



WISCONSIN
**CONCRETE
PAVEMENT**
ASSOCIATION

Moving forward with concrete results

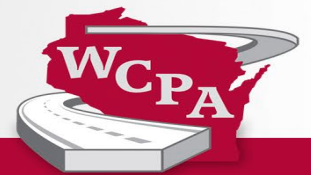
2023

State of the Association

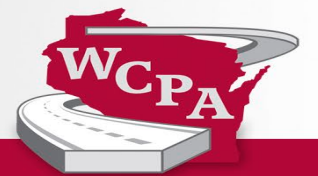
Kevin W. McMullen, P.E.
President

Jackie Spoor
Vice President

Wisconsin Concrete Pavement Association



MEMBERSHIP



Wisconsin Concrete Pavement Association

CONTRACTOR MEMBERS

Augelli Concrete and Excavating

A. W. Oakes and Sons

Mark Cardinal Construction Co.

CPR, Inc.

Interstate Sealing & Concrete, Inc.

Jim Fischer, Inc.

Lalonde Contractors, Inc.

Martell Construction, Inc.

Parisi Construction Company, Inc.

Ptaschinski Construction Company

Raymond P. Cattell, Inc.

Rennhack Construction Co., Inc.

Sommers Construction Co., Inc.

Stark Pavement Corp.

Trierweiler Construction Company

Vinton Construction Company

Zignego Company, Inc.



Wisconsin Concrete Pavement Association

CEMENT MEMBERS

Buzzi Unicem, U.S.A.

Continental Cement

Holcim

Illinois Cement Company

Lehigh Portland Cement Company

St. Mary's Cement Company

Wisconsin Cement Company

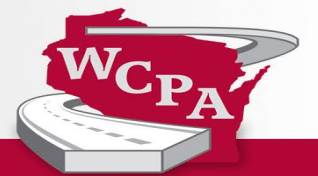
Great Lakes Cement Promotion Council



2023 Associate Members

- Admixture - 8
- Steel - 5
- Ready Mix - 7
- Equipment Companies - 16
- Material Suppliers - 19
- Consultants – 9
- Service - 4

- 68 associate members



Admixture Members

EcoMaterials

Euclid Chemical Co.

GCP Applied Technologies

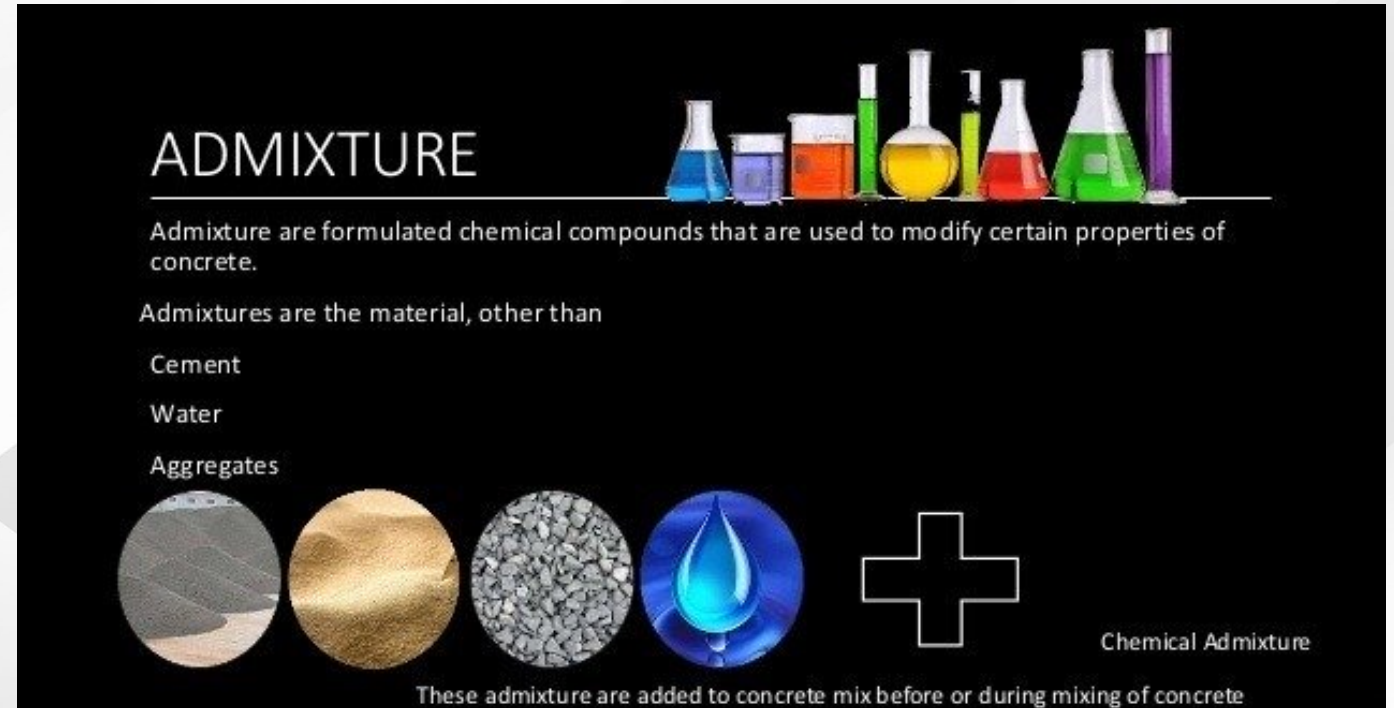
Mapei Corp.

Master Builders Solutions

Premiere Concrete Admixtures, Inc.

Sika Corporation

Specification Products



ADMIXTURE

Admixtures are formulated chemical compounds that are used to modify certain properties of concrete.

Admixtures are the material, other than

- Cement
- Water
- Aggregates

Chemical Admixture

These admixtures are added to concrete mix before or during mixing of concrete

The infographic features a row of laboratory glassware (flasks and beakers) containing various colored liquids. Below this, a diagram shows four circular icons representing concrete components: cement powder, water droplet, and two types of aggregates (sand and gravel). A large white plus sign is positioned to the right of these icons, indicating the addition of chemical admixtures to the mix.

Associate Members

3M

AECOM

American Construction Supplies

American Highway – A Simplex Company

American Engineering Testing, Inc.

American State Equipment Company

Aon

Astec (formally RexCON)

ARTAZN

Bard Materials

Behnke Materials Engineering

Benchmark, Inc.

Brickeye

Brock White Construction Materials

Brown Precast

Brehmer Agency

Butterfield Color, Inc.

Carew Concrete & Supply Co., Inc.

Commercial Metals Paving Solutions

Construction Materials, Inc.

County Materials Corporation

CORRE

Croell Redi-Mix

CTS Cement

Diamond Products

Dixie Diamond Manufacturing

Esch Construction Supply

EZ Drill

Fabick Cat

First Business Bank

Fiber Reinforcement and Consulting

Flores Automation, LLC

GeoTest, Inc.

GESTRA Engineering

GLC Minerals

GOMACO Corporation

Guntert & Zimmerman Construction Div., Inc.

Husqvarna Construction Products

Liberty Mutual Surety

Lincoln Contractor Supply

LYCON, Inc.

MCC, Inc.

McMahon Associates

Miller Formless

Minnich Mfg.

Murphy Concrete & Construction Co.

Neenah Foundry

O-Dowel, Inc.

Power Curbers & Power Pavers

Roland Machinery

Schmitz Ready-Mix, Inc.

Solomon Colors, Inc.

Strong Products, Inc.

Topcon Solutions

W.R. Meadows, Inc.

Western Material & Design/FasTrac Cement

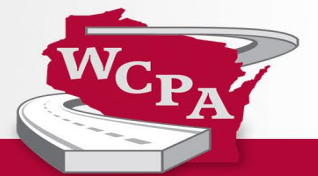
Westwood Infrastructure

Wirtgen

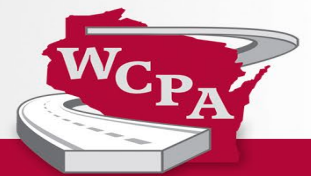
Wisconsin Concrete Pipe Association

Wisconsin Wire & Steel, Inc.

Wyco Tool Company



WCPA Team Expansion

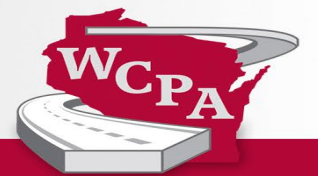




Samantha Graves

Happy ONE YEAR work anniversary to our Business Manager!

- Ms. Zoey Graves arrived on September 27th, 2022
- Sam and John are enjoying their time as new parents!
- WCPA wouldn't be the same without Sam and what she offers our team!



Star Chapter



Event Registration

Meetings and events are at the heart of the value that you provide to your association members. Make the process seamless for them to engage in person or virtually and easy for the local chapter volunteers to manage.



ECommerce

Ensure that your chapter is set up for success with StarChapter Pay. Giving you powerful functionality to make managing your chapter easier. Sustaining solid programming and engaging networking opportunities takes time and money.



Membership Management

Give your association members the value they deserve by offering member only discounts to virtual meetings and in person events, content specifically for them, friendly reminders for their renewals, and more.



Communication

Email fatigue is plaguing association member communities. Make sure you are sending the right message, to the right member, at the right time with the communication tools within StarChapter.



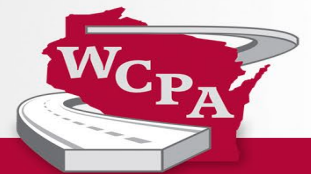
Website & Content

Tailor the website design to fit your chapter with a library of content section options that we have developed based on the needs of the chapters we support. Giving you everything your members need right from the start.



Board & Management

StarChapter gives everyone on the board a central hub to work out of; helping share critical information. We also offer training materials and support to smooth the transition process from one board to the next.



WCPA Annual Conference

When

February 08, 2023 1:00 PM to

February 10, 2023 12:00 PM

Add to Calendar

Tickets

\$500.00 Exhibitor - ONE booth and ONE 2-Day Conference Admission (WCPA MEMBERS ONLY) *Includes 8ft skirted table

\$350.00 2-Day Admission to the Full Conference (Meetings and meals for both Thursday and Friday included)

\$2000.00 Platinum Sponsorship (includes up to 3 conference registrations)

\$1500.00 Thursday Hospitality Sponsorship (includes up to 2 conference registrations)

\$1000.00 Gold Sponsorship (includes up to 2 conference registrations)

Join us in Oshkosh!

On Wednesday (2/8), we will start with our annual membership meeting, followed by a members only social and dinner. Then our two day conference kicks off on Thursday (2/9) and wraps up midday Friday (2/10). The conference will feature several exhibitors, speakers and 8.5 Professional Development Hours (PDH) will be available!

You can register for a single day or activity if you are not able to make the full conference.

Also, be sure to check out Sponsorship and Exhibit opportunities which are available exclusively for WCPA members. Not a member yet? You can apply on our site or email sgraves@wisconcrete.org.

We look forward to seeing everyone in February!

HOTEL RESERVATION

Best Western Premier Waterfront Hotel & Convention Center

1 N. Main Street

Oshkosh, WI 54901

P: (920) 230-1900

Room rate is \$104.99+ taxes

Online reservations can be made [HERE](#) or call (920)

230-1900 and ask for the WCPA Rate

Reservation deadline to lock in group rate: Friday, January 13, 2023

REGISTRATION

Communication

(includes up to 2 conference registrations)

\$500.00 Silver Sponsorship (includes 1 conference registration)

\$ Donation

[Register Now](#)

Directions

Best Western Premier
Waterfront Hotel and
Convention Center
1 North Main Street
OshKosh, WI 54901

[Get Directions](#)

REGISTRATION

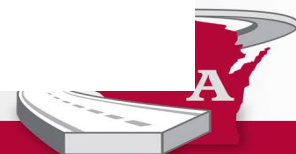
\$350. . . . 2-Day Conference Admission

(Meetings and meals for both Thursday & Friday)

\$500*. . . . (1) Exhibit space & (1) complimentary registration (8ft skirted table & electricity available)

Ala Carte Ticket Options

- FREE*. . . . Wednesday's State of the Association Meeting (WCPA Members only)
 - \$80*. . . . Wednesday's Membership Social & Dinner (WCPA Members only)
 - \$250. . . . Thursday Conference Admission (Meetings, Lunch & Dinner)
 - \$50. . . . Thursday Night Tailgate Dinner
 - \$150. . . . Friday Conference Admission (Meetings & Breakfast)
 - \$175. . . . Additional Exhibit Booth
- *Must be a WCPA member in order to exhibit or attend Wednesday events*



Website & Content



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**CONCRETE
PAVEMENT**
ASSOCIATION

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PLATINUM SPONSOR



GOLD SPONSOR



Wisconsin Concrete Pavement Association Annual Workshop

Leslie Hidde

Welcome to the WCPA Team!

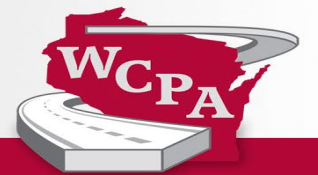
Home: Kaukauna, WI

Family:

- Married to Doug
- Two children , Brecken (14), and Tenley (12)

Experience

- Statewide Concrete Quality Assurance Engineer
- NE Region Materials Engineer
- NE Region Assistant Soil, Pavement & Materials Engineer



WCPA STAFF

- ***Kevin McMullen, P.E.***

- *President*
- *27 years*

- ***Jackie Spoor***

- *Vice President*
- *4.5 years*

- ***Samantha Graves***

- *Business Manager*
- *1 year*

- ***Leslie Hidde, P.E.***

- *Engineering Director*
- *1 week*

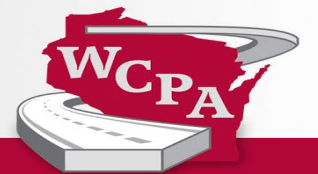
4001 Nakoosa Trail, Suite 101

Madison, WI 53714

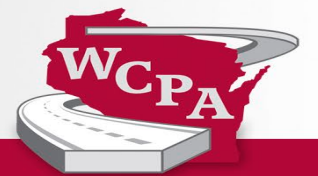
Phone: 608-240-1020

Fax: 608-240-1019

www.wisconcrete.org



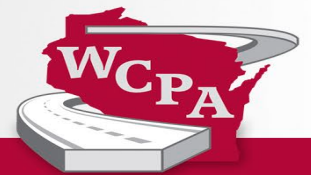
The Concrete Paving Market in Wisconsin



HIGHWAY Pavement Quantities

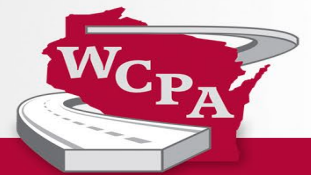
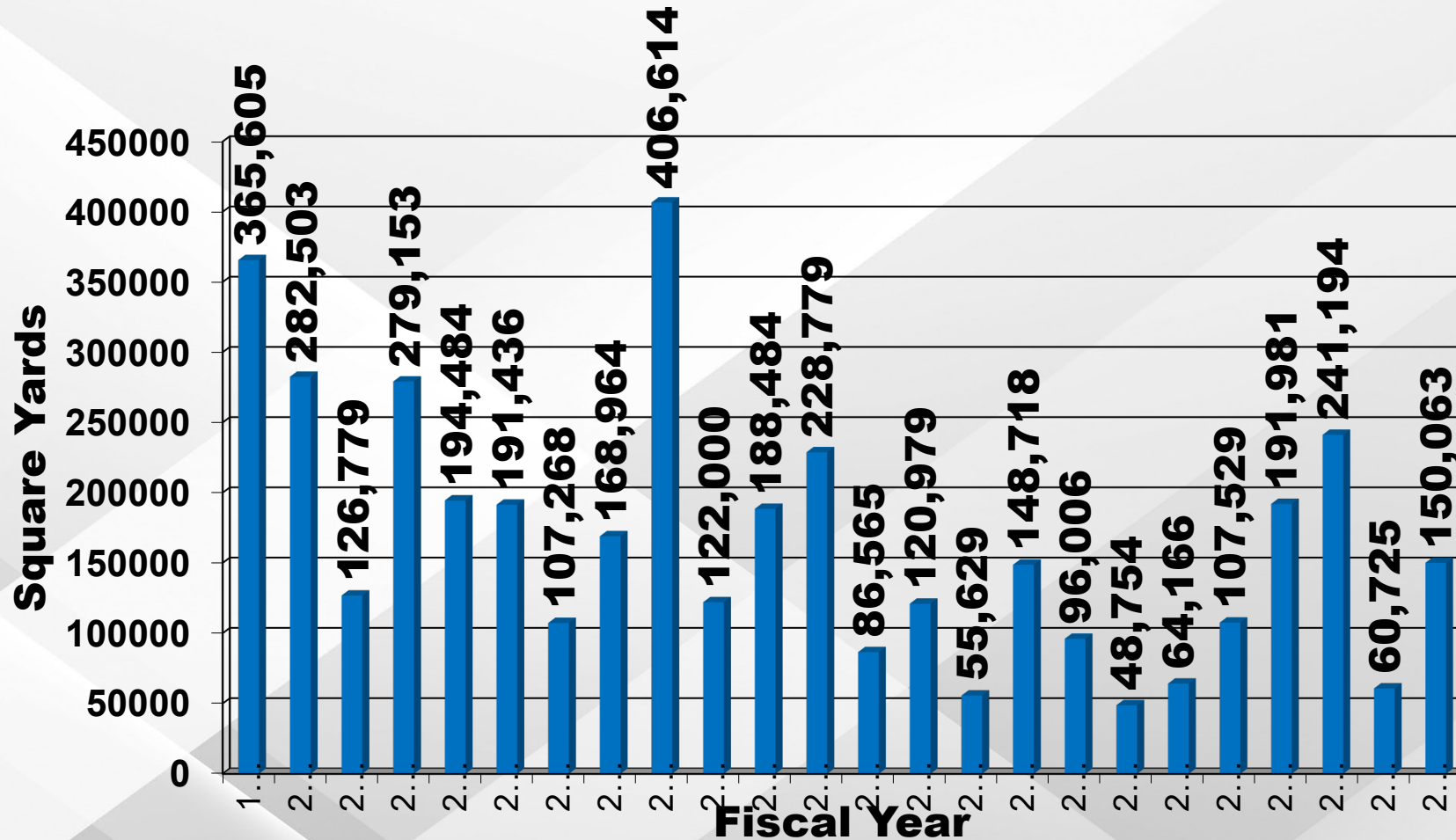


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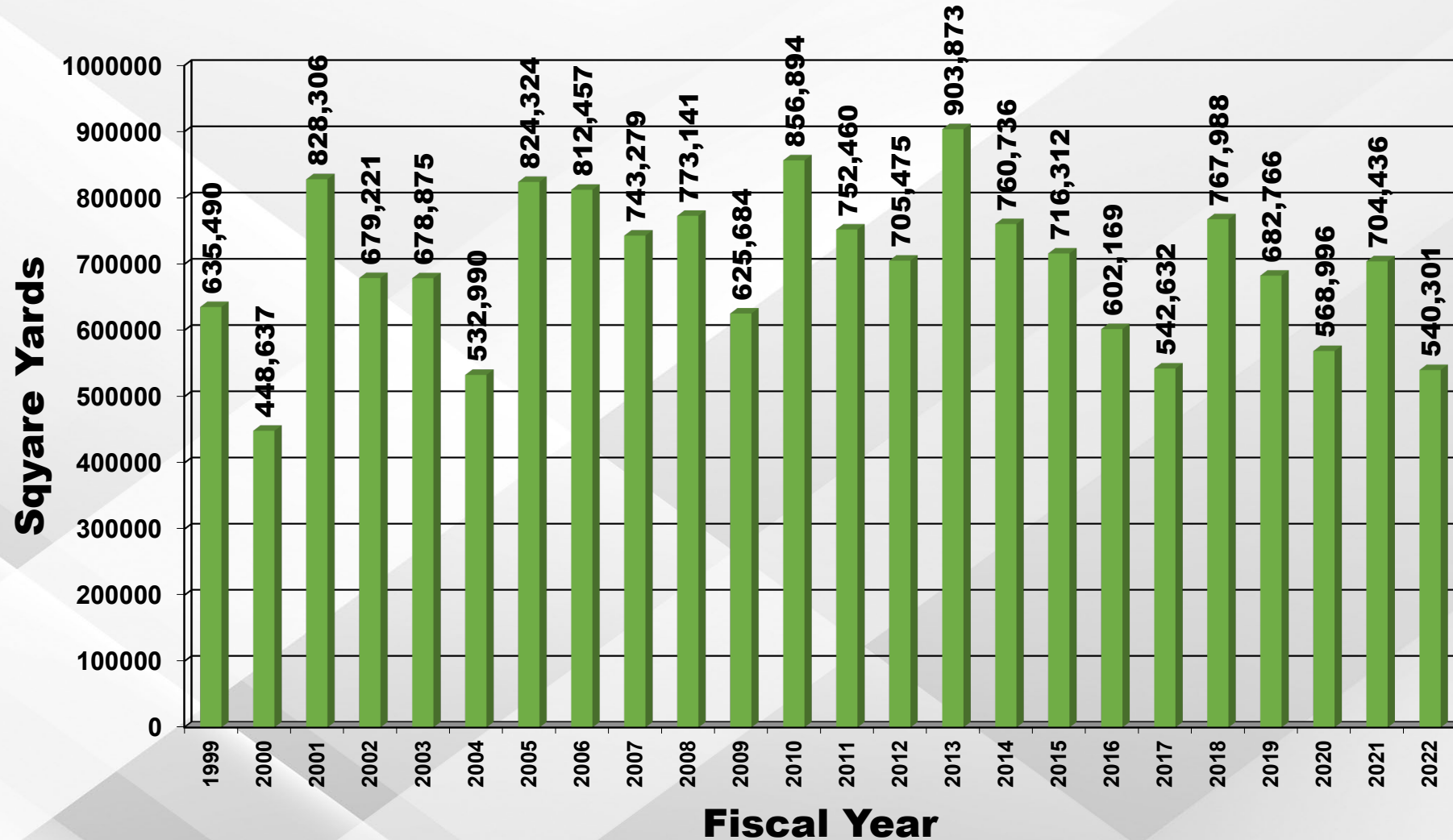
AIRPORT Pavement Quantities

Airport Pavement Quantities

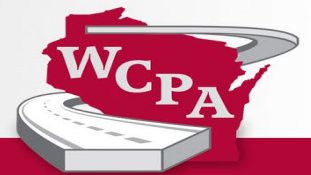


MUNICIPAL Pavement Quantities

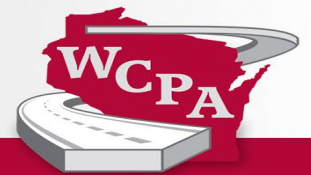
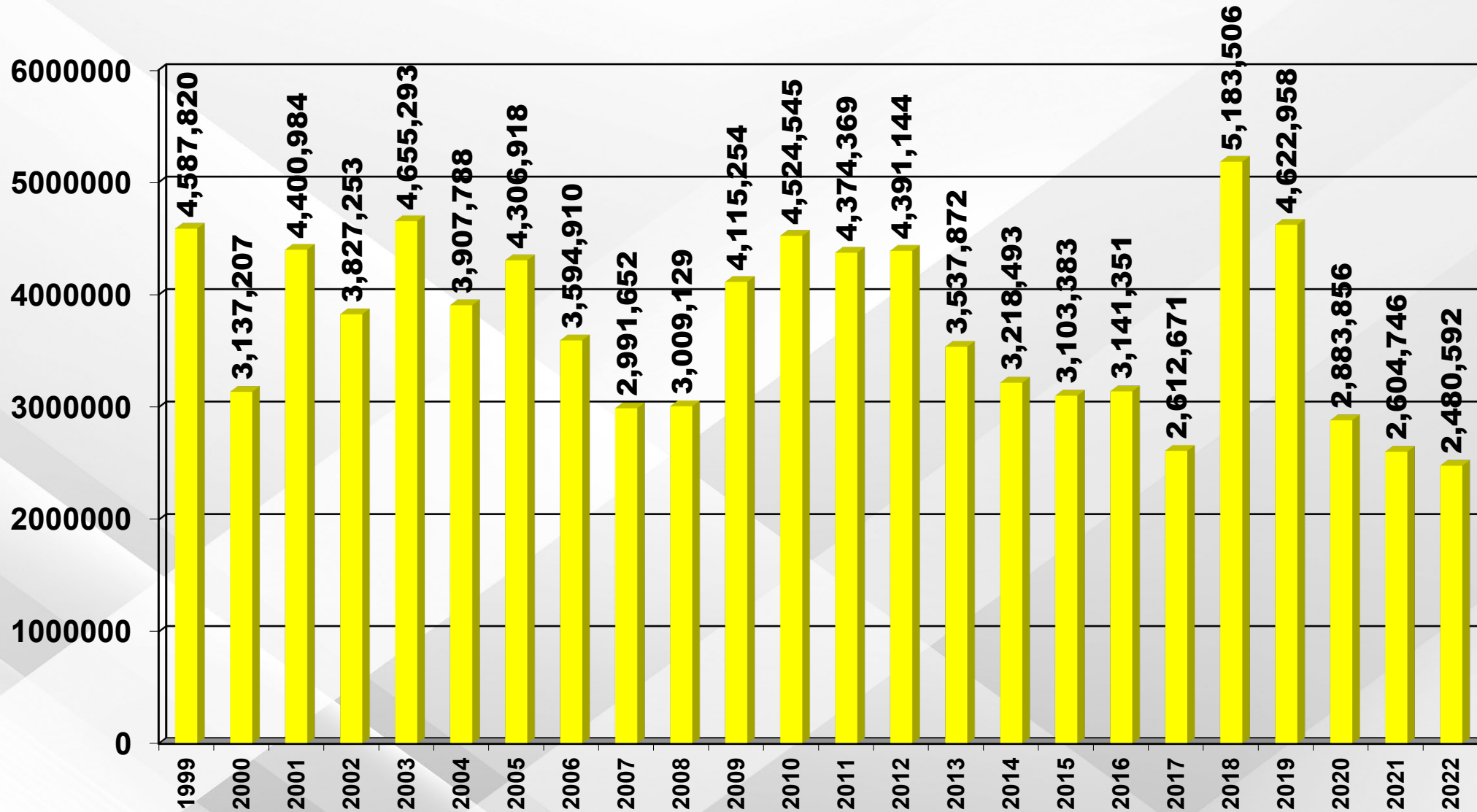
Municipal Pavement Quantities



(PROJECTED)

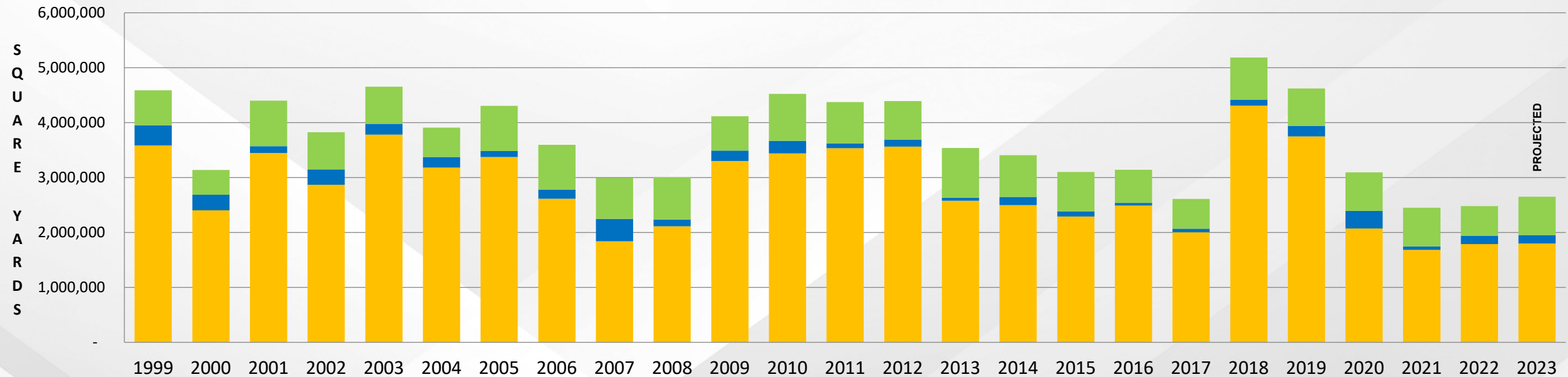


TOTAL Pavement Quantities



Wisconsin Concrete Pavement Quantities

Highway S.Y. Airport S.Y. Municipal S.Y.



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Municipal S.Y.	635,49	448,63	828,30	679,22	678,87	532,99	824,32	812,45	743,27	773,14	625,68	856,89	752,46	705,47	903,87	760,73	716,31	602,16	542,63	767,98	682,76	700,00	704,43	540,30	700,00
Airport S.Y.	365,60	282,50	126,77	279,15	194,48	191,43	107,26	168,96	406,61	122,00	188,48	228,77	86,565	120,97	55,629	148,71	96,006	48,754	64,166	107,52	191,98	320,67	60,725	150,06	150,00
Highway S.Y.	3,586,	2,406,	3,445,	2,868,	3,781,	3,183,	3,375,	2,613,	1,841,	2,113,	3,301,	3,438,	3,535,	3,564,	2,578,	2,498,	2,291,	2,490,	2,005,	4,307,	3,748,	2,073,	1,686,	1,790,	1,802,

Year

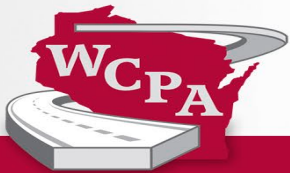
24-year Average of Total Market – 3,684,490 S.Y.

WisDOT – 2,813,198 S.Y.

Airport – 170,554 S.Y.

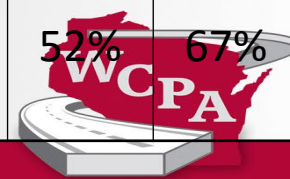
Municipal – 700,738 S.Y.

Estimated industry capacity in Wisconsin is 5.0 Million square yards

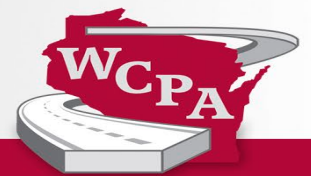


Market Built by Members

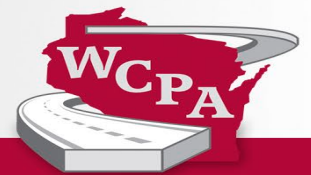
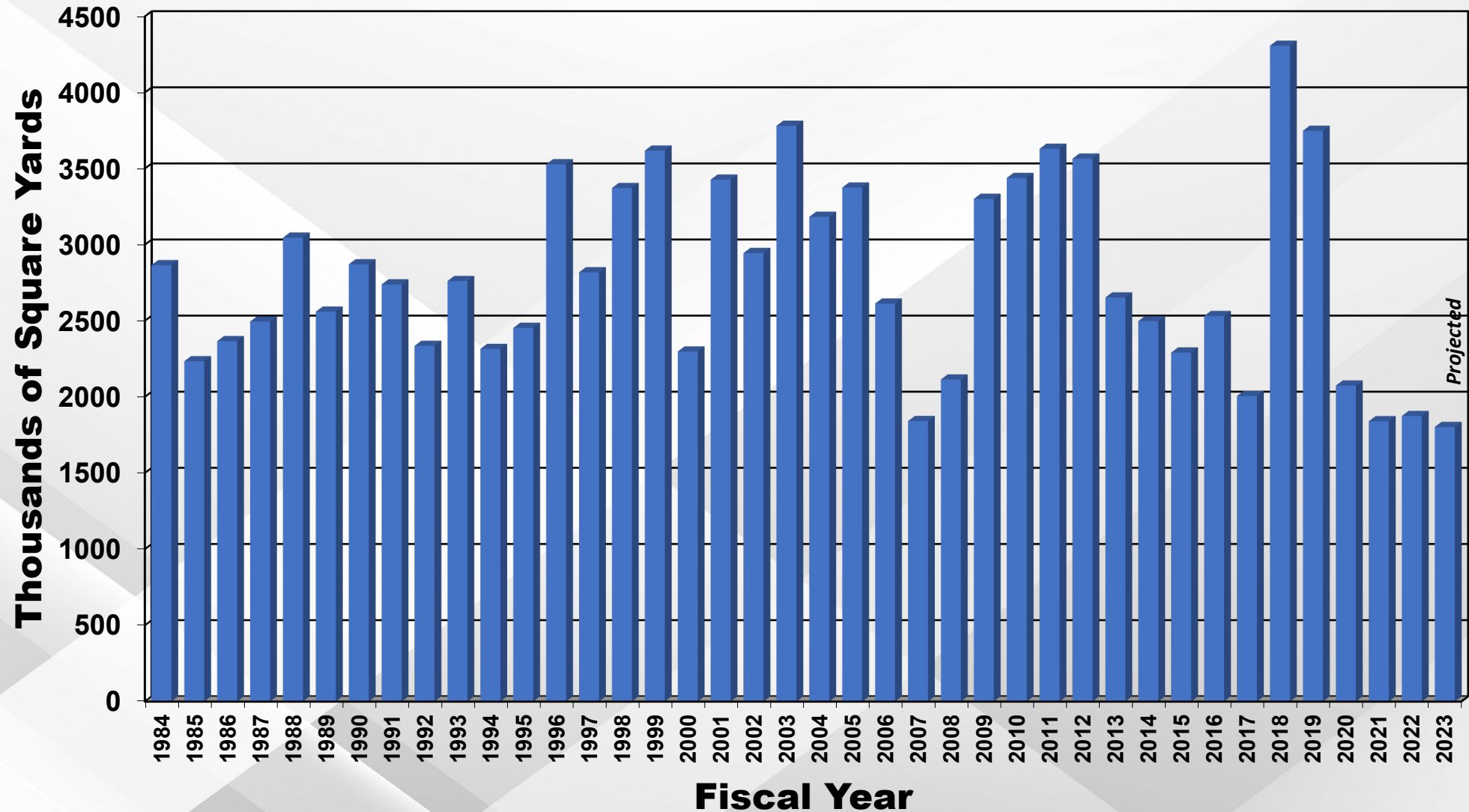
2009 - 2022 Member Market Share Percentage Summary (Based on SY of Concrete Pavement)															
Description n % Market	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2009 - 2022
Member % Municipal Market	76%	55%	70%	55%	80%	45%	35%	48%	77%	67%	67%	77%	88%	74%	65%
Member % WisDOT Market	70%	76%	63%	65%	64%	70%	56%	52%	74%	57%	46%	41%	57%	42%	60%
Member % Airport Market	83%	69%	70%	25%	98%	87%	84%	86%	91%	85%	46%	99%	98%	100%	80%
Member % Combined Market	76%	67%	67%	48%	81%	68%	58%	62%	81%	70%	53%	72%	81%	52%	67%



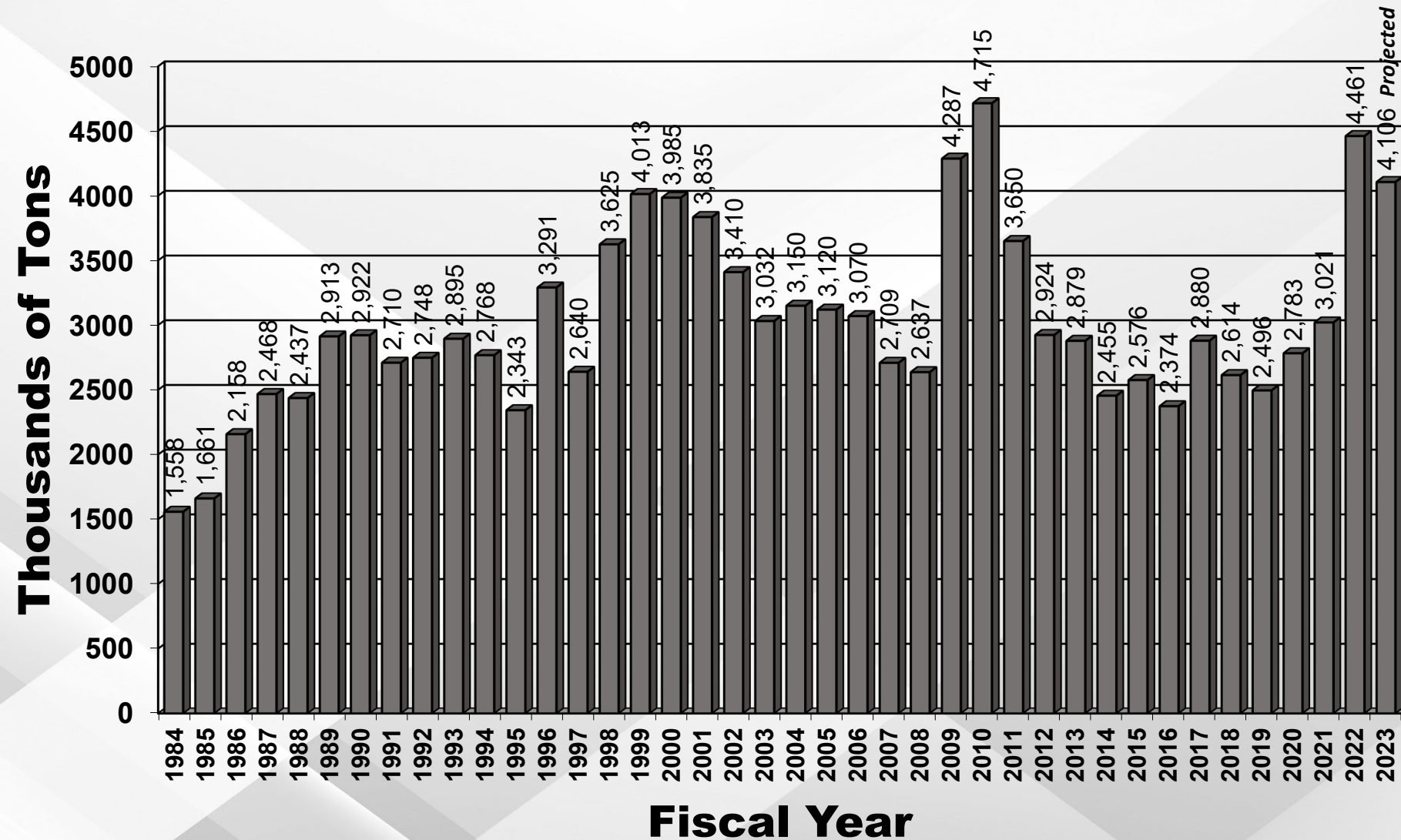
MARKET SHARE COMPARISON TO ASPHALT



WisDOT PCC Pavement Quantities

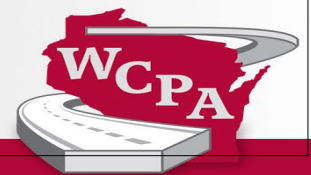
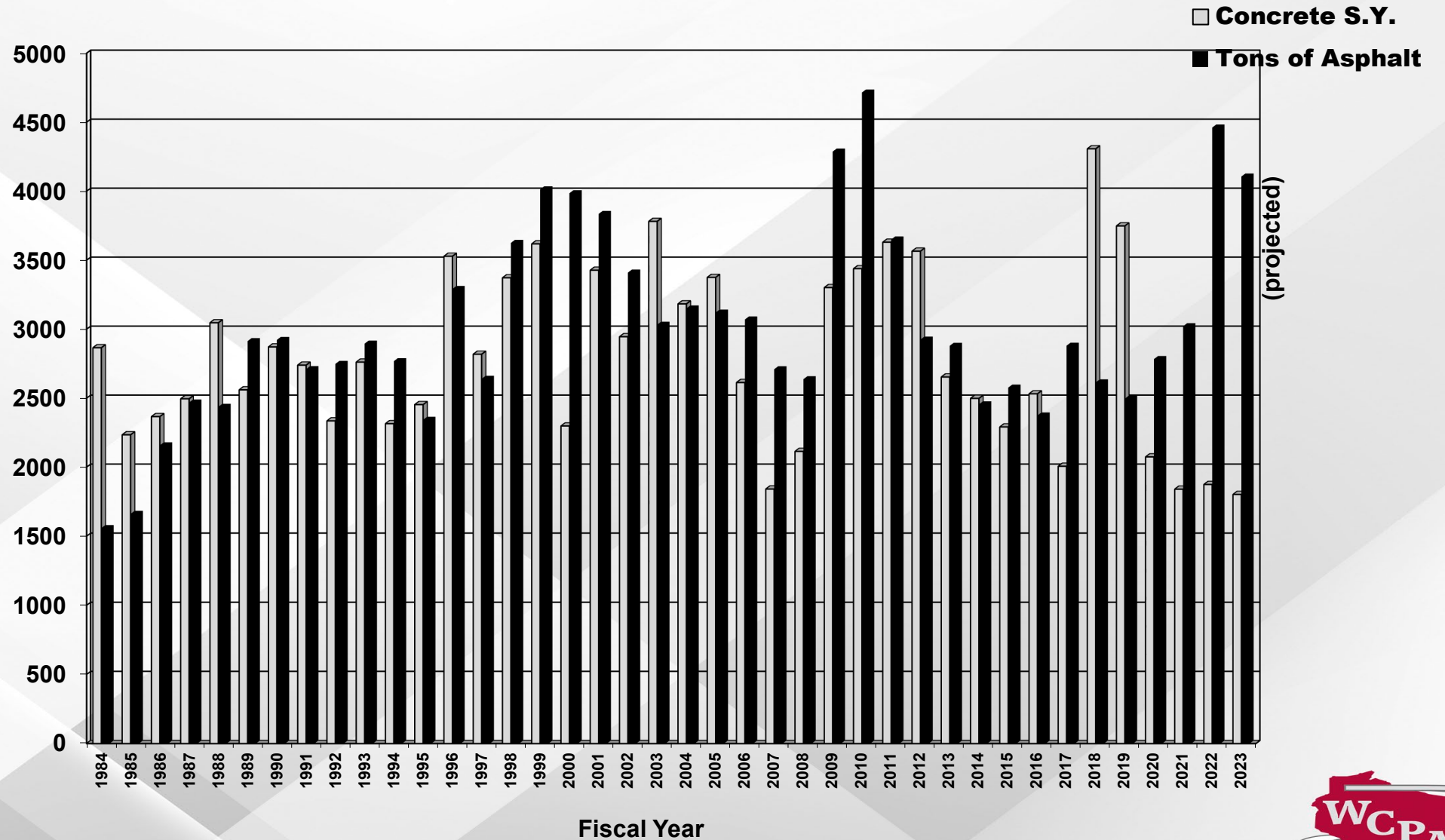


WisDOT Asphalt Pavement Quantities

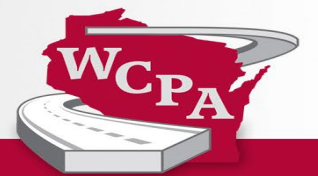


WisDOT Pavement Quantity Comparison

1000s of SY of Concrete and Tons of Asphalt



What Did WisDOT Report This Year?



FY 22 Final Let Level

\$1,340,153,931

Second
Highest
Let Level
Ever

\$4 Million
from
Highest

millions				
\$36,900,000	SFY-22 Lone Rock Design-Build Award			
\$27,675,000	Approximate let component at 75%			
\$1,332,000,000	SFY-22 Lets without maintenance			
\$1,359,675,000	equivalent let estimate			

\$1,340.2 Million

\$53.1 M additional BIL funding
SHR projects added to May-June lettings

\$8.1 M Maintenance/Operations

\$1,279.0 M Improvement
SHR, Majors, SE Mega, Local Programs

FY 22 Total Lets w/o BIL
\$1,287.1 Million

FY 22 Let Goal
\$1,265 - \$1,295 Million



FY 22 Quantities

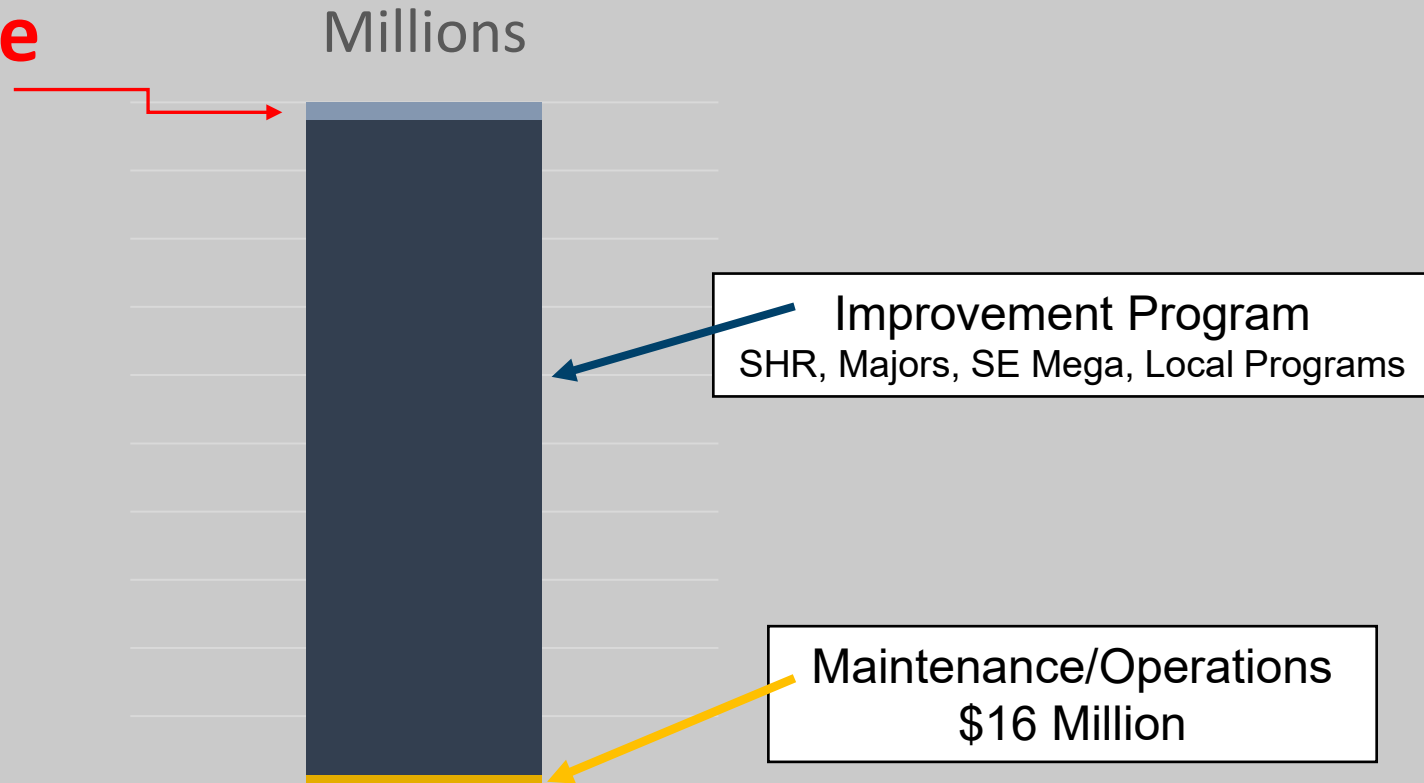
- Achieved quantity goals in most, but not all categories

	FISCAL YEAR 2022							
	ASPHALT	CONCRETE	EXCAVATION	BASE COURSE	BRIDGE DECK	MILLING	GRINDING	STRIPING
SFY-22 Goal without BIL Projects	4,460,000	1,920,000	4,420,000	5,240,000	1,300,000	19,490,000	270,000	44,180,000
SFY-22 Actual without BIL Projects	4,482,659	1,886,692	3,783,237	4,810,118	1,384,683	20,078,259	272,526	44,666,965
% Difference	1%	-2%	-14%	-8%	7%	3%	1%	1%
SFY-22 BIL Project Quantities	317,749	31,920	11,483	72,590	7,293	1,730,035	0	2,999,555
Total SFY-22 Quantities - All Projects	4,800,408	1,918,612	3,794,720	4,882,708	1,391,976	21,808,294	272,526	47,666,520
% Difference of Original Goal	8%	0%	-14%	-7%	7%	12%	1%	8%



Projected FY 23 Let Level

**Estimated Let Goal Range
\$1,320 - \$1,350 Million**



Quantity Estimates Based on FY 23 Program

☐ Individual Quantity Estimates

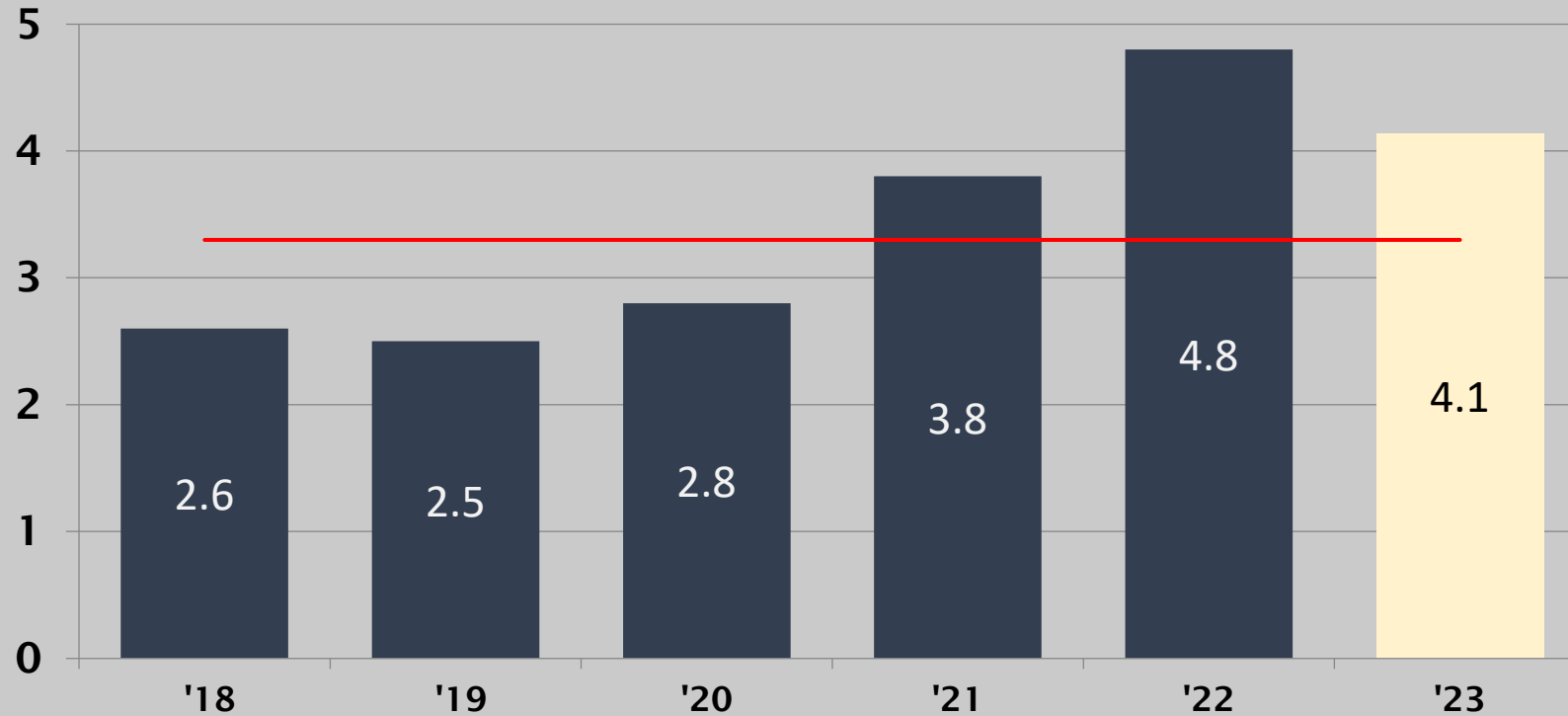


Estimated Asphalt Quantities For FY 23

Millions Of Tons

5-Year Average 2018 – 2022

3.3 Million



Quantity Estimates Based on FY 23 Program

☐ Why Are Some Quantities Still Below 5-Year Average in SFY-23?

- ☐ Concrete
- ☐ Base Course
- ☐ Excavation

☐ Past Decisions Impacting Quantities (2017/18)



❑ Past Decisions Are Impacting SFY-2023 Quantities



Major and SE-Mega Programs

- Stopped work/rescinded ROD on I-94 East-West
- Stopped work on STH-15 (enumerated for construction)
- I-43 not enumerate until SFY-2020
- Cancelled I-39/90 Major Highway Study (Madison – WI Dells)
- Slowed work on other Major Highway Study projects
 - US 51 – Stoughton to McFarland
 - US 51 – Beltline to STH 19





Recent Progress



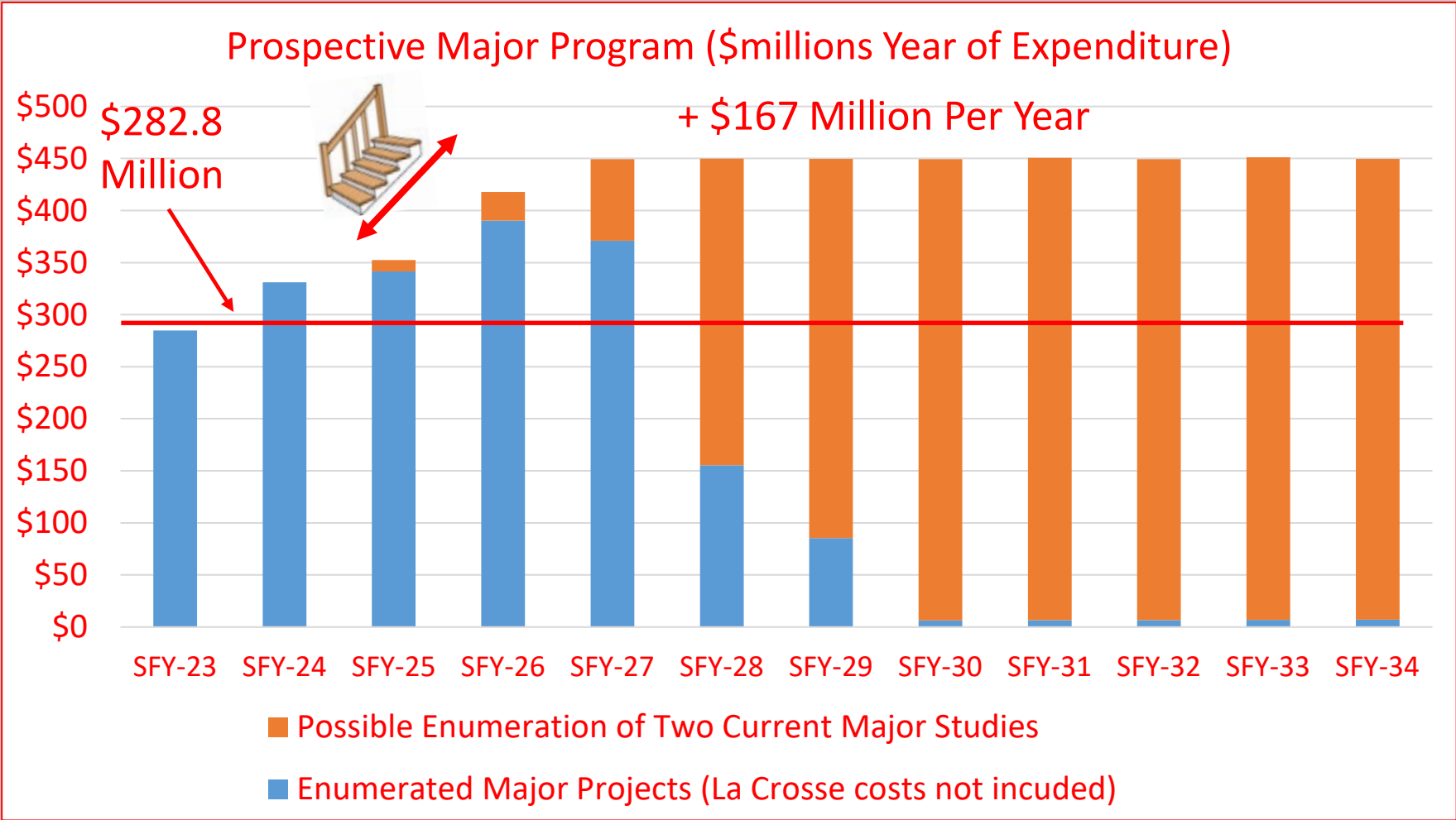
- 2019-21 Budget: +\$320 million in SHR, with + \$185 million to FY-21 base
- 2021-23 Budget: +\$82 million for biennium to maintain purchasing power
- TPC approved two High-Cost Major projects in December 2020
 - USH 51, Stoughton to McFarland (~\$192 million current estimate)
 - I-39/90/94, Bridges over Wisconsin River (~\$150 million current estimate)
- TPC agreed with continuing USH 53 LaCrosse under current enumeration in December 2021
- I-43 Enumerated, lets continue this year (~\$531 million current estimate)
- I-41 Enumerated (STH 96 to Scheuring Road) (~\$1.1 billion)
 - Large lets to start in SFY-25
- Restarted I-39/90 (Madison to Wisconsin Dells) study
- Enumerated I-94 East-West and restarted study



Potential Major Highway Program – Illustrative Only (What's Possible with Current Projects and Studies)

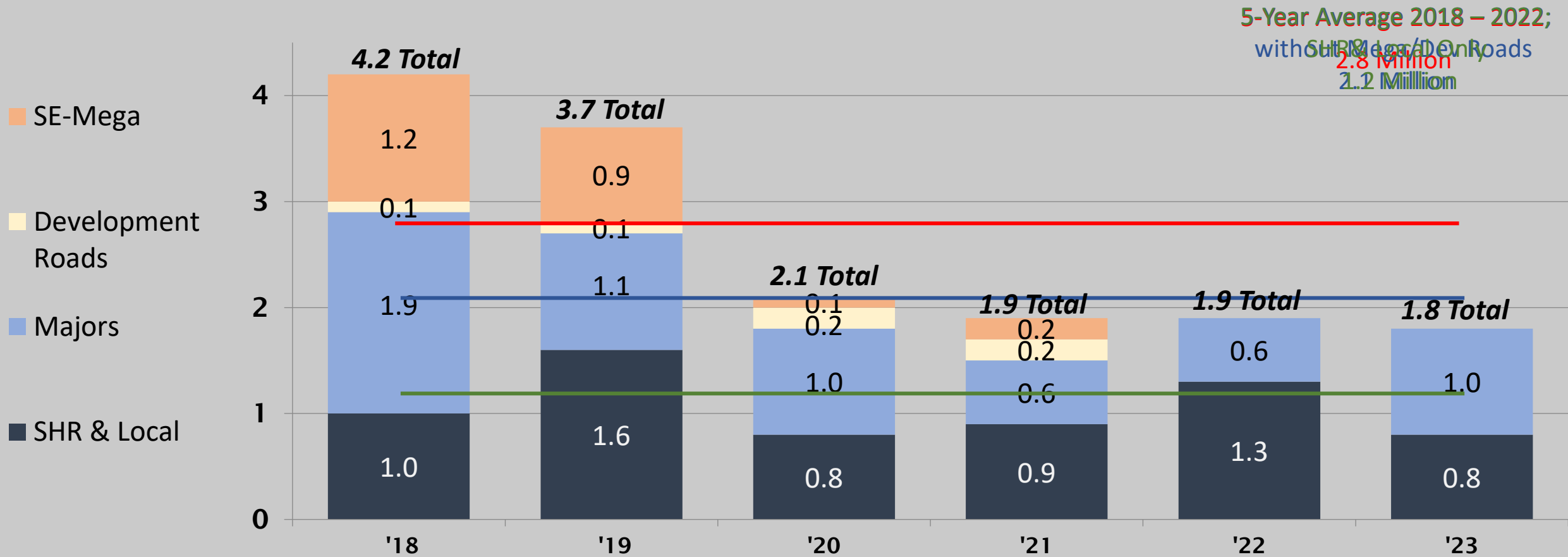
Takes Time
to Ramp Up
Projects

SE Mega Projects
Program
East-West ROD
end of 2023?



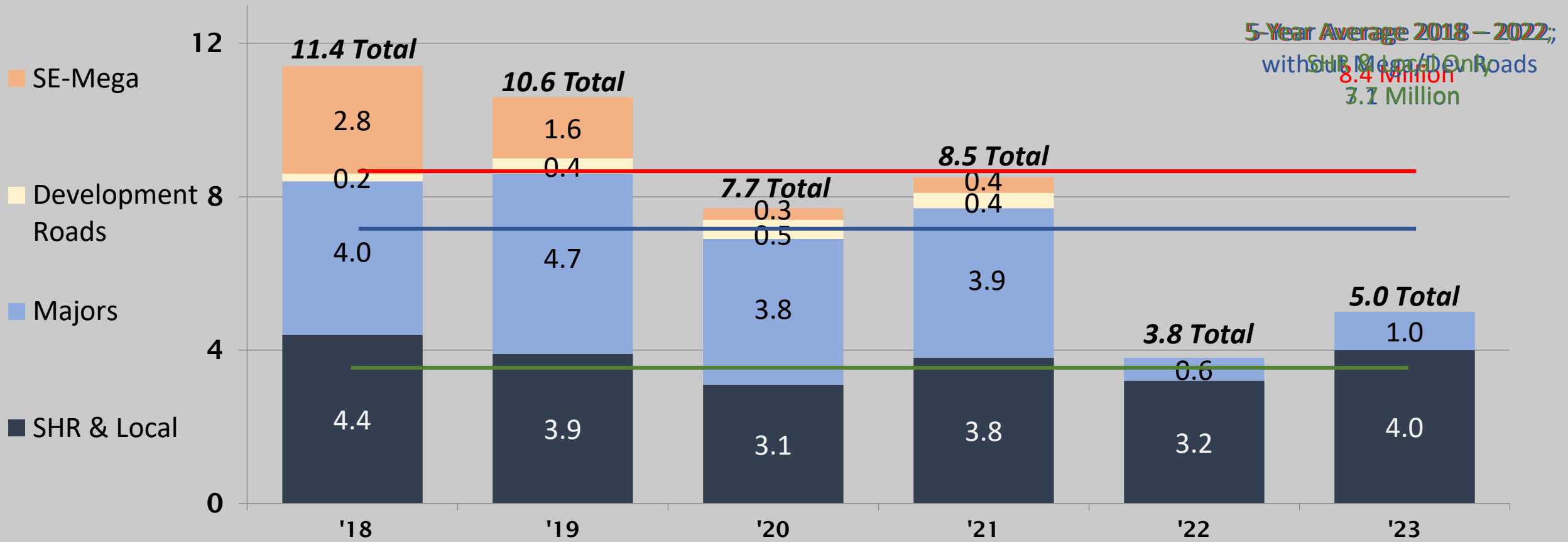
Estimated Concrete Quantities For FY 23

Millions Of Square Yards



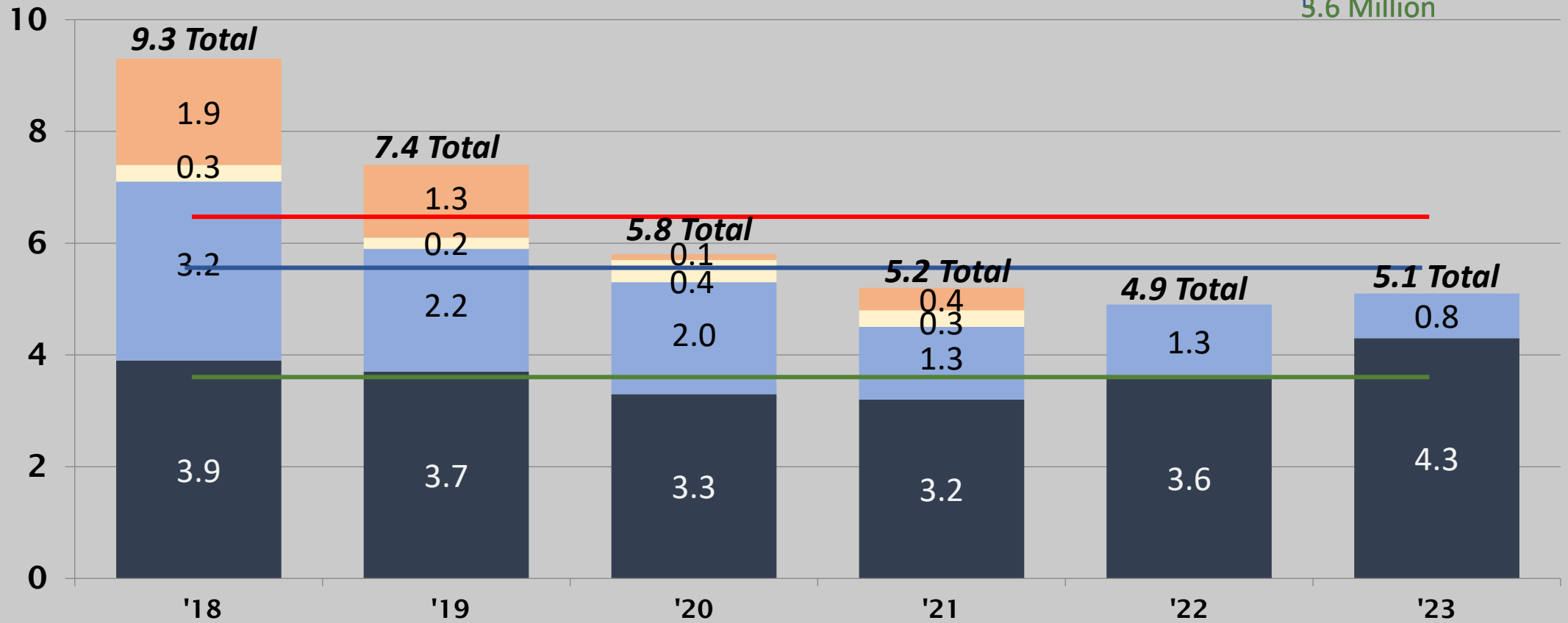
Estimated Excavation Quantities For FY 23

Millions Of Cubic Yards



Estimated Base Course Quantities For FY 23

Millions Of Tons

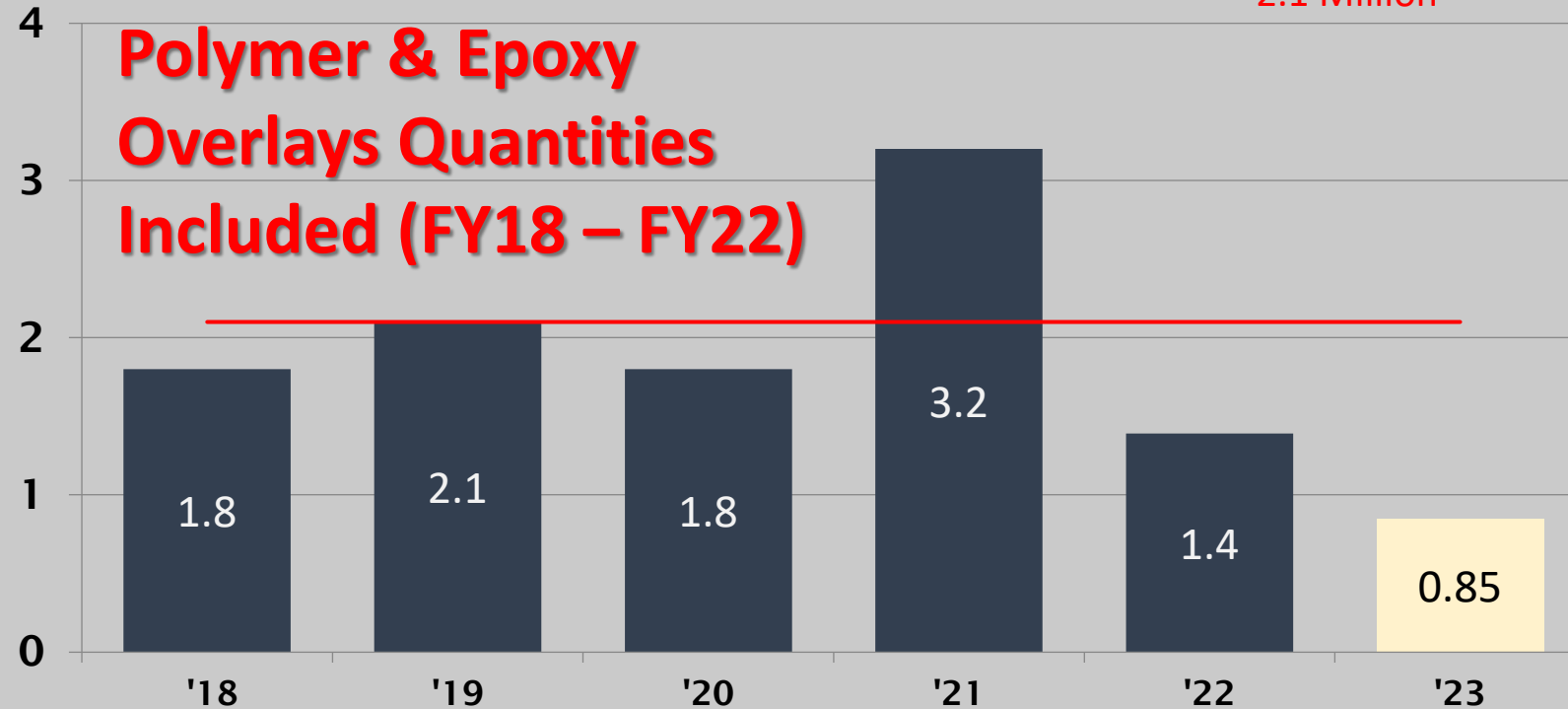


Estimated Bridge Deck Quantities For FY 23

Millions Of Square Feet

5-Year Average 2018 – 2022:

2.1 Million

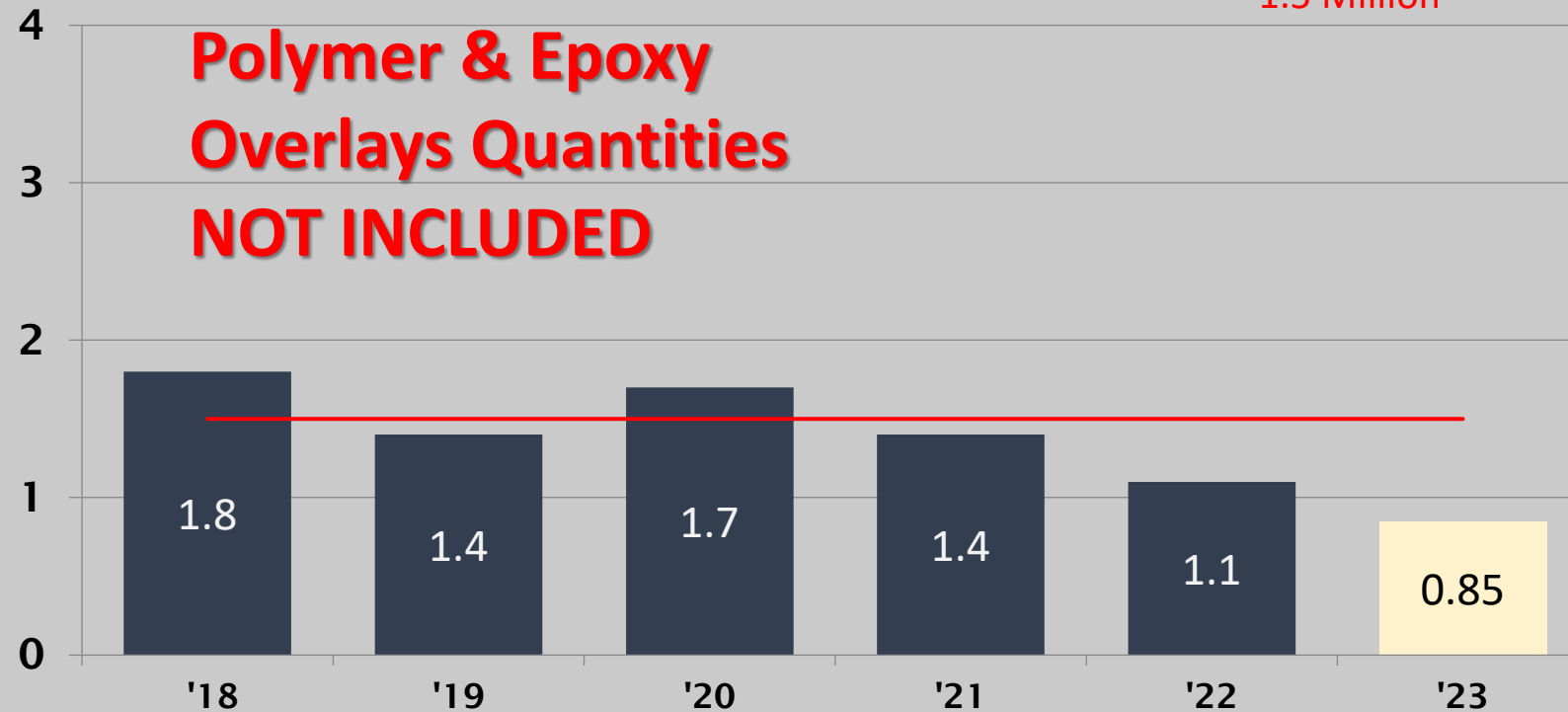


Estimated Bridge Deck Quantities For FY 23

Millions Of Square Feet

5-Year Average 2018 – 2022:

1.5 Million

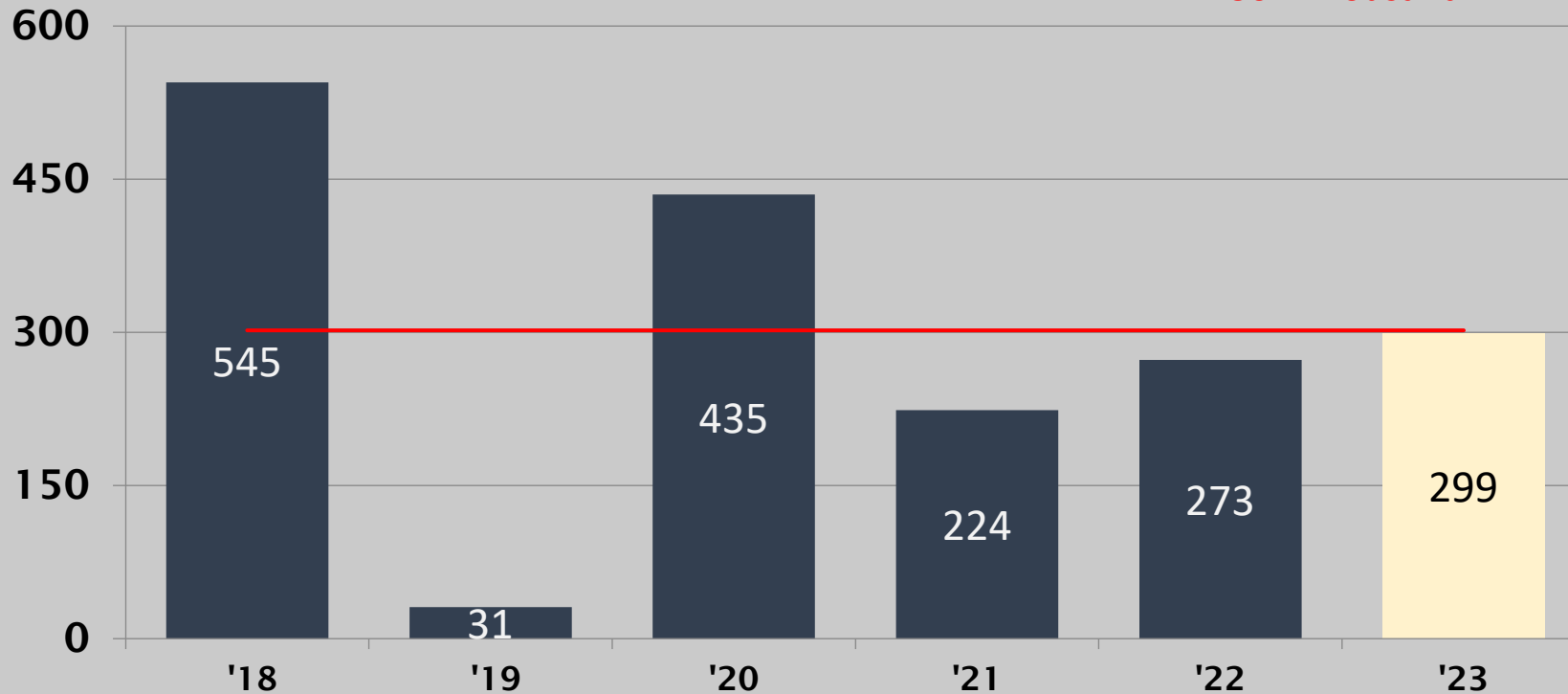


Estimated Grinding Quantities For FY 23

Thousands Of Square Yards

5-Year Average 2018 – 2022

302 Thousand



FY 23 Shelf Projects

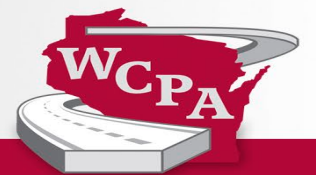


As of 9/01/2022:

- 73 Projects
- \$410 Million

January 6, 2022, and December 5, 2022 Meeting with WisDOT

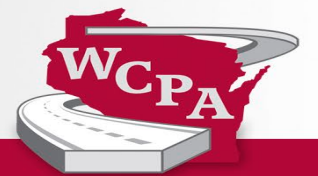
- Secretary's Office and Administrators
- WCPA stressed:
 - More quantities needed
 - Not all WCPA members work on the majors program projects
 - Small paving projects are not happening at the same rate as 5 and 10 years ago.
- Previous Administration
- As predicted money was the response
- Long discussion of new federal dollars and how it is going to be spent
- Time to develop projects in the Majors Program



WCPA Theorizes the Top Two Issues

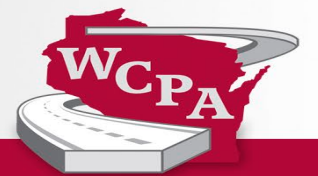
***THEY DO NOT HAVE THE ENGINEERING DONE TO PUT
MORE PROJECTS ON THE STREET***

***And
Construction Inflation***



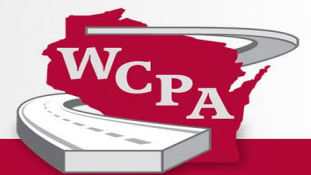
The Big Question?

**What does the WisDOT concrete
pavement program look like past 2023?**



WisDOT Six-Year Highway Improvement Program

- WisDOT now publishes with digital project files
- WCPA analysis of 2023-2028 program recently published
- Compared against 2021-2026
- Studied all the improvement types
- Eliminated all but paving projects
- Centered in on Pavement Replacement and Reconstruction projects because they are typically concrete pavements
- What did we learn?



WisDOT Six-Year Highway Improvement Program

Statewide Analysis



- Pavement Replacement Projects +39



- Reconstruct Projects +36



- Concrete Repair Projects +59



CONCLUSION: Statewide program is trending upward for concrete pavements



WisDOT Six-Year Highway Improvement Program

North Central Region



- Pavement Replacement Projects - 9



- Reconstruct Projects 0



- Concrete Repair Projects +15



CONCLUSION: North Central Region program is trending flat for concrete pavements



WisDOT Six-Year Highway Improvement Program

Northeast Region



- Pavement Replacement Projects +3



- Reconstruct Projects + 33



- Concrete Repair Projects +14



CONCLUSION: Northeast Region program is trending upward for concrete pavements

WisDOT Six-Year Highway Improvement Program

Northwest Region



- Pavement Replacement Projects - 8



- Reconstruct Projects - 2



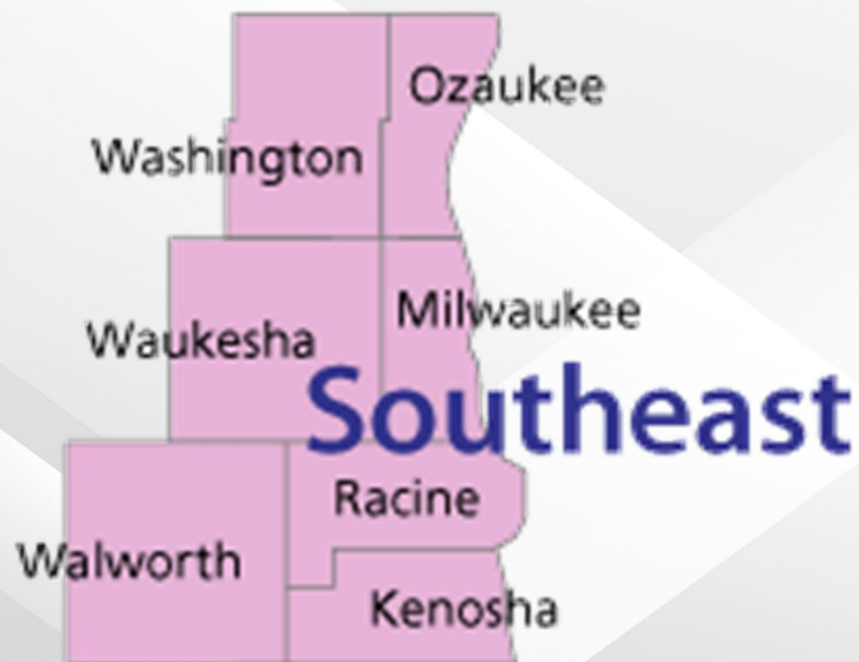
- Concrete Repair Projects +6



CONCLUSION: Northwest Region program is trending downward for concrete pavements

WisDOT Six-Year Highway Improvement Program

Southeast Region



- Pavement Replacement Projects +20



- Reconstruct Projects -7



- Concrete Repair Projects +10



CONCLUSION: Southeast Region program is trending upward for concrete pavements

WisDOT Six-Year Highway Improvement Program

Southwest Region



- Pavement Replacement Projects +33



- Reconstruct Projects +12



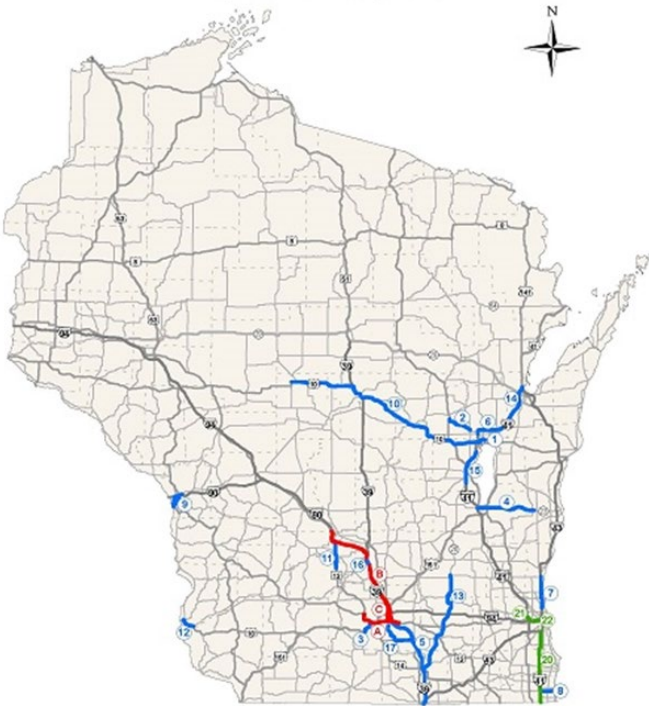
- Concrete Repair Projects +14



CONCLUSION: Southwest Region program is trending upward for concrete pavements

WisDOT Majors Program

WisDOT Current Majors and Southeast Mega Projects & Studies
Updated February 2022



MAJOR PROJECTS EXPENDITURE SCHEDULE

Data from February 2023 TPC Report

Region	Hwy	Project Name	Enum/Appr	2023	2024	2025	2026	2027	2028	2029
NE	15	STH 76 to New London	2011							
NE	23	STH 67 to USH 41	1999							
SW	39/90	USH 12 to Illinois State Line	2011							
NE	41	STH 96 to Scheuring Road	2019							
SE	43	Silver Spring Drive to STH 60	2019							
SE	50	I-41 to 43rd Avenue	2014							
SW	39/90/94	Bridges over Wisconsin River	2020							
SW	51	I-39/90 to USH 12	2020							
SW	53	La Crosse Corridor	1997							



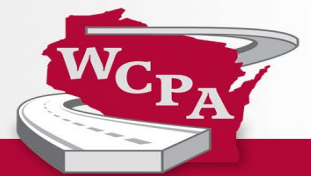
Planned Expenditure



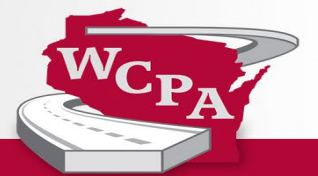
The costs will be identified in a future TPC report.

WisDOT Overlay Potentials

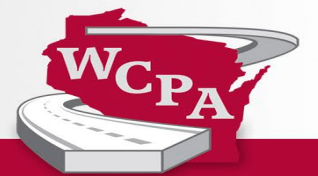
- 135 identified projects in the 6-year program!
- WisDOT Improvement Project Concept Types
- RSRF30 – Structural Overlay or Patch and Structural Overlay ≥ 4 inches



2022 Highlights

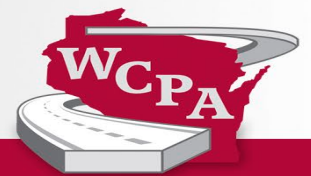


Financial Position



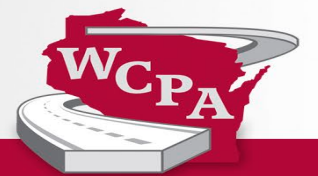
Financial Position

- WCPA Board of Directors controls this
- Good financial position
 - Income received in 2022 - \$724,862.36
 - Expenses in 2022 – \$701,089.60
 - Positive cash flow for 2022 of \$21,272.76
- Currently have almost one year of cash reserve
- Next Board of Directors meeting is April 2023



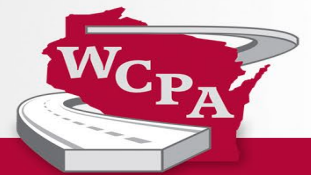
2022 Annual Concrete Pavement Workshop

- Ingleside Resort in Pewaukee
- February 9-11, 2022
- Attendance – 303
- Program review – mostly positive
- Very positive feedback on the location and venue



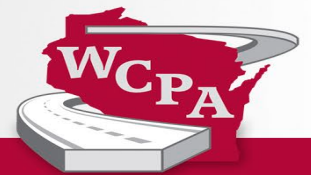
Concrete Pavement Inspection

2020-21 WisDOT Region Training



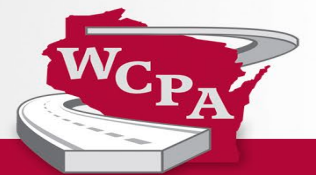
Concrete Pavement Inspection Training

- BOTH 2020 and 2021 were virtual
- Great joint effort
- 10th and 11th year of training
- 126 total attendees in 2020
- 116 in 2021
- 2022 WisDOT elected to do no training
- 2023 WCPA proposes doing regardless of WisDOT position

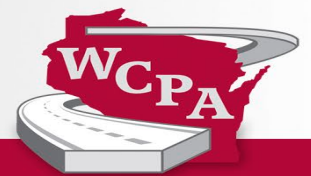


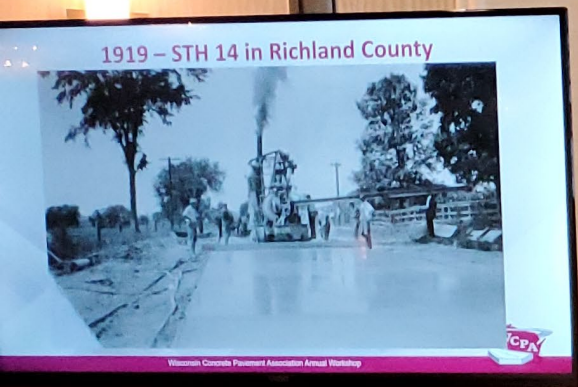
WCPA Exhibit

- County Highway Road School in January 2022
- Airport Managers Association Conference in October 2022
- American Public Works Association of Wisconsin in May 2022



WCPA Exhibit





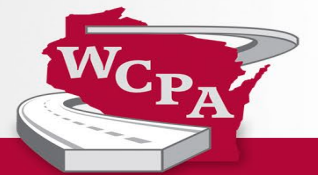
WCPA
**WISCONSIN
CONCRETE
PAVEMENT
ASSOCIATION**

Moving forward with concrete results

WCPA
**WISCONSIN
CONCRETE
PAVEMENT
ASSOCIATION**

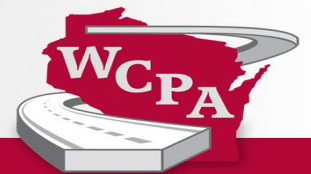
University Programs 2022

- 4 lectures at University of Wisconsin Platteville
- 0 presentations at UW Madison
- 1 lecture at the University of Wisconsin-Milwaukee
- Sponsor of UWP concrete canoe
- Sponsor and participation of UWP Civil Engineering Golf Outing
- Sponsor and participation of UW Madison Civil Engineering Golf Outing
- UWP Engineering Advisory Board
- UWP Construction Management Advisory Board
- UWP Highway Certification Program



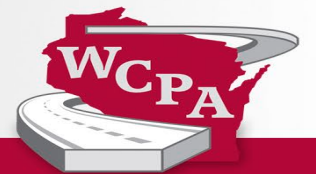
Concrete ~~Pavement~~ Technical Committee

- WisDOT cites this as “the example” for industry partnership
- 4 meetings in 2022
- Concentrated on
 - Aggregate gradation/Optimized gradations
 - Fast Track Concrete Pavement
 - Section 416 and 600s
 - Performance Engineered Mixtures
 - QMP Testing issues
 - Section 501 and Section 7 major revisions
- Plan on a solid schedule of once per quarter



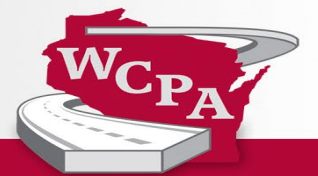
National Concrete Consortium

- Participation with WisDOT is crucial
- Spring 2022 Meeting in Nashville, Jackie and Kevin attended
- Fall 2022 Meeting in Detroit, Jackie and Kevin attended (Leslie too for WisDOT)
- Key issues
 - Design of dowel bars, fatigue and corrosion
 - Performance Engineered Mixes
 - Surface resistivity and formation factor
 - Joint durability
 - Design and Construction issues
 - PERFORMANCE CENTERED CONCRETE CONSTRUCTION



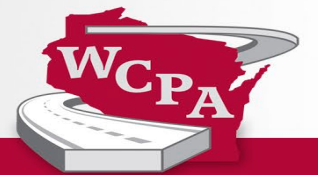
WTBA and TDA

- WTBA New Director, Steve Baas
- Need for WCPA to participate when impacts to “concrete industry”
- Contractor-Engineer conference in January
- Annual Fall Meeting
- Environmental and Safety committees
- Political fund raisers when necessary (none in 2022)
- TDA Annual Fly-In to Washington DC has not happened since 2019
- Upcoming TDA Fly-In on March 1-2, 2023

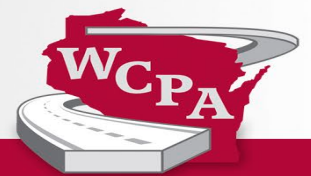


City and County

- They are here, 15 registered for our event
- Expanded staff of WCPA will continue to build relationships
 - Each staff member has a region they are responsible for
- APWA, League and WCHA are excellent networking events for WCPA
- Also meet with cities on their projects as requested
- Overlay emphasis with WisDOT will help with Counties



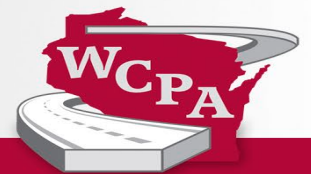
CHALLENGES



WisDOT Successes

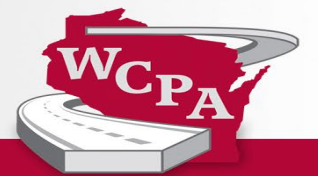
Implementation of WisDOT Technical Priorities

- Full implementation
 - Flexural strength
 - Optimized concrete aggregates
 - Optimized concrete mixtures
- Performance Engineered Mixtures
 - Sam Air Meter (slowed down, not dead, keep your meters)
 - Box Test
 - Surface Resistivity
- 2022, 2023 and beyond Standard Specification Revisions



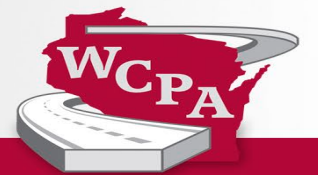
WisDOT Challenges

- 2022 Standard Specification Revisions
- Dowel Bar Placement Tolerances
 - New MIT software
- Concrete Overlays to replace short life HMA Overlays not concrete pavement reconstruction
- Pavement Repair and Preservation Technologies



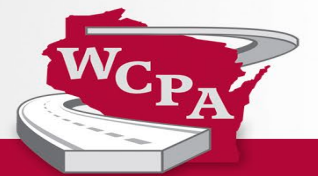
WisDOT Challenges

- Pavement Design – the next generation, we still do not know what they are going to do
- Completing the feedback loop of what we achieve in construction back into design
- Flexural strength
 - 650 psi assumed in design
 - 700+ psi regularly achieved in construction
- Performance Based Specifications
- PEM Results – how could they benefit us?



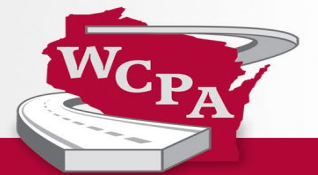
WisDOT Challenges

- WisDOT specifications
 - SCM future
 - COLD WEATHER PROTECTION
 - HOT weather construction
- Fast Track Concrete specifications
- AASHTOware Materials implementation
- Partnering
- Good Engineering



WisDOT Questions That Need To Be Reinforced Over and Over

- Do we have enough cement powder to build all of this concrete?
- Do we have enough SCMs?
 - Fly Ash
 - Slag
 - Other SCMs
- Do we have enough contractor paving capacity?



The Answers

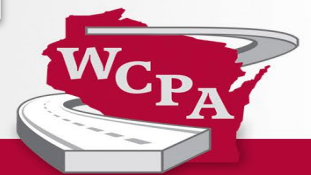


There is enough Portland Cement –We need to make sure they don't forget this!

We have enough paving capacity

There potentially may not be enough fly ash – what does the future hold?

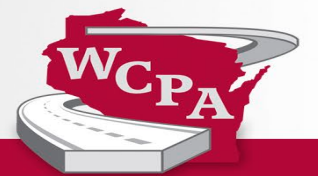
Department scoping, timing, and scheduling of WisDOT projects – not allowing us to optimize our paving capacity



City & County Challenges

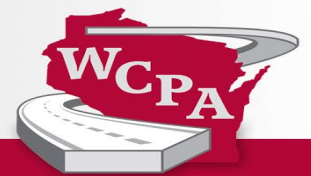
Education and Training is Needed

- City budgets and funding streets
- Tight times encourage preservation or doing nothing different
- Equivalent pavement designs
- First cost is current priority
 - Concrete Overlay option
 - Life cycle cost is not in the political agendas
- Engineering competency of city staff and consultants



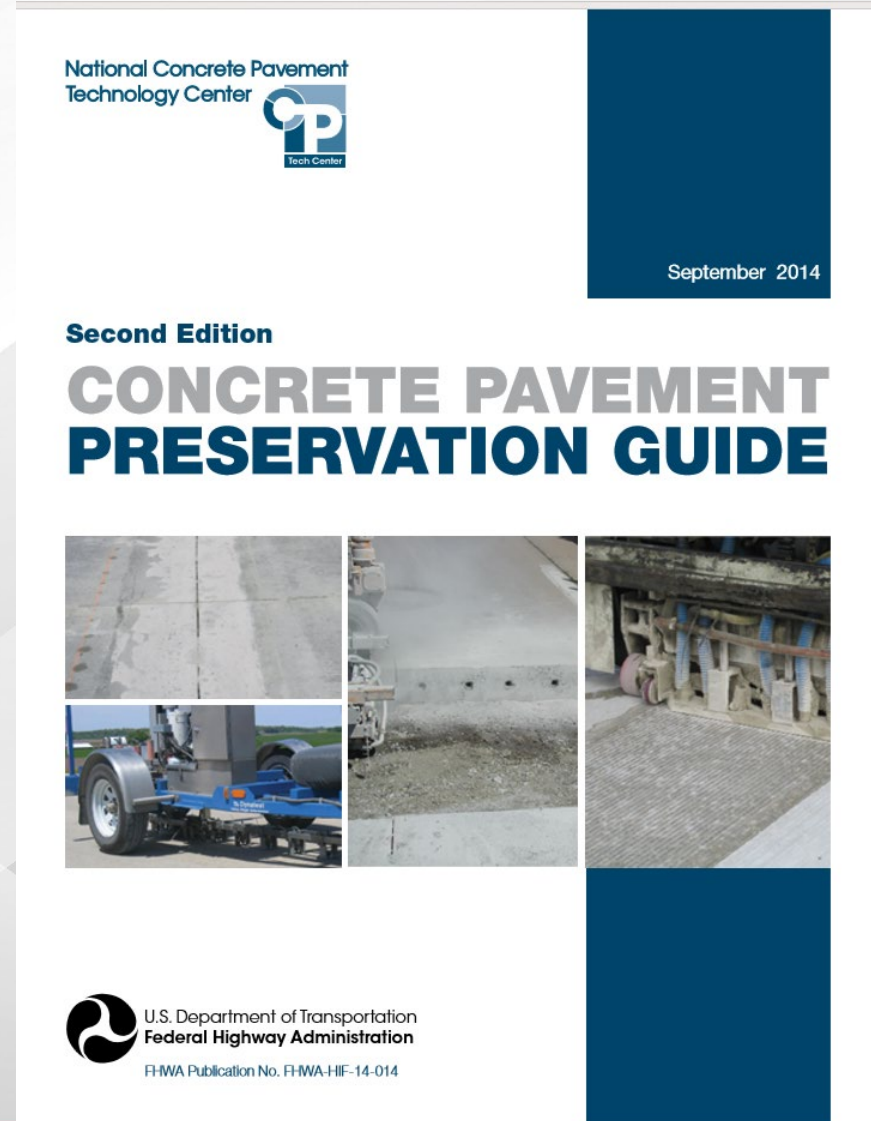
Airport Challenges

- Air Carrier and Commercial Airport work will continue
- FAA reauthorization is done
- WisDOT BOA implemented their new spec book
- It contained most recent version of P501
- Aggregate testing, SCM and mix design approval
- Strength specification will continue to be a challenge



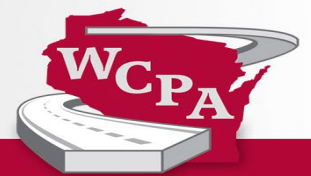
Concrete Pavement Preservation

- FHWA and NCPTC course
- We have “Wisconsinized” it
- Delivered the class to 190 people through the WisDOT SE Region on January 26, 2022
- 2023 class requests
 - WCPA to Facilitate



ADA Training and Jointing

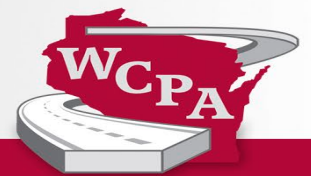
- One of the most talked about subjects the last couple years
- WCPA short course continues to be popular with consulting engineers
- Regular requests for ADA through 2021, slowed in 2022
- We are coming full cycle on jointing. Is it time again?



Strategic Planning

Strategic Planning Committee

- Collaborative Effort
- Membership
- Due's
- Non-Dues Revenue
- Quantities
- Moving WCPA forward



Agenda



Thursday Conference Agenda

Thursday, February 9, 2023

******5 PDH*****

6:00 AM	Continental Breakfast	South Half
8:00 AM	Registration & Exhibitor Showcase	South Half
9:00 AM	Welcome, Introductions, and Celebrating the Concrete Pavement Industry Kevin McMullen, PE - WCPA President Jackie Spoor - WCPA Vice President	South Half
9:20 AM	Wisconsin Department of Transportation - State Budget & Future Program Update Craig Thompson - Secretary, Wisconsin Department of Transportation	South Half
9:45 AM	FHWA Sustainability & Concrete Pavement Priorities Michelle Helsel - Federal Highway Administration	South Half
10:30 AM	Break & Exhibitor Showcase	South Half
10:45 AM	Sustainability & Resilience: What Is Important To Know Dr. Thomas Van Dam, PE - Principal (NCE)	South Half
11:30 AM	Sustainability / Carbon Neutrality, ACPA Has A White Paper Eric Ferrebee, PE - American Concrete Pavement Association	South Half
12:00 PM	LUNCH	North Half
12:45 PM	Celebrating Wisconsin's National & State Award-Winning Projects Kevin McMullen, PE - WCPA Jackie Spoor - WCPA Erik Lyngdal, PE - Wisconsin Department of Transportation	North Half
1:30 PM	Concrete Pavement Diamond Grinding, Affordable, Practical and Sustainable! John Roberts, PE - International Groovers & Grinders Association (IGGA)	South Half
2:15 PM	Designing a Wisconsin Concrete Overlay Eric Ferrebee, PE - American Concrete Pavement Association	South Half
3:00 PM	Break & Exhibitor Showcase	South Half
3:15 PM	Concrete Overlays: A Simple Plan Set & Construction Administration Brent Burwell, PE - Oklahoma/Arkansas Chapter, ACPA	South Half
3:45 PM	Get In, Get Out, Stay Out...with Concrete Overlays Greg Mulder, PE - Iowa Concrete Paving Association	South Half
4:30 PM	UW Platteville Highway Technical Certification Program Updates Jodi Pluemer - HTCP	South Half
4:45 PM	Construction Management & Construction Safety Management History and Success Gretchen Bockenbauer - UW Platteville Gina Blasen - UW Platteville	South Half
5:00 PM	Break & Exhibitor Showcase	South Half
6:00 PM	WCPA's Wisconsin Tailgate Dinner, Scholarship Recognition, QMP Award Winner & HTCP Exhibitor Showcase Kevin McMullen, PE - WCPA Jackie Spoor - WCPA	South Half
8:00 PM - Midnight	WCPA Hospitality & Networking	South Half

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Friday Conference Agenda



Friday, February 10, 2023

*****3.5 PDH*****

7:00 AM	Hot Breakfast Buffet	South Half
7:00 AM	Registration for New Arrivals & Exhibitor Showcase	South Half
8:00 AM	Performance Engineered Mixtures Research, What Have We Learned? Dr. Tyler Ley, Ph.D., P.E. - Oklahoma State Signe Reichelt, P.E. - Behnke Materials Engineering, LLC	South Half
9:00 AM	Wisconsin Department of Transportation Specification Updates • Setting the Stage, WisDOT Priorities Erik Lyngdal, PE - WisDOT • The Highlights of the Changes & What Is Next! Mark Finnell, PE - WisDOT Kevin McMullen, PE - WCPA Jackie Spoor - WCPA Leslie Hidde, PE - WCPA	South Half
9:45 AM	Break & Exhibitor Showcase	South Half
10:00 AM	MnRoad Test Sections on More Sustainable Concrete Materials Dr. Larry Sutter, PE - Sutter Engineering	South Half
10:45 AM	Ethics: Climate Change, Concrete Pavement & Infrastructure Design Dr. Austin S Polebitski, PE - University of Wisconsin Platteville	South Half
12:00 PM	Adjourn	

Scan the QR codes below to access helpful information.

How to scan a QR code:

1. Open the Camera app on your smart device.
2. Be sure your camera is set to rear facing, not selfie mode. Hold your device so that the QR code appears in the viewfinder in the Camera app. Your device will recognize the QR code and show a notification.
3. Tap the notification to open the link associated with the QR code. Enjoy!



Agenda PDF

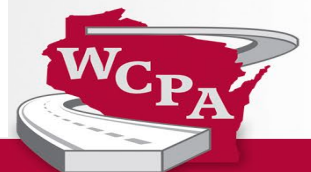


Social Media



Hotel Map

www.wisconcrete.org

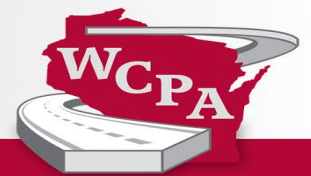


Succession Plan Update



Kevin's Thoughts

- I am committed as ever to the priorities of the industry
- Job is still challenging and fun
- Looking forward to the challenges of the coming years
- Jackie and I have a strong partnership
- We are well on our way through transition of WCPA leadership
- April 2023 scheduled position swap at BOD Meeting
- Intent to work full time to August 2024
- Committed to the success of the transition
- Hiring of Leslie Hidde is exciting and a great plus for WCPA
- Focus on Jackie and Leslie and what you will need from me in 2023-24
- I am not disappearing. Just retiring from full time employment.
- What does that mean?
- I don't know yet.



Questions ?

