



Construction Update

Flexible Pavement Committee Meeting

July 29, 2026

Richard Hewitt, PE

State Construction Pavement Engineer

State Construction Office

FY 2025-26 Specification Changes

- 330 & 338
 - Added IRI Incentive/Disincentive Smoothness Specifications for Limited Access & Non-Limited Access Roads
 - Removed Ride Number Specifications
 - Separated Straightedge from Laser-Tested Areas
- 330 & 334
 - Added Industry Suggestion to Clarify Roundabout Limits Regarding Straightedge & Density Testing Exceptions in Intersections

FY 2025-26 Specification Changes

- 283 RAP Base
 - Existing 95% Modified Proctor Density (MPD) Results in %Gmm Densities in 70%'s
 - Uses 85% of RAP's Gmm (times 62.4 lb/cf) as Density Target, (not 95% MPD)
 - Provides Better Compaction (85%), Improved Performance, Potential Increased Use of RAP base
 - Expanded Use to Non-Emergency Use, Limited Access Shoulders
 - Additional Changes Made After Discussion with SMO Geotechnical & Asphalt Sections, & Industry
 - SMO Recommended Calling 85% of RAP Gmm the "Calculated Proctor" & Using 95% of "Calculated Proctor" for RAP Acceptance for Non-LA, Shared Use Path, and Non-Traffic Locations

FY 2025-26 Specification Changes

- 285 Optional Base Course
 - Minor Changes Needed Due to 283 Changes in RAP Base Use
- 234 Superpave Asphalt Base
 - Raised Spreadrate Tolerance to +/-10% to Match 10% Pay Quantity Tolerance
- 286 Driveway Base
 - Clarified Plan Quantity Tonnage Determination

2026-27 Specification Changes

- 330-7.6
 - Removed Requirement For Traffic Roller on First Overbuild Course

HOT MIX ASPHALT - GENERAL CONSTRUCTION REQUIREMENTS (REV 6-30-25)

SUBARTICLE 330-7.6 is deleted and the following substituted:

330-7.6 Use of Traffic Roller: ~~Use a traffic roller on the first overbuild course.~~ Use a traffic roller or vibratory roller (unless restricted by the Contract Documents) on the first structural layer placed on an AMI.

Process Review Findings

- Primarily Good Quality Milling & Paving
- Most Tack Coat Coverage is Good
- Some Tack Coverage has bare spots or areas with little coverage
 - Untacked Edges or Corn Rows
- Most Inspection is Good,
 - Some Cases of not keeping up with operations
 - Waiting until later or end of night to determine tack & mix spread rates
- Few Projects with Segregation
 - But were being addressed by the District

Process Review Findings

- Tack Coverage Could Be Better



Process Review Findings

- Excellent Tack Coverage



Process Review Findings

- Excellent Tack Coverage



Process Review Findings

- High Quality,
Smooth Pavement



Process Review Findings

- Excellent Tack Coverage



Process Review Findings

- High Quality,
Smooth Pavement



2023 - Limited Access IRI Project Overview

- 30 Projects
 - Lowest Average Project IRI = 32
 - Highest Average Project IRI = 64
 - (Average) Average Project IRI = 47
- 15 Projects Received Incentive (50%)
 - Highest Average Incentive = \$1,901 per lane mile
 - Greatest Average Disincentive = -\$2,183 per lane mile

2024 - Limited Access IRI Project Overview

- 37 Projects
 - Lowest Average Project IRI = 35
 - Highest Average Project IRI = 69
 - (Average) Average Project IRI = 49
- 22 Projects Received Incentive (59%)
 - Highest Average Incentive = \$1,874 per lane mile
 - Greatest Average Disincentive = -\$2,797 per lane mile
- 1 Project Received 3% Consistency Bonus
 - All LOTs ≤ 55

2025 - Limited Access IRI Project Overview

- 32 Projects
 - Lowest Average Project IRI = 32
 - Highest Average Project IRI = 73
 - (Average) Average Project IRI = 47
- 18 Projects Received Incentive (56%)
 - Highest Average Incentive = \$1,945 per lane mile
 - Greatest Average Disincentive = -\$3,017 per lane mile
- 1 Project Received 3% Consistency Bonus
 - All LOTs $\leq$ 55

IRI Ranges - Limited Access & Non-Limited Access

Table 330-4 Smoothness Class IRI Pay Adjustment Limits				
Smoothness Class	Incentive	Full Pay	Disincentive	Corrective Action / Remove & Replace
1	≤ 35	36 – 42	43 – 95	>95
2	≤ 42	43 – 55	56 – 95	>95
3	≤ 51	52 – 62	63 – 110	>110
4	≤ 61	62 – 85	86 – 125	>125
5	≤ 84	85 – 105	106 – 125	>125
Limited Access	≤ 42	43 – 55	56 – 95	>95

Non-Limited Access IRI Smoothness Projects - 2025-2026

Pilot Projects Only

Fiscal Year	Smoothness Class	FIN	District	Avg IRI	Min IRI	Max IRI	Total Incentive	Lane Miles Tested	Avg. Incentive per Lane Mile	Pilot Project, IRI Added Later
2026	3	44514415201	1	40	21	85	\$42,631	27.65	\$1,542	Pilot Project
2026	4	44804015201	7	54	34	87	\$19,595	15.32	\$1,279	Pilot Project
2026	3	44897415201	1	51	33	76	\$5,012	8.84	\$567	Pilot Project
2026	1	44563115201	3	35	25	54	\$9,512	23.34	\$408	Pilot Project
2026	3	44794815201	7	55	39	85	\$1,082	14.38	\$75	Pilot Project
2026	2	44965615201	1	61	45	82	-\$5,355	3.17	-\$1,688	Pilot Project
2025	3	44575915201	3	41	27	65	\$34,135	20.46	\$1,669	Pilot Project
2025	4	44547315201	1	51	33	87	\$30,776	22.04	\$1,396	Pilot Project
2025	4	44521715201	5	62	37	120	\$11,642	16.70	\$697	Pilot Project
2025	2	44520815201	5	45	30	88	\$876	4.33	\$203	Pilot Project
2025	5	44780615201	6	92	59	118	\$691	3.69	\$187	Pilot Project
2025	3	44620815201	1	55	39	110	\$542	19.46	\$28	Pilot Project
2025	3	44155015201	1	59	32	89	-\$2,102	7.72	-\$272	Pilot Project
2025	3	44617115201	4	62	34	101	-\$15,208	23.24	-\$654	Pilot Project
2025	2	42293855201	2	72	49	91	-\$7,830	2.18	-\$3,589	Pilot Project

Non-Limited Access IRI Smoothness Projects - 2025-2026

Fiscal Year	Smoothness Class	FIN	District	Avg IRI	Min IRI	Max IRI	Total Incentive	Lane Miles Tested	Avg. Incentive per Lane Mile	Pilot Project, IRI Added Later
2026	3	44514415201	1	40	21	85	\$42,631	27.65	\$1,542	Pilot Project
2026	4	44804015201	7	54	34	87	\$19,595	15.32	\$1,279	Pilot Project
2026	3	44965615201	1	50	33	72	\$5,400	8.40	\$643	IRI Added Project
2026	3	44897415201	1	51	33	76	\$5,012	8.84	\$567	Pilot Project
2026	1	44563115201	3	35	25	54	\$9,512	23.34	\$408	Pilot Project
2026	3	44794815201	7	55	39	85	\$1,082	14.38	\$75	Pilot Project
2026	2	44965615201	1	61	45	82	-\$5,355	3.17	-\$1,688	Pilot Project
2025	3	44575915201	3	41	27	65	\$34,135	20.46	\$1,669	Pilot Project
2025	4	44547315201	1	51	33	87	\$30,776	22.04	\$1,396	Pilot Project
2025	4	44521715201	5	62	37	120	\$11,642	16.70	\$697	Pilot Project
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2025	3	44620815201	1	55	39	110	\$542	19.46	\$28	Pilot Project
2025	3	44155015201	1	59	32	89	-\$2,102	7.72	-\$272	Pilot Project
2025	4	44610215201	4	78	52	123	-\$6,972	12.62	-\$552	IRI Added Project
2025	3	44617115201	4	62	34	101	-\$15,208	23.24	-\$654	Pilot Project
2025	2	44622915201	1	57	39	86	-\$12,258	13.19	-\$930	IRI Added Project
2025	3	44163115201	4	63	34	110	-\$44,220	45.86	-\$964	IRI Added Project
2025	2	44559015201	3	58	39	94	-\$32,807	26.10	-\$1,257	IRI Added Project
2025	2	42293855201	2	72	49	91	-\$7,830	2.18	-\$3,589	Pilot Project

Longitudinal Grooving Pilot Projects

- SR 60 - D1 Grooving Completed
- US 19 - D7 Grooving Completed
- I-10 - D3 Grooving Completed
- US 1 - D4

Longitudinal Grooving



Updated QCRR Form

State of Florida Department of Transportation
Asphalt Roadway - Daily Report of Quality Control

LOT # 1
Mix Design # Reload Clear Data

Update Workbook Clear EVERYTHING
Show Bit Cert Page Import from file
View Pay Quantity Sheet remove last lot
Pay Item # Import Show Reports
Assign Pay Item #'s

675-030-20A
CONSTRUCTION
12/03/2025
Form Feedback to:
CCAsphaltForms@dot.state.fl.us

Lift # of #	Start Paving at Station	End Paving at Station	Length (FT)	Width (FT)	Area Paved (SY)	Quantity (TN)	Individual Lift Thickness (in)	Actual Spread Rate (LB/SY)	Target Spread Rate (LB/SY)	Total Thickness (in)	Prorated Base (SY)

BASE ONLY

- 12/3/2025 Version
- Alternate Pay Items Fully Functional
- Shows 5% or 10% Mix Spreadrate Tolerances on “Main” Sheet
 - Always Handled 5% & 10% Pay Quantity Adjustments
- Automated Bituminous Certification Form
 - Yes, Contractors Can Use It
 - Print as PDF & Digitally Sign It (Instructions in QCRR’s Bit Cert Form)
 - If Pushback on Use is Received, Contact Me to Resolve

QCRR Training

- 2025/26 Traveled to Districts to Provide QCRR Training Classes
- Training Covers
 - Basic Data Entry
 - Automated Bit Cert Form
 - Pay Quantity Adjustments
 - Hidden “Data” Sheet Sort & Filter as needed
 - Overbuild vs Non-Overbuild & Pay Quantity Impacts
 - Black Base (Required vs Optional) & Bit Adjustment Pay Impacts
 - Pivot Tables & Pivot Reports Useful for Managing Project
 - Tips & Tricks
- Contact Rich Hewitt for Additional QCRR Training

New VTRR – Form # 675-030-21A

- VT's Use Either VTRR Form
 - 675-030-21 or 675-030-21A
- New Form Looks Like the QCRR & Has Macros In it
 - All Lots in One File
 - Macros Don't Run on Tablets & Smart Phones
- Do VT's Need to Track All Tonnage Like QC?
 - No, VT Inspection Frequencies Remain the Same (CPAM 5.10)
 - One Mix Spreadrate per Day per Lift

Design Constructability Expos

- Brought Together Designers, Contractors, Equipment Providers, & Construction to Discuss
 - Milling & Paving Equipment Capabilities & Limitations
 - Witness Milling & Paving Construction Operations
 - Discuss Design Constructability Challenges & Contractor-Proposed Solutions

Design Constructability Expos

- Asphalt Operations Videos
- Stationary Milling & Paving Equipment Training Expos
- Actual Milling & Paving Operations Expos
 - Milling
 - Sweeping
 - Tacking
 - Paving
 - Compaction
- Concludes with Design Constructability Presentation & Discussion
 - Discuss Design Constructability Issues &
 - Contractor-Proposed Solutions & Design Constructability Guidance

Design Constructability Expos



Design Constructability Expos



Design Constructability Expos



Design Constructability Expos



Design Constructability Expos

- Discussions with Contractors, Designers, & Construction



Design Constructability Expos

- ~~District 2 – Lake City Operations~~
- ~~District 4 – South Florida Fairgrounds~~
- **District 5 Design Constructability Expo**
 - November 17, 2026
 - Kennedy Space Center
- D1 & Other Districts to Follow

Design Constructability Expos – Special Thanks

- Anderson Columbia
- Ranger Construction
- Ajax Paving
- VA Paving
- Preferred Materials
- Middlesex Construction
- CWR
- Halley Engineering Contractors
- General Asphalt
- Duval Asphalt
- Asphalt Contractors Association of Florida (ACAF)
- Ring Power
- Beard Equipment
- Wirtgen
- FDOT Design & Construction – Central Office & Districts

Questions?

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