

OUTLINE

- Track Status
- Spring Schedule
- Features
- 2022 IRI Specification
- IRI Workshop
- 2021 Results

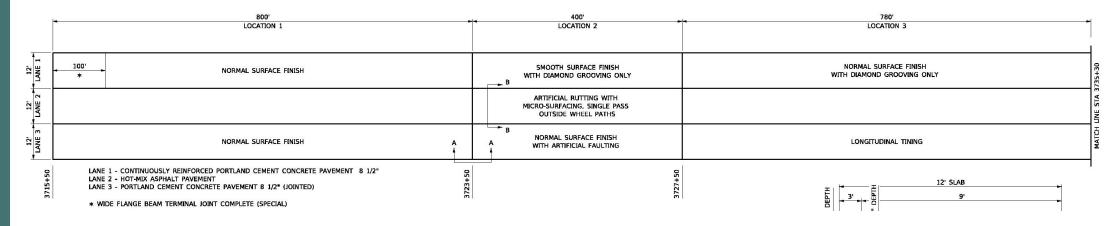
CERTIFICATION TRACK STATUS

- Remains under construction
- 12" Aggregate Improved Subgrade placed
- Weeps holes needed to be cut to help drain the aggregate layer



CURRENT PROGRESS SCHEDULE

HMA Stabilized Subbase – 3/21/2022 thru 3/24/2022		Pour JPCP lane – 4/15/2022 thru 4/18/2022	Pave HMA center lane – 5/6/2022 thru 5/10/2022	Diamond grind finishes on CRCP lane – 5/25/2022 thru 5/26/2022	Diamond grinding artificial faults on JPCP lane
March 21, 2022	April 8, 2022	April 15, 2022	May 6, 2022	May 25, 2022	May 27, 2022



TRACK PLANS - LOCATIONS 1-3

	780'	400'	400'	400'	N
	LOCATION 4	LOCATION 5	LOCATION 6	LOCATION 7	
MATCH LINE STA 3735+30	SMOOTH SURFACE FINISH WITH DIAMOND GRINDING ONLY	SMOOTH SURFACE FINISH	NORMAL SURFACE FINISH	NORMAL SURFACE FINISH *	12' LANE 1
		MICRO-SURFACING, SINGLE PASS	CHIP SEAL		12. LANE 2
	Transverse tining	NORMAL SURFACE FINISH	NORMAL SURFACE FINISH	NORMAL SURFACE FINISH	12. LANE 3
	LANE 1 - CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" LANE 2 - HOT-MIX ASPHALT PAVEMENT LANE 3 - PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" (JOINTED)	3747+10	3751+10	3755+10	

TRACK PLANS - LOCATIONS 4-6



GUIDED TOUR

FUTURE PLANS

New Building for staff and equipment.

Potentially ASTM Friction Rodeo

RPUG Meeting and Equipment Rodeo

Certifications for other states via reciprocity

Research on curling and warping

Research on rejuvenators

Research on texture and friction

OTHER USES Falling Weight
Deflectometer
Calibration
Center

Ground
Penetration Radar
calibrations

Locked-Wheel Skid Tester Force Calibrations Locked-Wheel
Skid Tester
Correlation pads

Mobile retro reflectivity testing and verification

3-D Laser Data
Collection Vehicle
Certification
Center

LOCKED-WHEEL SKID TESTER



GROUND PENETRATING RADAR







FALLING WEIGHT DEFLECTOMETER



2022 IRI SPECIFICATIONS

- Requirement to measure the smoothness changed from 3 to 7 days
- Corrective work on high speed mainline changed from an MRI greater than 100 in./mi. to sublots greater than MRI_D.



IRI WORKSHOP

- March 22, 2022 9:00 a.m. to 3:00 p.m.
- Discuss collection and analysis process of 2021
- Brainstorm ideas for improvement
- ILEAS Training Center
- 1701 E. Main St., Urbana, IL 61802
- https://forms.gle/5HHD7sDUEe9iNP9p6



2022 PEV PROGRAM

- Last year at Rantoul Airport
- Dates April 11th thru April 22nd
- Same procedures as last year
- Register at https://forms.gle/D8gFj2aEbt5L4dyr8
- Scheduling <u>https://profileequipmentverificationprogram.set</u>



IDOT ALR TOOL

- · Created to help identify profile features that are creating ALR
- https://www.idotalrtool.com/
- Displays multiple pieces of information synchronized together
 - ALR analysis
 - IRI Traces
 - Actual Profile
 - Map of the location (if GPS information is provided in file)

2021 IRI RESULTS

- Statewide QC average 49.82 in./mi.
- Statewide QA average 49.93 in./mi.
- Percent improvement lots 3927
- Standard lots 4197
- Average preconst. IRI 127.94 in./mi.



REGION 1 - RESULTS

Lowest Sublot – 39.6 in./mi.

• 62M06 – D Construction, Inc.

Greatest % Improvement – 50.1%

• 62M02 – Iroquois Paving

Lowest Overall IRI for Contract - 59.68 in./mi.

• 62M06 – D Construction, Inc.

REGION 2 - RESULTS

Lowest Sublot – 21.6 in./mi.

• 66K40 - Iroquois Paving Corporation

Greatest % Improvement – 83%

• 64G94 - Advanced Asphalt Co.

Lowest Overall IRI for Contract – 28.9 in./mi.

• 66K40 - Iroquois Paving Corporation

REGION 3 - RESULTS

Lowest Sublot – 24.8 in./mi.

• 70A65 - Rowe Construction

Greatest % Improvement – 79%

68GI6 – Gunther Construction

Lowest Overall IRI for Contract – 34.3 in./mi.

• 70A65 - Rowe Construction

REGION 4 - RESULTS

Lowest Sublot – 25.6 in./mi.

• 72L66 – R.A. Cullinan and Son

Greatest % Improvement – 78%

72L80 – Illinois Valley Paving

Lowest Overall IRI for Contract – 34.1 in./mi.

72L80 – Illinois Valley Paving

REGION 5 - RESULTS

Lowest Sublot – 23.5 in./mi.

• 78810 - E.T. Simmonds Construction Co.

Greatest % Improvement – 72%

• 78785 – E.T. Simmonds Construction Co.

Lowest Overall IRI for Contract – 33.4 in./mi.

• 78810 - E.T. Simmonds Construction Co.

QUESTIONS



Illinois Department of Transportation

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