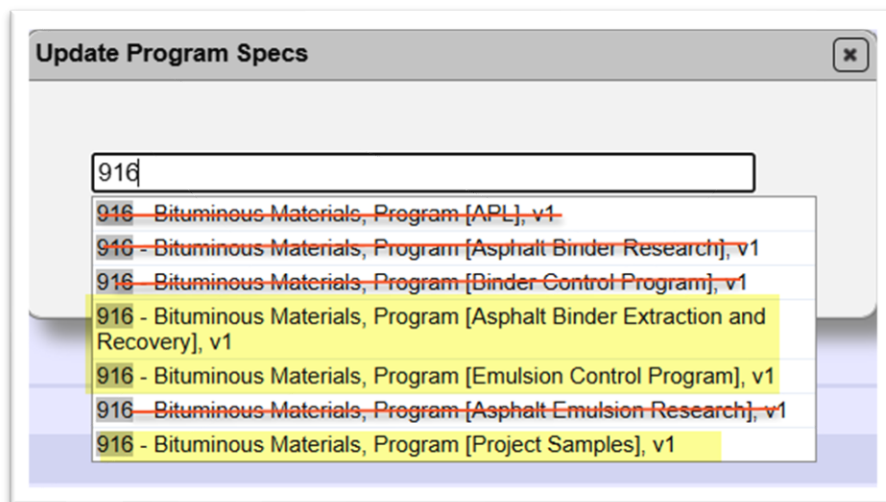
Sometimes the NSJGS entry will allow users to select a Material that does not apply. These Materials may be available, but should never be selected on an NSJGS.

MAC Material	Used for	Comments	SMO Technical Unit
125 – Excavation for Structures and Pipe	<b>Do not select</b>	<b><i>Use 120 instead</i></b>	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
162 – Prepared Soil Layer	<b>Do not select</b>	<b><i>Deleted from Specifications 07/01/2019</i></b>	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
453 – Epoxy Jointing of Precast Segments	<b>Do not select.</b>	<b><i>For contracts before 07/01/2017</i></b>	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
955 – Timber Treatment (Including Treating Materials)	<b>Do not select</b>	MAC Spec has been disabled	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
965 – General Provisions for Aluminum Items (Including Welding)	<b>Do not select</b>	<b><i>For contracts before 01/01/2016</i></b>	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
967 – Rail Elements for Guardrail	<b>Do not select</b>	<b><i>For contracts before 7/01/2017</i></b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
<b>971 – Traffic Marking Materials</b>	<b>Do not select</b>	<b><i>For contracts before 07/01/2015</i></b>	Chemistry Lab <a href="mailto:SM-MACChemical@dot.state.fl.us">SM-MACChemical@dot.state.fl.us</a>

## Program MAC Specs

There are a few program MAC Specs related to the Binder Control program that should be selected under the Program MAC Spec tab on the NSJGS whenever emulsions (prime or tack) and/or asphalt is part of the project. This is done so that the hard copy JGS report has a section for the program samples taken by project personnel and logged into MAC for SMO to test. Unlike the Materials Section where you select a MAC Material, here you will select a specific MAC Spec. In some cases, you will also see other Program MAC Specs that are not associated to project level sampling and testing.

<b>Program MAC Material</b>	<b>Select for</b>	<b>Comments</b>	<b>SMO Technical Unit</b>
916 – Bituminous Materials, Program [Asphalt Binder Extraction and Recovery]	Select if Asphalt is on the contract	SMO binder to determine if the appropriate binder is being used.	Chemistry Lab <a href="mailto:SM-MACChemical@dot.state.fl.us">SM-MACChemical@dot.state.fl.us</a>
916 – Bituminous Materials, Program [Project Samples]	Select if Asphalt is on the contract	SMO tests binder and asphalt mix to determine if the appropriate binder for the mix is being used	Chemistry Lab <a href="mailto:SM-MACChemical@dot.state.fl.us">SM-MACChemical@dot.state.fl.us</a>
916 -- Bituminous Materials, Program [Emulsion Control Program]	Select if base (for Prime) or Asphalt (for tack) is on the contract	SMO prime and tack for Binder Control Program requirements	



## Soils/Earthwork

MAC Material	Used for	Comments	SMO Technical Unit
120 – Excavation and Embankment	Embankment & excavation for roadway, structures & pipe	Embankment, structures & pipe backfill for example, sign or light poles	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
121 – Flowable Fill	Beddings, encasements, closures for tanks & pipes, general backfill for trenches, embankments & walls		Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
<b>125 – Excavation for Structures and Pipe</b>	<b>Do not select</b>	<b>Use 120 instead</b>	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
145 – Geosynthetic Reinforcement	Geosynthetic reinforced soil slopes or geosynthetic reinforced foundations over soft soils	Sampling and testing, lab and field Separate sample for certified test reports submitted to SMO for review	145 – Geosynthetic Reinforcement
160 – Stabilizing			Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
200 – Rock Base	Any rock base (limerock, shell rock, etc.)		Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
204 – Graded Aggregate Base	Base Course composed of graded aggregate	Select for delivery ticket Select MAC Material 200 for sampling and testing	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
548 – Retaining Wall Systems		Sampling & testing requirements & a certification document requirement submitted to SMO for review  The certified test reports are a separate sample from the sampling & testing	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
901 – Coarse Aggregate	#57 pipe bedding (Section 125) coarse aggregate for MSE walls (Section 548) French Drain (Standard Index 285)	Select this material to add a reminder on the JGS to collect the certified delivery ticket for the aggregate producer	Aggregates <a href="mailto:SM-Aggregates@dot.state.fl.us">SM-Aggregates@dot.state.fl.us</a>

MAC Material	Used for	Comments	SMO Technical Unit
911 – Limerock Material for Base and Stabilized Base	Limerock base products or stabilized base products	Select this material to add a reminder on the JGS to collect the certified delivery ticket for the aggregate producer	Aggregates <a href="mailto:SM-Aggregates@dot.state.fl.us">SM-Aggregates@dot.state.fl.us</a>
985 – Geosynthetic Materials	Geosynthetic materials for nonstructural and structural applications for drainage, erosion control, reinforcement, separation, or stabilization	Submit a physical sample & certification from the manufacturer to the SMO for review except for erosion control	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>

## Asphalt

### MAC Materials

MAC Material	Used for	Comments	SMO Technical Unit
234 – Superpave Asphalt Base	Only select asphalt base course when there is no other structural asphalt on the project	If there is asphalt base and structural asphalt, select MAC Material 334 and log base and structural samples under 334	Asphalt <a href="mailto:SM-MACBit@dot.state.fl.us">SM-MACBit@dot.state.fl.us</a>
300 - Prime and Tack Coat	Base (prime), Structural Hot Mix Asphalt, Friction Course	<b>Do not select for contracts let before 07/01/2022</b>	Asphalt <a href="mailto:SM-MACBit@dot.state.fl.us">SM-MACBit@dot.state.fl.us</a>
330 – Hot Mix Asphalt – General Construction Requirements	Structural Hot Mix Asphalt, Friction Course	Select this material to add the asphalt pavement smoothness sampling & testing	Pavements <a href="mailto:SM-PAVELEAD@dot.state.fl.us">SM-PAVELEAD@dot.state.fl.us</a>
334 – Superpave Asphalt Concrete			Asphalt <a href="mailto:SM-MACBit@dot.state.fl.us">SM-MACBit@dot.state.fl.us</a>
337 – Asphalt Concrete Friction Course			Asphalt <a href="mailto:SM-MACBit@dot.state.fl.us">SM-MACBit@dot.state.fl.us</a>
901 – Coarse Aggregate	Only select if Asphalt Rubber Membrane Interlayer (ARMI) is in the contract	Select this material to add a reminder on the JGS to collect the certified delivery ticket for the aggregate producer	Aggregates <a href="mailto:SM-Aggregates@dot.state.fl.us">SM-Aggregates@dot.state.fl.us</a>
916 – Bituminous Materials	<b>Do not select See Program MAC Specs</b>		Asphalt <a href="mailto:SM-MACBit@dot.state.fl.us">SM-MACBit@dot.state.fl.us</a>

Program MAC Specs

<b>Program MAC Material</b>	<b>Select for</b>	<b>Comments</b>	<b>SMO Technical Unit</b>
916 – Bituminous Materials, Program [Asphalt Binder Extraction and Recovery]	Select if Asphalt is on the contract	SMO tests binder to determine if the appropriate binder is being used	Chemistry Lab <a href="mailto:SM-MACChemical@dot.state.fl.us">SM-MACChemical@dot.state.fl.us</a>
916 – Bituminous Materials, Program [Project Samples]	Select if Asphalt is on the contract	SMO tests binder and asphalt mix to determine if the appropriate binder for the mix is being used	Chemistry Lab <a href="mailto:SM-MACChemical@dot.state.fl.us">SM-MACChemical@dot.state.fl.us</a>
916 -- Bituminous Materials, Program [Emulsion Control Program]	Select if base (for Prime) or Asphalt (for tack) is on the contract	SMO tests prime and tack for Binder Control Program requirements	

## Concrete

MAC Material	Used for	Comments	SMO Technical Unit
<b>125 – Excavation for Structures and Pipe</b>	<b>Do not select</b>	<b>Use 120 instead</b>	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
346 – Portland Cement Concrete	Structural concrete	<b>For contracts let before 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
346 – Structural Portland Cement Concrete	Structural concrete	<b>For contracts on or after 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
415 – Reinforcing for Concrete	Metal chairs & bolsters, plastic chairs & bolsters, plastic tips. Do not select for rebar See MAC Material 931	For contracts let <b>on or after 07/01/2016</b> , collect the certification for metal chairs & bolsters, plastic chairs & bolsters or plastic tips	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
<b>415 – Reinforcing Steel</b>	<b>Do not select</b>	<b>Do not select for projects let on or after 07/01/2016</b>	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
<b>453 – Epoxy Jointing of Precast Segments</b>	<b>Do not select</b>	<b>Do not select for projects let on or after 07/01/2017</b>	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
925 – Curing Materials for Concrete	Burlap, White Burlap-Polyethylene, Type 1 – Clear Membrane-Forming Curing Compound, Type 2 - White Pigmented, Membrane-Forming Curing Compound	Select for certification collected by Contractor from manufacturer	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
931 – Metal Accessory Materials for Concrete Pavement and Concrete Structures	Reinforcing steel, welded wire reinforcement, metal materials for joints in concrete pavement (See 415 for spacers)		Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
937 – Post-Installed Anchor Systems for Structural Applications in Concrete Elements			Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>

See also [Crash Cushions and Attenuators](#), [Concrete Barriers](#), [Traffic Railings](#), and [Parapets](#), [Concrete Bridges and Box Culverts](#), [Auger Cast Pile Grout for Bridges](#), [Drainage](#), [Concrete Pavement](#)

## Crash Cushions and Attenuators

MAC Material	Used for	Comments	SMO Technical Unit
346 – Portland Cement Concrete	Structural concrete	<b><i>For contracts let before 01/01/2020</i></b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
346 – Structural Portland Cement Concrete	Structural concrete	<b><i>For contracts on or after 01/01/2020</i></b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
347 – Portland Cement Concrete – Class NS	Any nonstructural concrete such as curb and gutter (520), sidewalk (522), ditch pavement (524)	Method of acceptance language is <b><i>in Specification Section 347</i></b> Nonstructural Specification Sections, such as <b><i>Section 520</i></b> reference <b><i>Section 347</i></b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>

## Concrete Barriers, Traffic Railings, and Parapets

MAC Material	Used for	Comments	SMO Technical Unit
105 – Incidental Precast Concrete Product Certification	Sound barriers, retaining walls, traffic barriers, light pole foundations, pull & junction boxes, CCTV poles, light poles	Select if there are incidental precast products for reminder to collect the certification from the incidental precast producer	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
120 – Excavation and Embankment	Embankment & excavation for roadway, structures & pipe	Embankment, structures & pipe backfill for example, sign or light poles	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
121 – Flowable Fill	Beddings, encasements, closures for tanks & pipes, general backfill for trenches, embankments & walls		Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
<b>125 – Excavation for Structures and Pipe</b>	<b>Do not select</b>	<b>Use 120 instead</b>	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
160 – Stabilizing			Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
200 – Rock Base	Any rock base (limerock, shell rock, etc.)		Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
346 – Portland Cement Concrete	Structural concrete	<b>For contracts let before 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
346 – Structural Portland Cement Concrete	Structural concrete	<b>For contracts on or after 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
347 – Portland Cement Concrete – Class NS	Any nonstructural concrete such as curb and gutter (520), sidewalk (522), ditch pavement (524)	Method of acceptance language is <b>in Specification Section 347</b> Nonstructural Specification Sections, such as <b>Section 520</b> reference <b>Section 347</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
415 – Reinforcing for Concrete	Metal chairs & bolsters, plastic chairs & bolsters, plastic tips. Do not select for rebar See MAC Material 931	For contracts let <b>on or after 07/01/2016</b> , collect the certification for metal chairs & bolsters, plastic chairs & bolsters or plastic tips	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>

MAC Material	Used for	Comments	SMO Technical Unit
<b>415 – Reinforcing Steel</b>	<b>Do not select</b>	<b>Do not select for projects let on or after 07/01/2016</b>	Corrosion <a href="#">SM-MACCorrosion</a>
901 – Coarse Aggregate	coarse aggregate for MSE walls (Section 548)	Select this material to add a reminder on the JGS to collect the certified delivery ticket for the aggregate producer	Aggregates <a href="mailto:SM-Aggregates@dot.state.fl.us">SM-Aggregates@dot.state.fl.us</a>
925 – Curing Materials for Concrete	Burlap, White Burlap-Polyethylene	Select for certification collected by Contractor from manufacturer	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
931 – Metal Accessory Materials for Concrete Pavement and Concrete Structures	Reinforcing steel, welded wire reinforcement, metal materials for joints in concrete pavement (See 415 for spacers)		Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
932 – Nonmetallic Accessory Materials for Concrete Pavement and Concrete Structures	Bridge Bearing Pads or Ancillary Bearing Pads, Preformed Joint Filler, Low Modulus Silicone Sealant, compressive seals & adhesive lubricant	Submit certified mill analysis to SMO for review Low Modulus Silicon sealant requires a sample to be taken & sent to the SMO for testing	Corrosion <a href="#">SM-MACCorrosion</a>
932FRP – Fiber Reinforced Polymer (FRP) Reinforcing Bars	Carbon FRP bars, glass FRP bars	Submit physical sample & certification to SMO	Corrosion <a href="#">SM-MACCorrosion</a>
937 – Post-Installed Anchor Systems for Structural Applications in Concrete Elements			Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
949 – Brick and Concrete Masonry Units for Manholes, Inlets and Other Structures	Clay or shale bricks, concrete blocks, concrete bricks	For contracts let <b>between 07/01/2013 to 06/30/2015</b> , select this material to add a reminder on the JGS to collect the certification from the manufacturer	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>

MAC Material	Used for	Comments	SMO Technical Unit
949 – Miscellaneous Components for Manholes, Inlets, and Other Structures	Clay or shale bricks, concrete blocks, concrete bricks	For contracts let <i>on or after 07/01/2015</i> , select this material to add a reminder on the JGS to collect the certification from the manufacturer	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
962 – Structural Steel and Miscellaneous Metal Items (Other than Aluminum)	Anchor rods & bridge bearing materials, bolts, nuts & washers not designated as high strength, high strength bolts, nuts, washers & direct-tension indicators, iron castings, miscellaneous metal items, steel castings, steel forgings, structural steel, sheet piling, stay in place forms	Select for contracts with structural steel & other items in Section 962 that require a certified mill analysis to be submitted to SMO for review. If the structural steel product is receiving a commercial inspection, the certified mill analysis does not have to be submitted to SMO for review.	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
<b>965 – General Provisions for Aluminum Items (Including Welding)</b>	<b>Do not select</b>	<b>For contracts let on or after 01/01/2016, do not select</b>	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
985 – Geosynthetic Materials	Geosynthetic materials for nonstructural and structural applications for drainage, erosion control, reinforcement, separation, or stabilization	Submit a physical sample & certification from the manufacturer to the SMO for review except for erosion control	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>

## Auger Cast Pile Grout

This is for auger cast pile grout under **Specification Section 455 E. Structures (Other Than Bridge) Foundations-Auger Cast Piles**. See [Auger Cast Pile Grout for Bridges](#) if the auger cast pile is for a bridge.

MAC Material	Used for	Comments	SMO Technical Unit
455 – Structures Foundations	Auger Cast Pile Grout sampling & testing	Select for plastic & hardened properties of auger cast pile grout	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>

## Concrete Bridges and Box Culverts

MAC Material	Used for	Comments	SMO Technical Unit
<b>125 – Excavation for Structures and Pipe</b>	<b>Do not select</b>	<b>Use 120 instead</b>	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
346 – Portland Cement Concrete	Structural concrete	<b>For contracts let before 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
346 – Structural Portland Cement Concrete	Structural concrete	<b>For contracts on or after 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
347 – Portland Cement Concrete – Class NS	Any nonstructural concrete such as curb and gutter (520), sidewalk (522), ditch pavement (524)	Method of acceptance language is <b>in Specification Section 347</b> Nonstructural Specification Sections, such as <b>Section 520</b> reference <b>Section 347</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
415 – Reinforcing for Concrete	Metal chairs & bolsters, plastic chairs & bolsters, plastic tips. Do not select for rebar See MAC Material 931	For contracts let <b>on or after 07/01/2016</b> , collect the certification for metal chairs & bolsters, plastic chairs & bolsters or plastic tips	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
<b>415 – Reinforcing Steel</b>	<b>Do not select</b>	<b>Do not select for projects let on or after 07/01/2016</b>	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>

MAC Material	Used for	Comments	SMO Technical Unit
449 – Precast Concrete Drainage Products	Box Culvert	Adds a reminder on the JGS to collect the certification from the incidental precast producer	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
450 – Precast Prestressed Concrete Construction	Prestressed Concrete Products	Adds a reminder on the JGS to collect the certification from the prestressed producer	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
<b>453 – Epoxy Jointing of Precast Segments</b>	<b>Do not select</b>	<b>Do not select for projects let on or after 07/01/2017</b>	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
457 – Integral Pile Jackets		Contact the SMO Corrosion Section before work begins	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
506 – Bridge Drainage System	Aluminum bridge drainage system	Certified mill analysis required on <b>contracts let before 07/01/2025</b>	MAC Support <a href="mailto:FDOT-MACSupport@dot.state.fl.us">FDOT-MACSupport@dot.state.fl.us</a>
530 – Riprap	Project Specific Riprap, Bedding Stone, Bank & Shore Riprap, Ditch Bank Lining, Gabion Basket Stone, Sand Cement Riprap	Select this material for contracts let <b>before 07/01/2015</b> for certified delivery ticket from the aggregate producer	Aggregates <a href="mailto:SM-Aggregates@dot.state.fl.us">SM-Aggregates@dot.state.fl.us</a>
530 – Riprap and Articulating Concrete Block Revetment Systems	Project Specific Riprap, Bedding Stone, Bank & Shore Riprap, Ditch Bank Lining, Gabion Basket Stone, Sand Cement Riprap		Aggregates <a href="mailto:SM-Aggregates@dot.state.fl.us">SM-Aggregates@dot.state.fl.us</a>
530 – Revetment Systems	Project Specific Riprap, Bedding Stone, Bank & Shore Riprap, Ditch Bank Lining, Gabion Basket Stone, Sand Cement Riprap		Aggregates <a href="mailto:SM-Aggregates@dot.state.fl.us">SM-Aggregates@dot.state.fl.us</a>
901 – Coarse Aggregate	#57 pipe bedding (Section 125) coarse aggregate for MSE walls (Section 548) French Drain (Standard Index 285)	Select this material to add a reminder on the JGS to collect the certified delivery ticket for the aggregate producer	Aggregates <a href="mailto:SM-Aggregates@dot.state.fl.us">SM-Aggregates@dot.state.fl.us</a>
925 – Curing Materials for Concrete	Burlap, White Burlap-Polyethylene	Select for certification collected by Contractor from manufacturer	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>

MAC Material	Used for	Comments	SMO Technical Unit
931 – Metal Accessory Materials for Concrete Pavement and Concrete Structures	Reinforcing steel, welded wire reinforcement, metal materials for joints in concrete pavement (See 415 for spacers)		Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
932 – Nonmetallic Accessory Materials for Concrete Pavement and Concrete Structures	Bridge Bearing Pads or Ancillary Bearing Pads, Preformed Joint Filler, Low Modulus Silicone Sealant, compressive seals & adhesive lubricant	Submit certified mill analysis to SMO for review Low Modulus Silicon sealant requires a sample to be taken & sent to the SMO for testing	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
932FRP – Fiber Reinforced Polymer (FRP) Reinforcing Bars	Carbon FRP bars, glass FRP bars	Submit physical sample & certification to SMO	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
937 – Post-Installed Anchor Systems for Structural Applications in Concrete Elements			Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
951 – Inspection of Timber Products	Timber piles, offset blocks, posts, fencing	Select this material to add a reminder on the JGS to collect the certification from the manufacturer	Structural Steel Materials <a href="mailto:SM-StructuresCI@dot.state.fl.us">SM-StructuresCI@dot.state.fl.us</a>
<b>955 – Timber Treatment (Including Treating Materials)</b>	<b>Do not select</b>	MAC Spec has been disabled	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
962 – Structural Steel and Miscellaneous Metal Items (Other than Aluminum)	Anchor rods & bridge bearing materials, bolts, nuts & washers not designated as high strength, high strength bolts, nuts, washers & direct-tension indicators, iron castings, miscellaneous metal items, steel castings, steel forgings, structural steel, sheet piling, stay in place forms	Select for contracts with structural steel & other items in Section 962 that require a certified mill analysis to be submitted to SMO for review If the structural steel product is receiving a commercial inspection, the certified mill analysis does not have to be submitted to SMO for review	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>

MAC Material	Used for	Comments	SMO Technical Unit
<b>965 – General Provisions for Aluminum Items (Including Welding)</b>	<b>Do not select</b>	<i>For contracts let on or after 01/01/2016, do not select</i>	Corrosion <a href="#">SM-MACCorrosion</a>
985 – Geosynthetic Materials	Geosynthetic materials for nonstructural and structural applications for drainage, erosion control, reinforcement, separation, or stabilization	Submit a physical sample & certification from the manufacturer to the SMO for review except for erosion control	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>

## Auger Cast Pile Grout for Bridges

MAC Material	Used for	Comments	SMO Technical Unit
346 – Portland Cement Concrete	Structural concrete	<b><i>For contracts let before 01/01/2020</i></b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
346 – Structural Portland Cement Concrete	Structural concrete	<b><i>For contracts on or after 01/01/2020</i></b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
415 – Reinforcing for Concrete	Metal chairs & bolsters, plastic chairs & bolsters, plastic tips. Do not select for rebar See MAC Material 931	For contracts let <b><i>on or after 07/01/2016</i></b> , collect the certification for metal chairs & bolsters, plastic chairs & bolsters or plastic tips	Corrosion <a href="#">SM-MACCorrosion</a>
<b>415 – Reinforcing Steel</b>	<b>Do not select</b>	<b><i>Do not select for projects let on or after 07/01/2016</i></b>	Corrosion <a href="#">SM-MACCorrosion</a>
<b>455 – Structures Foundations</b>	<b>Do not select for auger cast pile grout for bridges</b>		Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
925 – Curing Materials for Concrete	Burlap, White Burlap-Polyethylene	Select for certification collected by Contractor from manufacturer	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
931 – Metal Accessory Materials for Concrete Pavement and Concrete Structures	Reinforcing steel, welded wire reinforcement, metal materials for joints in concrete pavement (See 415 for spacers)		Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>

## Drainage

MAC Material	Used for	Comments	SMO Technical Unit
120 – Excavation and Embankment	Embankment & excavation for roadway, structures & pipe	Embankment, structures & pipe backfill for example, sign or light poles	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
121 – Flowable Fill	Beddings, encasements, closures for tanks & pipes, general backfill for trenches, embankments & walls		Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
<b>125 – Excavation for Structures and Pipe</b>	<b>Do not select</b>	<b>Use 120 instead</b>	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
160 – Stabilizing			Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
200 – Rock Base	Any rock base (limerock, shell rock, etc.)		Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
346 – Portland Cement Concrete	Structural concrete	<b>For contracts let before 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
346 – Structural Portland Cement Concrete	Structural concrete	<b>For contracts on or after 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
347 – Portland Cement Concrete – Class NS	Any nonstructural concrete such as curb and gutter (520), sidewalk (522), ditch pavement (524)	Method of acceptance language is <b>in Specification Section 347</b> Nonstructural Specification Sections, such as <b>Section 520</b> reference <b>Section 347</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
415 – Reinforcing for Concrete	Metal chairs & bolsters, plastic chairs & bolsters, plastic tips. Do not select for rebar See MAC Material 931	For contracts let <b>on or after 07/01/2016</b> , collect the certification for metal chairs & bolsters, plastic chairs & bolsters or plastic tips	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
<b>415 – Reinforcing Steel</b>	<b>Do not select</b>	<b>Do not select for projects let on or after 07/01/2016</b>	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>

MAC Material	Used for	Comments	SMO Technical Unit
449 – Precast Concrete Drainage Products	Precast Concrete Drainage Structures, Precast Concrete Pipe	Adds a reminder on the JGS to collect the certification from the incidental precast producer	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
901 – Coarse Aggregate	#57 pipe bedding (Section 125) coarse aggregate for MSE walls (Section 548) French Drain (Standard Index 285)	Select this material to add a reminder on the JGS to collect the certified delivery ticket for the aggregate producer	Aggregates <a href="mailto:SM-Aggregates@dot.state.fl.us">SM-Aggregates@dot.state.fl.us</a>
902 – Fine Aggregate	Masonry sand (Section 425) Underdrain Sand (Standard Index 286)	Select this material to add a reminder on the JGS to collect the certified delivery ticket for the aggregate producer	Aggregates <a href="mailto:SM-Aggregates@dot.state.fl.us">SM-Aggregates@dot.state.fl.us</a>
925 – Curing Materials for Concrete	Burlap, White Burlap-Polyethylene	Select for certification collected by Contractor from manufacturer	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
931 – Metal Accessory Materials for Concrete Pavement and Concrete Structures	Reinforcing steel, welded wire reinforcement, metal materials for joints in concrete pavement (See 415 for spacers)		Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
932 – Nonmetallic Accessory Materials for Concrete Pavement and Concrete Structures	Bridge Bearing Pads or Ancillary Bearing Pads, Preformed Joint Filler, Low Modulus Silicone Sealant, compressive seals & adhesive lubricant	Submit certified mill analysis to SMO for review Low Modulus Silicon sealant requires a sample to be taken & sent to the SMO for testing	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
932FRP – Fiber Reinforced Polymer (FRP) Reinforcing Bars	Carbon FRP bars, glass FRP bars	Submit physical sample & certification to SMO	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
942 – Precast Concrete Pipe Gaskets	Precast concrete pipe cold adhesive preformed plastic gasket	Submit certified test report to SMO for review	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
943 – Corrugated Steel Pipe and Pipe Arch (Including Underdrain)	Corrugated steel pipe & pipe arch, steel trench drain, steel underdrain, steel french drain	Submit certified test report to SMO for review	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
944 – Structural Plate Steel Pipe and Pipe Arch	Structural Plate Steel Pipe & Pipe Arch Culvert, bituminous coating	Submit certified test report to SMO for review	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>

MAC Material	Used for	Comments	SMO Technical Unit
945 – Aluminum Pipe, Including Underdrain, Pipe Arch and Structural Plate Pipe and Pipe Arch	Aluminum Pipe, Including Underdrain, Pipe Arch & Structural Plate, Pipe & Pipe Arch, Bituminous Coating	Submit certified test report to SMO for review	Corrosion <a href="#">SM-MACCorrosion</a>
948 – Optional Drainage Products and Liner Repair Systems	Corrugated PVC pipe, Class II HDPE pipe, Class II polypropylene pipe	Submit a physical sample & certification from the manufacturer to the SMO for review	Corrosion <a href="#">SM-MACCorrosion</a>
949 – Brick and Concrete Masonry Units for Manholes, Inlets and Other Structures	Clay or shale bricks, concrete blocks, concrete bricks	For contracts let <b>between 07/01/2013 to 06/30/2015</b> , select this material to add a reminder on the JGS to collect the certification from the manufacturer	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
949 – Miscellaneous Components for Manholes, Inlets, and Other Structures	Clay or shale bricks, concrete blocks, concrete bricks	For contracts let <b>on or after 07/01/2015</b> , select this material to add a reminder on the JGS to collect the certification from the manufacturer	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
962 – Structural Steel and Miscellaneous Metal Items (Other than Aluminum)	Anchor rods & bridge bearing materials, bolts, nuts & washers not designated as high strength, high strength bolts, nuts, washers & direct-tension indicators, iron castings, miscellaneous metal items, steel castings, steel forgings, structural steel, sheet piling, stay in place forms	Select for contracts with structural steel & other items in Section 962 that require a certified mill analysis to be submitted to SMO for review If the structural steel product is receiving a commercial inspection, the certified mill analysis does not have to be submitted to SMO for review	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>

<b>MAC Material</b>	<b>Used for</b>	<b>Comments</b>	<b>SMO Technical Unit</b>
985 – Geosynthetic Materials	Geosynthetic materials for nonstructural and structural applications for drainage, erosion control, reinforcement, separation, or stabilization	Submit a physical sample & certification from the manufacturer to the SMO for review except for erosion control	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>

## Concrete Pavement

MAC Material	Used for	Comments	SMO Technical Unit
346 – Portland Cement Concrete	Structural concrete	<b>For contracts let before 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
346 – Structural Portland Cement Concrete	Structural concrete	<b>For contracts on or after 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
350 – Cement Concrete Pavement	Concrete Pavement		Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
352 – Grinding Concrete Pavement		Only select if the 352 Special Provision is part of the contract package	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
353 – Concrete Pavement Slab Replacement	Concrete slab replacement		Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
415 – Reinforcing for Concrete	Metal chairs & bolsters, plastic chairs & bolsters, plastic tips. Do not select for rebar See MAC Material 931	For contracts let <b>on or after 07/01/2016</b> , collect the certification for metal chairs & bolsters, plastic chairs & bolsters or plastic tips	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
<b>415 – Reinforcing Steel</b>	<b>Do not select</b>	<b>Do not select for projects let on or after 07/01/2016</b>	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
<b>453 – Epoxy Jointing of Precast Segments</b>	<b>Do not select</b>	<b>Do not select for projects let on or after 07/01/2017</b>	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
925 – Curing Materials for Concrete	Burlap, White Burlap-Polyethylene, Type 1 – Clear Membrane-Forming Curing Compound, Type 2 - White Pigmented, Membrane-Forming Curing Compound	Select for certification collected by Contractor from manufacturer	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
931 – Metal Accessory Materials for Concrete Pavement and Concrete Structures	Reinforcing steel, welded wire reinforcement, metal materials for joints in concrete pavement (See 415 for spacers)		Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>

MAC Material	Used for	Comments	SMO Technical Unit
932 – Nonmetallic Accessory Materials for Concrete Pavement and Concrete Structures	Bridge Bearing Pads or Ancillary Bearing Pads, Preformed Joint Filler, Low Modulus Silicone Sealant, compressive seals & adhesive lubricant	Submit certified mill analysis to SMO for review Low Modulus Silicon sealant requires a sample to be taken & sent to the SMO for testing	Corrosion <a href="#">SM-MACCorrosion</a>
932FRP – Fiber Reinforced Polymer (FRP) Reinforcing Bars	Carbon FRP bars, glass FRP bars	Submit physical sample & certification to SMO	Corrosion <a href="#">SM-MACCorrosion</a>
937 – Post-Installed Anchor Systems for Structural Applications in Concrete Elements			Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>

## Edgedrain/Draincrete

MAC Material	Used for	Comments	SMO Technical Unit
234 – Superpave Asphalt Base	Asphalt base course only when there is no other structural asphalt on the project	If there is asphalt base and structural asphalt, select MAC Material 334 and log base and structural samples under 334	Asphalt <a href="mailto:SM-MACBit@dot.state.fl.us">SM-MACBit@dot.state.fl.us</a>
288 – Cement Treated Permeable Base	Sometimes used with Edgedrain ( <b>Specification Section 446</b> )		Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
446 – Edgedrain (Draincrete)			Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
449 – Precast Concrete Drainage Products	Precast Concrete Drainage Structures, Precast Concrete Pipe	Adds a reminder on the JGS to collect the certification from the incidental precast producer	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
945 – Aluminum Pipe, Including Underdrain, Pipe Arch and Structural Plate Pipe and Pipe Arch	Aluminum Pipe, Including Underdrain, Pipe Arch & Structural Plate, Pipe & Pipe Arch, Bituminous Coating	Submit certified test report to SMO for review	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
985 – Geosynthetic Materials	Geosynthetic materials for nonstructural and structural applications for drainage, erosion control, reinforcement, separation, or stabilization	Submit a physical sample & certification from the manufacturer to the SMO for review except for erosion control	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>

## Nonstructural Concrete and Architectural Pavers

MAC Material	Used for	Comments	SMO Technical Unit
347 – Portland Cement Concrete – Class NS	Any nonstructural concrete such as curb and gutter (520), sidewalk (522), ditch pavement (524)	Method of acceptance language is <i>in Specification Section 347</i> Nonstructural Specification Sections, such as <i>Section 520</i> reference <i>Section 347</i>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
526 – Architectural Pavers	Concrete or clay pavers for roadways or commercial driveways (structural), concrete or clay pavers for sidewalks, medians or residential driveways (non-structural)	Nonstructural pavers require a certification from the manufacturer Structural pavers require a certification from the manufacturer and sampling & testing by the SMO	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
925 – Curing Materials for Concrete	Burlap, White Burlap-Polyethylene, Type 1 – Clear Membrane-Forming Curing Compound, Type 2 - White Pigmented, Membrane-Forming Curing Compound	Select for certification collected by Contractor from manufacturer	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
985 – Geosynthetic Materials	Geosynthetic materials for nonstructural and structural applications for drainage, erosion control, reinforcement, separation, or stabilization	Submit a physical sample & certification from the manufacturer to the SMO for review except for erosion control	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>

## Fiber Reinforced Polymer

MAC Material	Used for	Comments	SMO Technical Unit
415 – Reinforcing for Concrete	Metal chairs & bolsters, plastic chairs & bolsters, plastic tips. Do not select for rebar See MAC Material 931	For contracts let <b>on or after 07/01/2016</b> , collect the certification for metal chairs & bolsters, plastic chairs & bolsters or plastic tips	Corrosion <a href="#">SM-MACCorrosion</a>
<b>415 – Reinforcing Steel</b>	<b>Do not select</b>	<b>Do not select for projects let on or after 07/01/2016</b>	Corrosion <a href="#">SM-MACCorrosion</a>
932FRP – Fiber Reinforced Polymer (FRP) Reinforcing Bars	Carbon FRP bars, glass FRP bars	Submit physical sample & certification to SMO	Corrosion <a href="#">SM-MACCorrosion</a>

## Concrete Poles

MAC Material	Used for	Comments	SMO Technical Unit
105 – Incidental Precast Concrete Product Certification	Sound barriers, retaining walls, traffic barriers, light pole foundations, pull & junction boxes, CCTV poles, light poles	Select if there are incidental precast products for reminder to collect the certification from the incidental precast producer	Structural Materials Field Operations <a href="#">SM-StructuresFieldOps@dot.state.fl.us</a>
<b>125 – Excavation for Structures and Pipe</b>	<b>Do not select</b>	<b>Use 120 instead</b>	Soils/Earthwork <a href="#">SM-MACSoilsEarthwork@dot.state.fl.us</a>
347 – Portland Cement Concrete – Class NS	Any nonstructural concrete such as curb and gutter (520), sidewalk (522), ditch pavement (524)	Method of acceptance language is <b>in Specification Section 347</b> Nonstructural Specification Sections, such as <b>Section 520</b> reference <b>Section 347</b>	Physical Lab <a href="#">SM-Physical@dot.state.fl.us</a>

## Guardrail

MAC Material	Used for	Comments	SMO Technical Unit
346 – Portland Cement Concrete	Structural concrete	<b>For contracts let before 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
346 – Structural Portland Cement Concrete	Structural concrete	<b>For contracts on or after 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
937 – Post-Installed Anchor Systems for Structural Applications in Concrete Elements			Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
967 – Components for Guardrail	Steel beams, supports, fastenings & accessories, steel posts, steel blocks	Select for contracts let <b>on or after 07/01/2017</b> , submit certified mill analysis to SMO for review For contracts let on or after 01/01/2020, select to document guardrail stamp inspection (no certified mill analysis)	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
967 – Rail Elements for Guardrail	Steel beams, supports, fastenings & accessories, steel posts, steel blocks	Select for contracts let <b>before 7/01/2017</b> , submit certified mill analysis to SMO for review	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>

## Fence

MAC Material	Used for	Comments	SMO Technical Unit
347 – Portland Cement Concrete – Class NS	Any nonstructural concrete such as curb and gutter (520), sidewalk (522), ditch pavement (524)	Method of acceptance language is <i>in Specification Section 347</i> Nonstructural Specification Sections, such as <i>Section 520</i> reference <i>Section 347</i>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
550 – Fencing	Type A Fence, Type B Fence, Type R Fence		Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>

## Sod/Turf

MAC Material	Used for	Comments	SMO Technical Unit
<b>162 – Prepared Soil Layer</b>	<b>Do not select</b>	<b><i>Deleted from Specifications 07/01/2019</i></b>	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
982 – Fertilizer		Submit certified test report to SMO for review	Chemistry Lab <a href="mailto:SM-MACChemical@dot.state.fl.us">SM-MACChemical@dot.state.fl.us</a>
985 – Geosynthetic Materials	Geosynthetic materials for nonstructural and structural applications for drainage, erosion control, reinforcement, separation, or stabilization	Submit a physical sample & certification from the manufacturer to the SMO for review except for erosion control	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>

## Lighting

MAC Material	Used for	Comments	SMO Technical Unit
105 – Incidental Precast Concrete Product Certification	Sound barriers, retaining walls, traffic barriers, light pole foundations, pull & junction boxes, CCTV poles, light poles	Select if there are incidental precast products for reminder to collect the certification from the incidental precast producer	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
<b>125 – Excavation for Structures and Pipe</b>	<b>Do not select</b>	<b>Use 120 instead</b>	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
346 – Portland Cement Concrete	Structural concrete	<b>For contracts let before 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
346 – Structural Portland Cement Concrete	Structural concrete	<b>For contracts on or after 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
347 – Portland Cement Concrete – Class NS	Any nonstructural concrete such as curb and gutter (520), sidewalk (522), ditch pavement (524)	Method of acceptance language is <b>in Specification Section 347</b> Nonstructural Specification Sections, such as <b>Section 520</b> reference <b>Section 347</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
415 – Reinforcing for Concrete	Metal chairs & bolsters, plastic chairs & bolsters, plastic tips. Do not select for rebar See MAC Material 931	For contracts let <b>on or after 07/01/2016</b> , collect the certification for metal chairs & bolsters, plastic chairs & bolsters or plastic tips	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
<b>415 – Reinforcing Steel</b>	<b>Do not select</b>	<b>Do not select for projects let on or after 07/01/2016</b>	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
925 – Curing Materials for Concrete	Burlap, White Burlap-Polyethylene, Type 1 – Clear Membrane-Forming Curing Compound, Type 2 - White Pigmented, Membrane-Forming Curing Compound	Select for certification collected by Contractor from manufacturer	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
931 – Metal Accessory Materials for Concrete Pavement and Concrete Structures	Reinforcing steel, welded wire reinforcement, metal materials for joints in concrete pavement (See 415 for spacers)		Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>

MAC Material	Used for	Comments	SMO Technical Unit
962 – Structural Steel and Miscellaneous Metal Items (Other than Aluminum)	Anchor rods & bridge bearing materials, bolts, nuts & washers not designated as high strength, high strength bolts, nuts, washers & direct-tension indicators, iron castings, miscellaneous metal items, steel castings, steel forgings, structural steel, sheet piling, stay in place forms	Select for contracts with structural steel & other items in Section 962 that require a certified mill analysis to be submitted to SMO for review If the structural steel product is receiving a commercial inspection, the certified mill analysis does not have to be submitted to SMO for review	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
985 – Geosynthetic Materials	Geosynthetic materials for nonstructural and structural applications for drainage, erosion control, reinforcement, separation, or stabilization	Submit a physical sample & certification from the manufacturer to the SMO for review except for erosion control	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>

## Signing

MAC Material	Used for	Comments	SMO Technical Unit
105 – Incidental Precast Concrete Product Certification	Sound barriers, retaining walls, traffic barriers, light pole foundations, pull & junction boxes, CCTV poles, light poles	Select if there are incidental precast products for reminder to collect the certification from the incidental precast producer	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
121 – Flowable Fill	Beddings, encasements, closures for tanks & pipes, general backfill for trenches, embankments & walls		Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
<b>125 – Excavation for Structures and Pipe</b>	<b>Do not select</b>	<b>Use 120 instead</b>	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
346 – Portland Cement Concrete	Structural concrete	<b>For contracts let before 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
346 – Structural Portland Cement Concrete	Structural concrete	<b>For contracts on or after 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
415 – Reinforcing for Concrete	Metal chairs & bolsters, plastic chairs & bolsters, plastic tips. Do not select for rebar See MAC Material 931	For contracts let <b>on or after 07/01/2016</b> , collect the certification for metal chairs & bolsters, plastic chairs & bolsters or plastic tips	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
<b>415 – Reinforcing Steel</b>	<b>Do not select</b>	<b>Do not select for projects let on or after 07/01/2016</b>	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
925 – Curing Materials for Concrete	Burlap, White Burlap-Polyethylene	Select for certification collected by Contractor from manufacturer	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
931 – Metal Accessory Materials for Concrete Pavement and Concrete Structures	Reinforcing steel, welded wire reinforcement, metal materials for joints in concrete pavement (See 415 for spacers)		Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>

MAC Material	Used for	Comments	SMO Technical Unit
962 – Structural Steel and Miscellaneous Metal Items (Other than Aluminum)	Anchor rods & bridge bearing materials, bolts, nuts & washers not designated as high strength, high strength bolts, nuts, washers & direct-tension indicators, iron castings, miscellaneous metal items, steel castings, steel forgings, structural steel, sheet piling, stay in place forms	Select for contracts with structural steel & other items in Section 962 that require a certified mill analysis to be submitted to SMO for review If the structural steel product is receiving a commercial inspection, the certified mill analysis does not have to be submitted to SMO for review	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
<b>965 – General Provisions for Aluminum Items (Including Welding)</b>	<b>Do not select</b>	<b><i>For contracts let on or after 01/01/2016, do not select</i></b>	Corrosion <a href="#">SM-MACCorrosion</a>

## Signalization

MAC Material	Used for	Comments	SMO Technical Unit
105 – Incidental Precast Concrete Product Certification	Sound barriers, retaining walls, traffic barriers, light pole foundations, pull & junction boxes, CCTV poles, light poles	Select if there are incidental precast products for reminder to collect the certification from the incidental precast producer	Structural Materials Field Operations <a href="mailto:SM-StructuresFieldOps@dot.state.fl.us">SM-StructuresFieldOps@dot.state.fl.us</a>
121 – Flowable Fill	Beddings, encasements, closures for tanks & pipes, general backfill for trenches, embankments & walls		Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
<b>125 – Excavation for Structures and Pipe</b>	<b>Do not select</b>	<b>Use 120 instead</b>	Soils/Earthwork <a href="mailto:SM-MACSoilsEarthwork@dot.state.fl.us">SM-MACSoilsEarthwork@dot.state.fl.us</a>
346 – Portland Cement Concrete	Structural concrete	<b>For contracts let before 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
346 – Structural Portland Cement Concrete	Structural concrete	<b>For contracts on or after 01/01/2020</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
347 – Portland Cement Concrete – Class NS	Any nonstructural concrete such as curb and gutter (520), sidewalk (522), ditch pavement (524)	Method of acceptance language is <b>in Specification Section 347</b> Nonstructural Specification Sections, such as <b>Section 520</b> reference <b>Section 347</b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
415 – Reinforcing for Concrete	Metal chairs & bolsters, plastic chairs & bolsters, plastic tips. Do not select for rebar See MAC Material 931	For contracts let <b>on or after 07/01/2016</b> , collect the certification for metal chairs & bolsters, plastic chairs & bolsters or plastic tips	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
925 – Curing Materials for Concrete	Burlap, White Burlap-Polyethylene	Select for certification collected by Contractor from manufacturer	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
931 – Metal Accessory Materials for Concrete Pavement and Concrete Structures	Reinforcing steel, welded wire reinforcement, metal materials for joints in concrete pavement (See 415 for spacers)		Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>

MAC Material	Used for	Comments	SMO Technical Unit
962 – Structural Steel and Miscellaneous Metal Items (Other than Aluminum)	Anchor rods & bridge bearing materials, bolts, nuts & washers not designated as high strength, high strength bolts, nuts, washers & direct-tension indicators, iron castings, miscellaneous metal items, steel castings, steel forgings, structural steel, sheet piling, stay in place forms	Select for contracts with structural steel & other items in Section 962 that require a certified mill analysis to be submitted to SMO for review If the structural steel product is receiving a commercial inspection, the certified mill analysis does not have to be submitted to SMO for review	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
<b>965 – General Provisions for Aluminum Items (Including Welding)</b>	<b>Do not select</b>	<b><i>For contracts let on or after 01/01/2016, do not select</i></b>	Corrosion <a href="#">SM-MACCorrosion</a>

## Pavement Marking

MAC Material	Used for	Comments	SMO Technical Unit
971 – Pavement Marking Materials	Rumble strips, thermoplastic pavement marking materials, two reactive component pavement marking materials, painted pavement marking materials	For contracts <i>let on or after 07/01/2015</i> , select this material to add a reminder on the JGS to collect the certification from the manufacturer	Chemistry Lab <a href="mailto:SM-MACChemical@dot.state.fl.us">SM-MACChemical@dot.state.fl.us</a>
<b>971 – Traffic Marking Materials</b>	<b>Do not select</b>	For contracts <i>let before 07/01/2015</i>	Chemistry Lab <a href="mailto:SM-MACChemical@dot.state.fl.us">SM-MACChemical@dot.state.fl.us</a>

## Steel Structures

MAC Material	Used for	Comments	SMO Technical Unit
932 – Nonmetallic Accessory Materials for Concrete Pavement and Concrete Structures	Bridge Bearing Pads or Ancillary Bearing Pads, Preformed Joint Filler, Low Modulus Silicone Sealant, compressive seals & adhesive lubricant	Submit certified mill analysis to SMO for review Low Modulus Silicon sealant requires a sample to be taken & sent to the SMO for testing	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
962 – Structural Steel and Miscellaneous Metal Items (Other than Aluminum)	Anchor rods & bridge bearing materials, bolts, nuts & washers not designated as high strength, high strength bolts, nuts, washers & direct-tension indicators, iron castings, miscellaneous metal items, steel castings, steel forgings, structural steel, sheet piling, stay in place forms	Select for contracts with structural steel & other items in Section 962 that require a certified mill analysis to be submitted to SMO for review If the structural steel product is receiving a commercial inspection, the certified mill analysis does not have to be submitted to SMO for review	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>

## Toll/Service Plaza

Coordinate with the State Materials Office. Contracts with this scope generally include many project specific requirements. This is not a complete list of the requirements, just the general ones that may apply.

MAC Material	Used for	Comments	SMO Technical Unit
346 – Portland Cement Concrete	Structural concrete	<b><i>For contracts let before 01/01/2020</i></b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
346 – Structural Portland Cement Concrete	Structural concrete	<b><i>For contracts on or after 01/01/2020</i></b>	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
415 – Reinforcing for Concrete	Metal chairs & bolsters, plastic chairs & bolsters, plastic tips		Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>
925 – Curing Materials for Concrete	Burlap, White Burlap-Polyethylene, Type 1 – Clear Membrane-Forming Curing Compound, Type 2 - White Pigmented, Membrane-Forming Curing Compound	Select for certification collected by Contractor from manufacturer	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
931 – Metal Accessory Materials for Concrete Pavement and Concrete Structures	Reinforcing steel, welded wire reinforcement, metal materials for joints in concrete pavement (See 415 for spacers)		Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
962 – Structural Steel and Miscellaneous Metal Items (Other than Aluminum)	Anchor rods & bridge bearing materials, bolts, nuts & washers not designated as high strength, high strength bolts, nuts, washers & direct-tension indicators, iron castings, miscellaneous metal items, steel castings, steel forgings, structural steel, sheet piling, stay in place forms	Select for contracts with structural steel & other items in Section 962 that require a certified mill analysis to be submitted to SMO for review If the structural steel product is receiving a commercial inspection, the certified mill analysis does not have to be submitted to SMO for review	Physical Lab <a href="mailto:SM-Physical@dot.state.fl.us">SM-Physical@dot.state.fl.us</a>
<b>965 – General Provisions for Aluminum Items (Including Welding)</b>	<b>Do not select</b>	<b><i>For contracts let on or after 01/01/2016, do not select</i></b>	Corrosion <a href="mailto:SM-MACCorrosion">SM-MACCorrosion</a>

