

2025 CAGC Summer Summit South Carolina Highway-Heavy Breakout Session

July 25, 2025



**WORK
ZONE**

Clay Richter, P.E.
Director of Construction

John Burns, P.E.
Construction Manager – Alternative Delivery

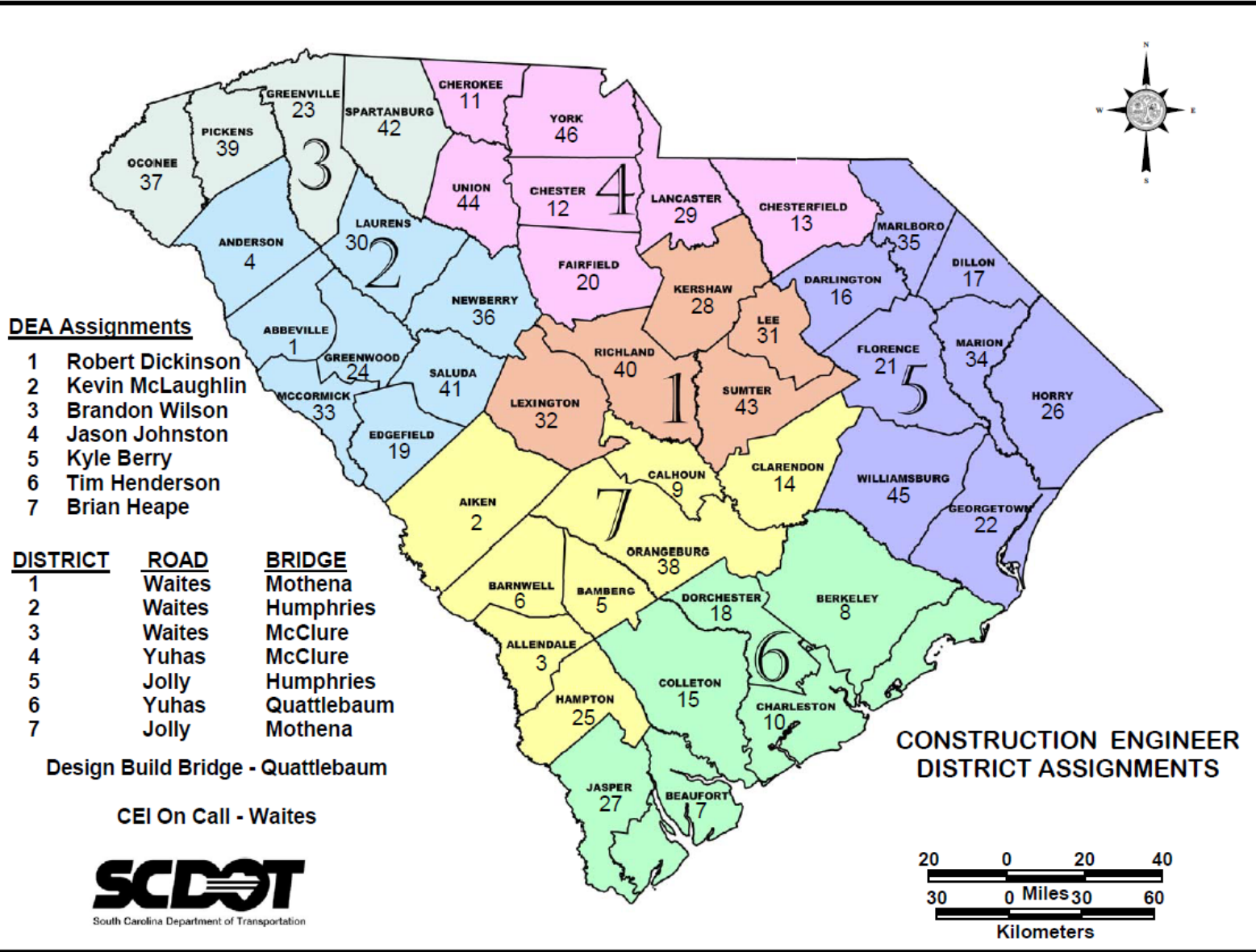


Organizational Update

**WORK
ZONE**

Organizational Changes (DOC)

- Director of Construction – Clay Richter
- State Road Construction Engineer – Pat McKenzie
- Road Construction Engineers
 - District 5 & 7 – Travis Jolly
- Construction Metrics – Brad Latham
- Construction Metrics Support – Vacant
- Asst. Construction Scheduler – Vacant



Organizational Update (OAD)

- Construction Alternative Delivery Engineer – **Carolyn Fisher**
- Construction Managers
 - Statewide – John Burns & **Michael Buck**
 - Carolina Crossroads – David Rogers
 - Lowcountry Corridor - Vacant

Organizational Update (DCE/ADCE)

District 1

- Jason Fulmer – DCE
- Derek Frick – ADCE
- Allen Thompson – ADCE

District 2

- Mike Hannah – DCE
- Matthew Shealy – ADCE
- Adam Rich – ADCE

District 3

- Josh Makison – DCE
- Jeff Jordan – ADCE
- **Joseph Fowler** – ADCE

District 4

- Melanie Mobley – DCE
- Blake Gilfillan – ADCE
- Robert Richter – ADCE

District 5

- David Johnson – DCE
- Jeremy Jackson – ADCE
- **Derrick Tindal** – ADCE

District 6

- Kevin Turner – Dist. Bridge Eng.
- Eric Jones – Bridge ADCE
- Daniel Burton – DCE
- Jonathan Tyndall – ADCE

District 7

- Lyle Davis – DCE
- Bobby Usry – ADCE
- Scott McElveen – ADCE

Specification Update

**WORK
ZONE**

Standard Specifications/Construction Manual

- Standard Specifications
 - 2025 Specifications
- Construction Manual
 - 2004 – Update to begin in 2025/2026 (?)



Supplemental Specifications

- January 2025
 - *Fuel Adjustment*
 - *Late Discovery of Archaeological Remains on Federal Aid Projects*
 - *Requirements for Federal Aid Contracts*
 - *Asphalt Binder Adjustment Index*
 - *Disadvantaged Business Enterprise (DBE)*
- July 2025
 - *Coquina Shell Base*
 - *Adhesively Bonded Anchors and Dowels*
 - *Pavement Preservation Technician Certification*
 - *On-The-Job Training*
- Currently Under Review
 - *Critical Path Construction Schedules, various Erosion Control Specs.*

Supplemental Technical Specifications

- January 2025
 - All STS's were either updated or reaffirmed to go with the 2025 Standard Spec Book
- July 2025
 - SC-M-409 *Electronic Ticket Delivery System for Asphalt Paving*
 - SC-M-675 *SCDOT Traffic Signals*



Business Home

SUPPLEMENTAL TECHNICAL SPECIFICATIONS

[Roadway Design Home](#)
[Construction Manual](#)
[Standard Drawings](#)
[Supplemental Specifications](#)
[Supplemental Technical Specifications](#)
[Standard Specifications](#)
[Preconstruction Memos](#)
[Preconstruction Advisory Memos](#)
[Subscribe to Preconstruction](#)

Files are ordered by date & presented in a PDF format.

[2007 Supplemental Tech Specifications](#) | [2025 Supplemental Tech Specifications](#)

2025 Supplemental Technical Specifications

Designation	Title	Letting Date
SC-M-203-1 (01/25)	Geosynthetic Materials for Separation and Stabilization	01/25 - Present
SC-M-203-2 (01/25)	Geogrid Soil Reinforcement	01/25 - Present
SC-M-203-3 (01/25)	Geotextile Soil Reinforcements	01/25 - Present
SC-M-203-4 (01/25)	Settlement Plates	01/25 - Present
SC-M-203-5 (01/25)	Lightweight Aggregates	01/25 - Present
SC-M-203-6 (01/25)	Vibrating-Wire Piezometer	01/25 - Present
SC-M-203-7 (01/25)	Settlement Sensors	01/25 - Present
SC-M-203-8 (01/25)	Vibrating Wire Rod Extensometer	01/25 - Present
SC-M-203-9 (01/25)	Slope Inclinator Casing	01/25 - Present
SC-M-203-11 (01/25)	Vibrating Wire Data Collection Center	01/25 - Present
SC-M-204-1 (01/25)	Cofferdams	01/25 - Present



Business Home

SUPPLEMENTAL TECHNICAL SPECIFICATIONS

[Roadway Design Home](#)
[Construction Manual](#)
[Standard Drawings](#)
[Supplemental Specifications](#)
[Supplemental Technical Specifications](#)
[Standard Specifications](#)
[Preconstruction Memos](#)
[Preconstruction Advisory Memos](#)
[Subscribe to Preconstruction Updates](#)

Files are ordered by date & presented in a PDF format.

[2007 Supplemental Tech Specifications](#) | [2025 Supplemental Tech Specifications](#)

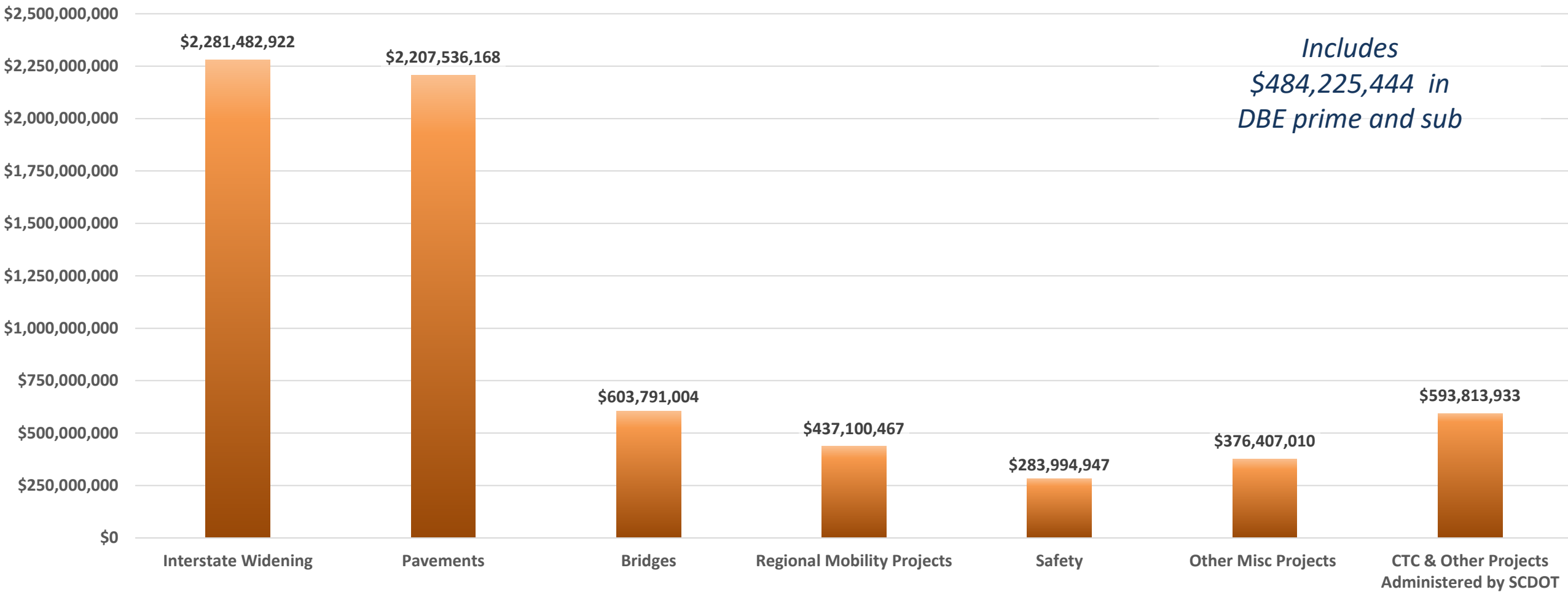
2007 Supplemental Technical Specifications

Designation	Title	Letting Date
SC-M-203-1 (07/17)	Geosynthetic Materials - Separation & Stabilization	07/17 - 12/24
SC-M-203-2 (01/20)	Geogrid Soil Reinforcement	01/20 - 12/24
SC-M-203-3 (01/20)	Geotextile Soil Reinforcement	01/20 - 12/24
SC-M-203-4 (01/20)	Settlement Plates	01/20 - 12/24
SC-M-203-5 (07/18)	Lightweight Aggregates	07/18 - 12/24
SC-M-203-6 (07/17)	Vibrating-Wire Piezometer	07/17 - 12/24
SC-M-203-7 (07/17)	Settlement Sensors	07/17 - 12/24
SC-M-203-8 (07/17)	Vibrating Wire Rod Extensometer	07/17 - 12/24
SC-M-203-9 (07/17)	Slope Inclinator Casing	07/17 - 12/24
SC-M-203-11 (07/19)	Vibrating Wire Data Collection Center	07/19 - 12/24
SC-M-204-1 (01/23)	Cofferdams	01/23 - 12/24

Construction Program

**WORK
ZONE**

\$6.8 Billion Construction Program



SCDOT Construction Program

- Largest Agency Procurement Program in SC
 - Monthly Letting – (≈ 20–40 proposals/month)
 - No July 2026 Letting
 - ≈ 300 Active Contracts at any given time
 - ≈ 67 Active Prime Contractors
 - 412 Prequalified Prime Contractors (as of 7/23/25)
 - Emergency Procurements
- Contract Award/Reject Information
 - See **Proposal Overview** under Doing Business/Construction Lettings on SCDOT website

SCDOT Construction Program

- AASHTOWare Project (AWP) Accounts

- ≈ 600 SCDOT Personnel (≈ 500 Field CEI + ≈ 100 HQ Program Managers)
- ≈ 500 Consultants
- Contractor Accounts
 - Number of Accounts Required?
 - Implement in 2 Phases
 - Change Orders
 - Estimates & Subcontractor Requests



- e-Ticketing For Asphalt Paving

- SCDOT Implementation of HaulHub
 - Implemented with the July 2025 Supplemental Technical Specification
 - All producers are producing e-tickets in the system.





NEW FEATURES
View Map

Photos 313

Activity

My Projects

Search Project Name or Supplier...

Date Last Active ▾

1

1664650 - 2023 PIPP RES...
1664650
UNDER CONSTRUCTION
20
DAYS ACTIVE

1min Ago

PROJECT STAFF

SUPPLIERS

MATERIALS

DB TP AM 46

PA 1

SB CR IC 7

0

0

1

212

190

All Tickets

Flagged

Rejected

Voided

Pending

Delivered

1

3469270 - 2025 NHS Prim...
3469270
UNDER CONSTRUCTION
7
DAYS ACTIVE

2min Ago

PROJECT STAFF

SUPPLIERS

MATERIALS

DB TP TJ 39

KI 1

IB SC IC 6

0

0

7

34

50

All Tickets

Flagged

Rejected

Voided

Pending

Delivered

1

4083940 - HARDSCRABBL...
4083940
UNDER CONSTRUCTION
87
DAYS ACTIVE

2min Ago

PROJECT STAFF

SUPPLIERS

MATERIALS

NT FB WS 13

PA 1

BA IB SB 4

0

0

1

212

190

All Tickets

Flagged

Rejected

Voided

Pending

Delivered

1

2366990 - US 25 Safety Im...
2366990
UNDER CONSTRUCTION
67
DAYS ACTIVE

2min Ago

PROJECT STAFF

SUPPLIERS

MATERIALS

TM MM DB 44

PA 1

IB JW SC 8

0

0

7

34

50

All Tickets

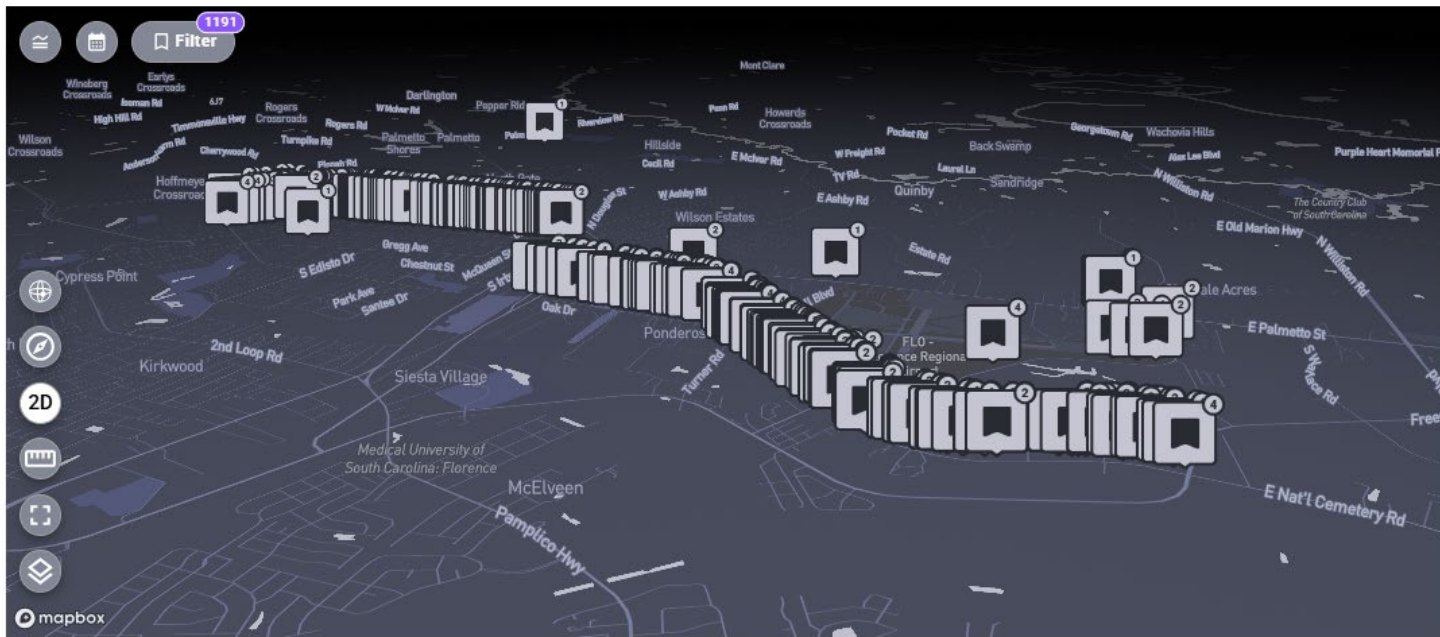
Flagged

Rejected

Voided

Pending

Delivered



12 Ticket Types

AMOUNT	↓	MATERIAL NAME	↑↓	NUMBER OF TICKETS	↑↓	TICKET TYPE	↑↓
10,720.63		Surface C (R)		522		Asphalt	
9,441.84		Surface B (R)		456		Asphalt	
5,659.48		Intermediate C (R)		275		Asphalt	
3,985.14		ASWM (R)		189		Asphalt	
2,493.68		Intermediate C (R)		118		Asphalt	
1,243.00		Surface D (R)		61		Asphalt	
1,031.02		Crush/Run		51		Aggregate	
145.09		Intermediate C (R)		7		Asphalt	
70.58		JW inter c		4		Asphalt Plant Waste	

Highway Safety Trailer w/ Blue Lights

- In coordination with SCDPS
- Purchased 25 Statewide
- Deployed and moved by SCDPS



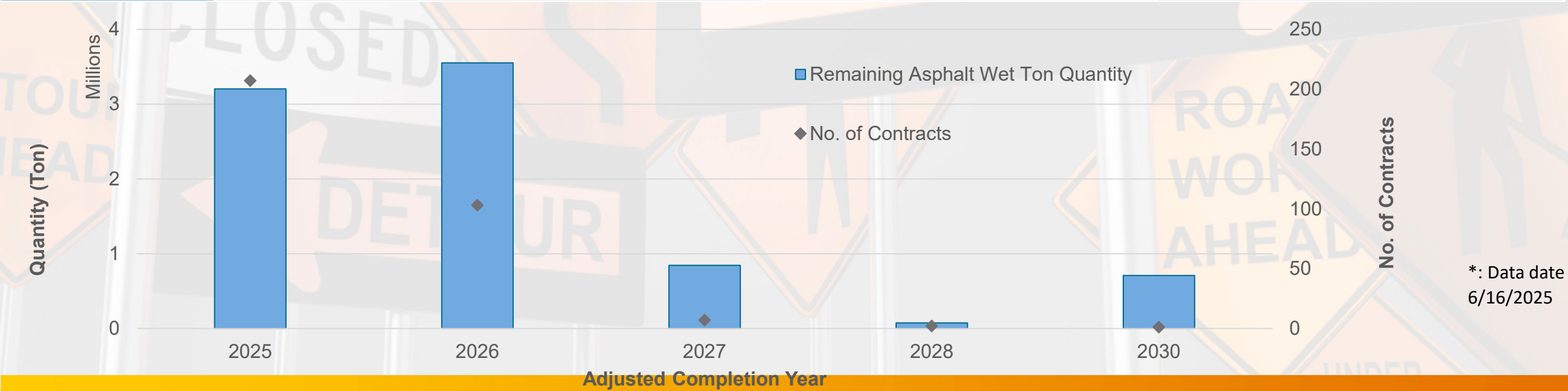
Asphalt & CMRB



**WORK
ZONE**

Asphalt Quantity in Wet Tons - Active DBB Contract Quantity*

Adjusted Completion Year	Remaining Asphalt Wet Ton Quantity	Production 2020 -2023		Estimated Time Needed (Year) Based on 2020-2023 Paid Quantity
		MIN.	MAX	
2025	3,204,357	3,125,824	4,820,905	0.66 - 1.03
2026	3,550,756			0.74 - 1.14
2027	844,158			0.18 - 0.27
2028	73,641			0.02 - 0.02
2030	707,776			0.15 - 0.23
Total	8,380,688			1.74 - 2.68



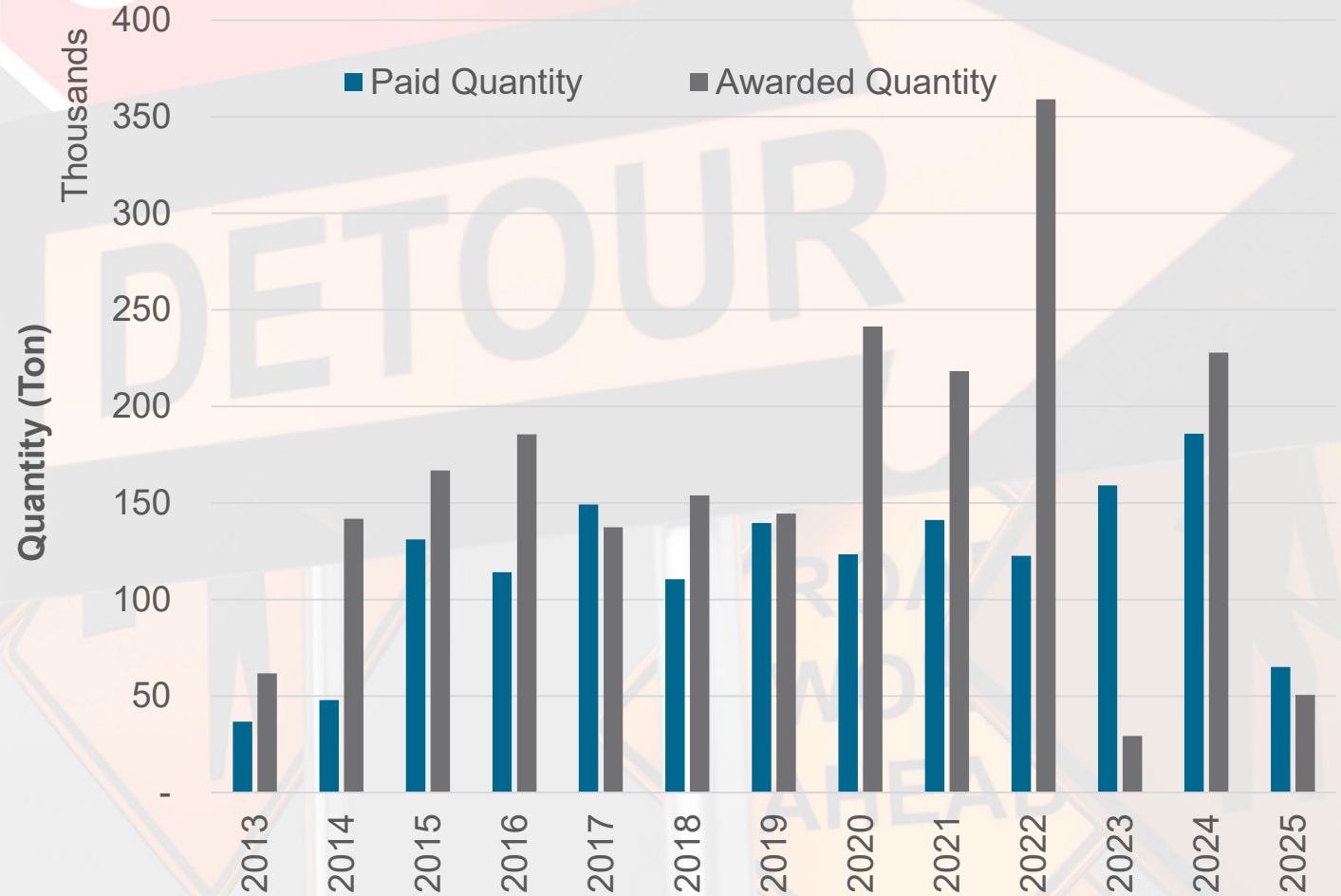
*: Data date
6/16/2025



Estimate Total by Calendar Year

3064000 PORTLAND CEMENT FOR CEMENT MODIFIED RECYCLED BASE COURSE (Ton)

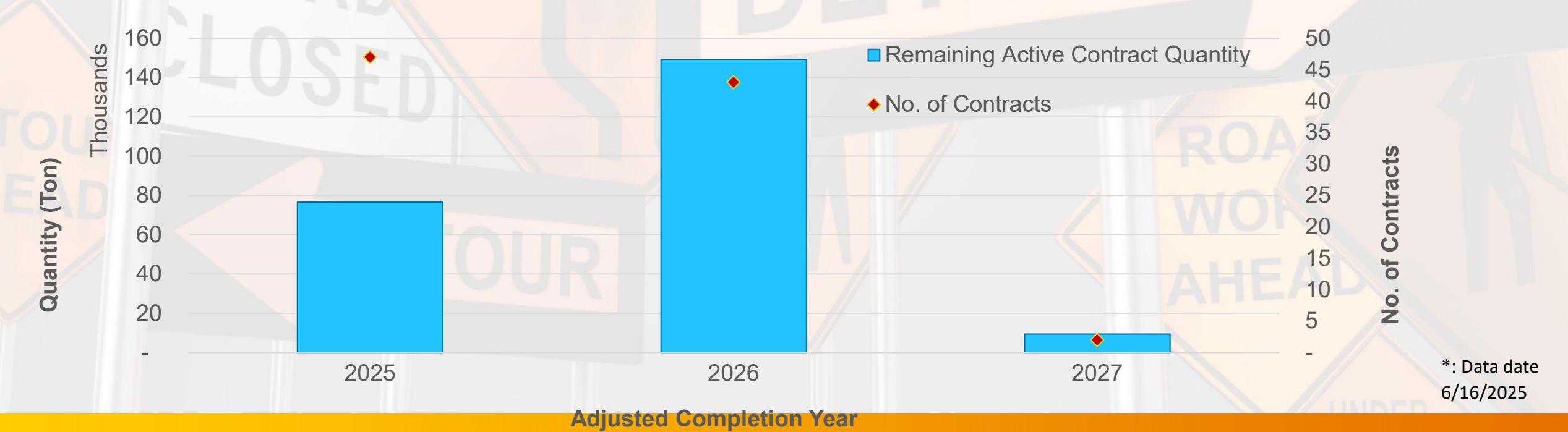
Estimate Year	Paid Quantity	Awarded Quantity
2013	36,675	61,689
2014	47,849	141,737
2015	131,157	166,743
2016	114,085	185,442
2017	149,248	137,386
2018	110,478	153,950
2019	139,561	144,535*
2020	123,362*	241,404
2021	141,110*	218,172
2022	123,518*	359,063
2023	159,033*	29,347
2024	185,805	227,757
2025	65,089	50,496



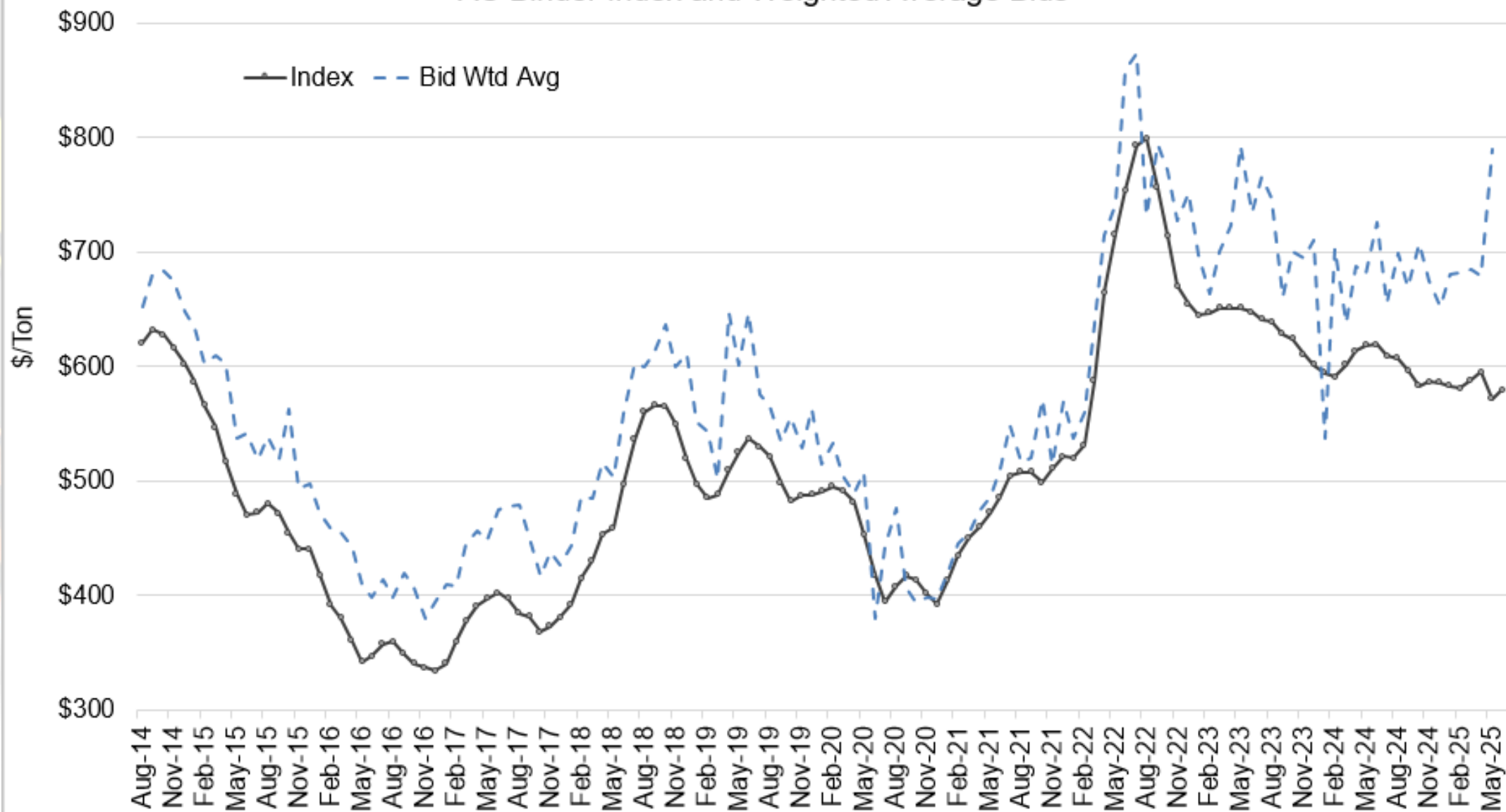
*: Includes estimated quantity from Contract ID 8847060 (I-26 widening from Exit 85 to Exit 101, Design Build, let 05/2019)

3064000 (PORTLAND CEMENT FOR CEMENT MODIFIED RECYCLED BASE COURSE) -Active DBB Contract Quantity*

Adj. Comp. Year	Active Contract Remaining Quantity	# of Contracts	Paid Cement Tonnage 2020-2023		Estimated Time Needed (Year) Based on 2020-2023 Paid Quantity
			MIN	MAX	
2025	76,594	47	123,518	185,805	0.41 – 0.62
2026	149,305	43			0.80 – 1.21
2027	9,342	2			0.05 – 0.08
Grand Total	235,241	92			1.27 – 1.90



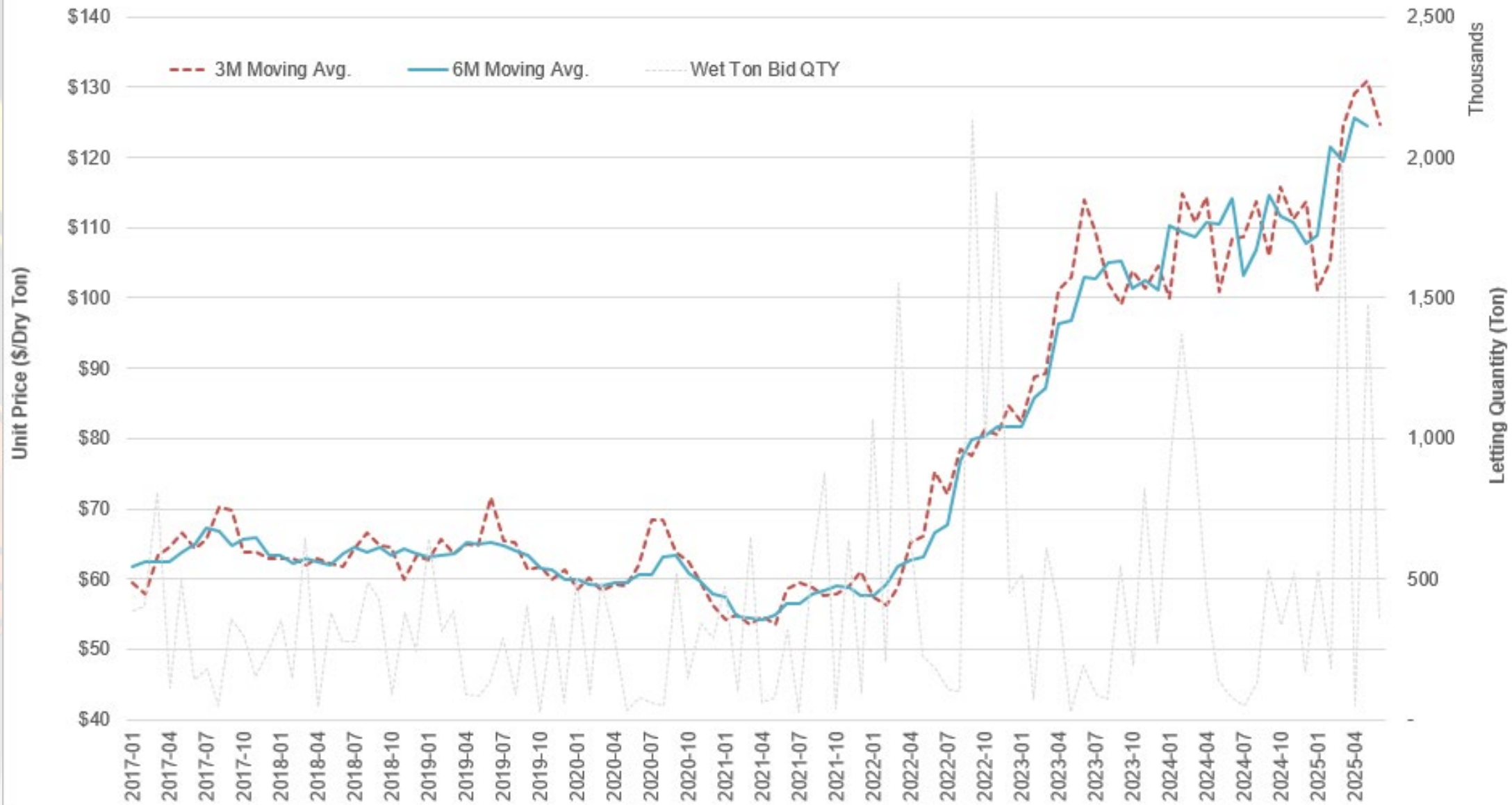
AC Binder Index and Weighted Average Bids



Data Date:
6/19/2025



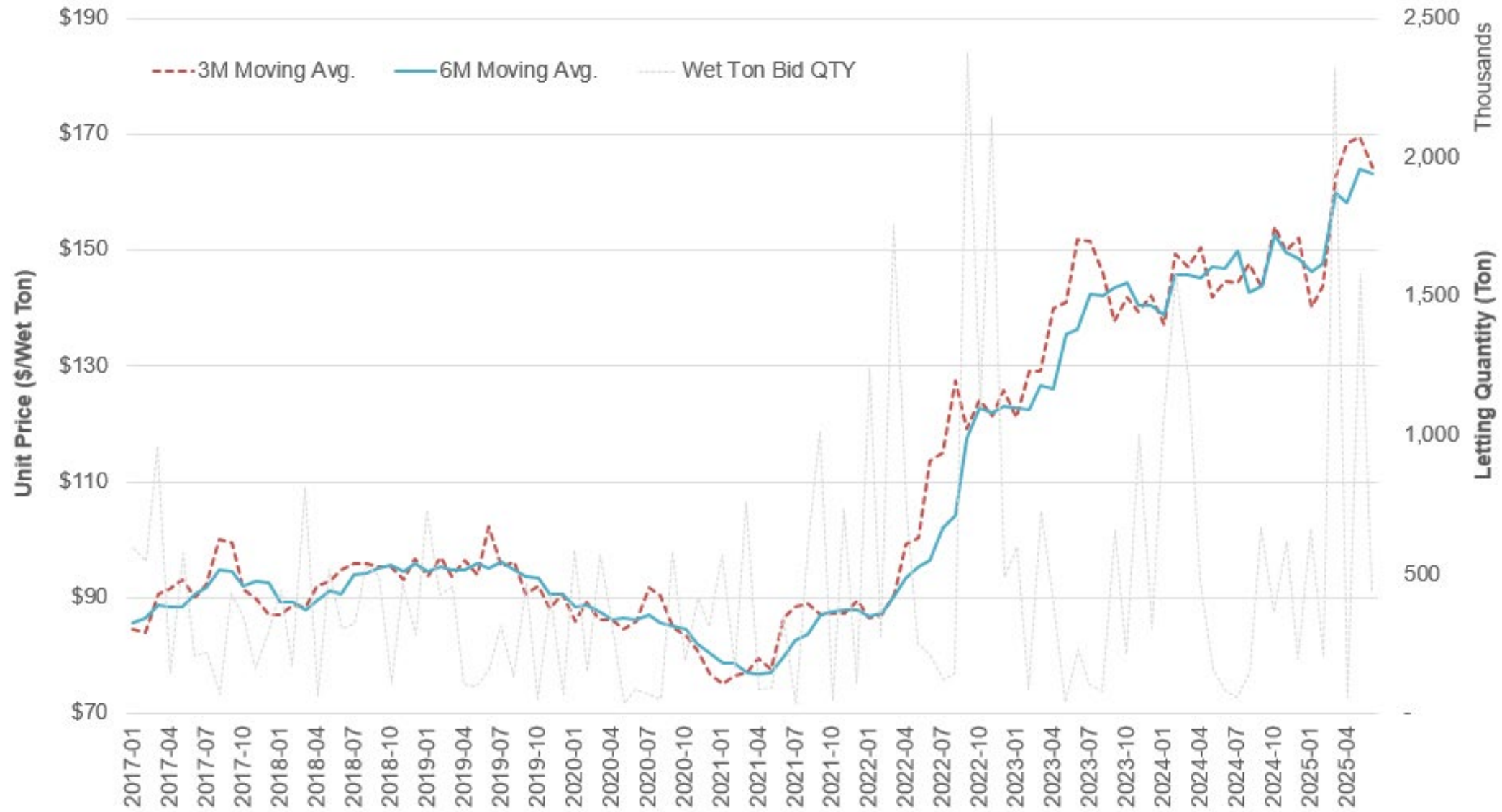
Weighted Average Dry Ton Unit Price (w/o SY Items)



Data Date:
6/19/2025



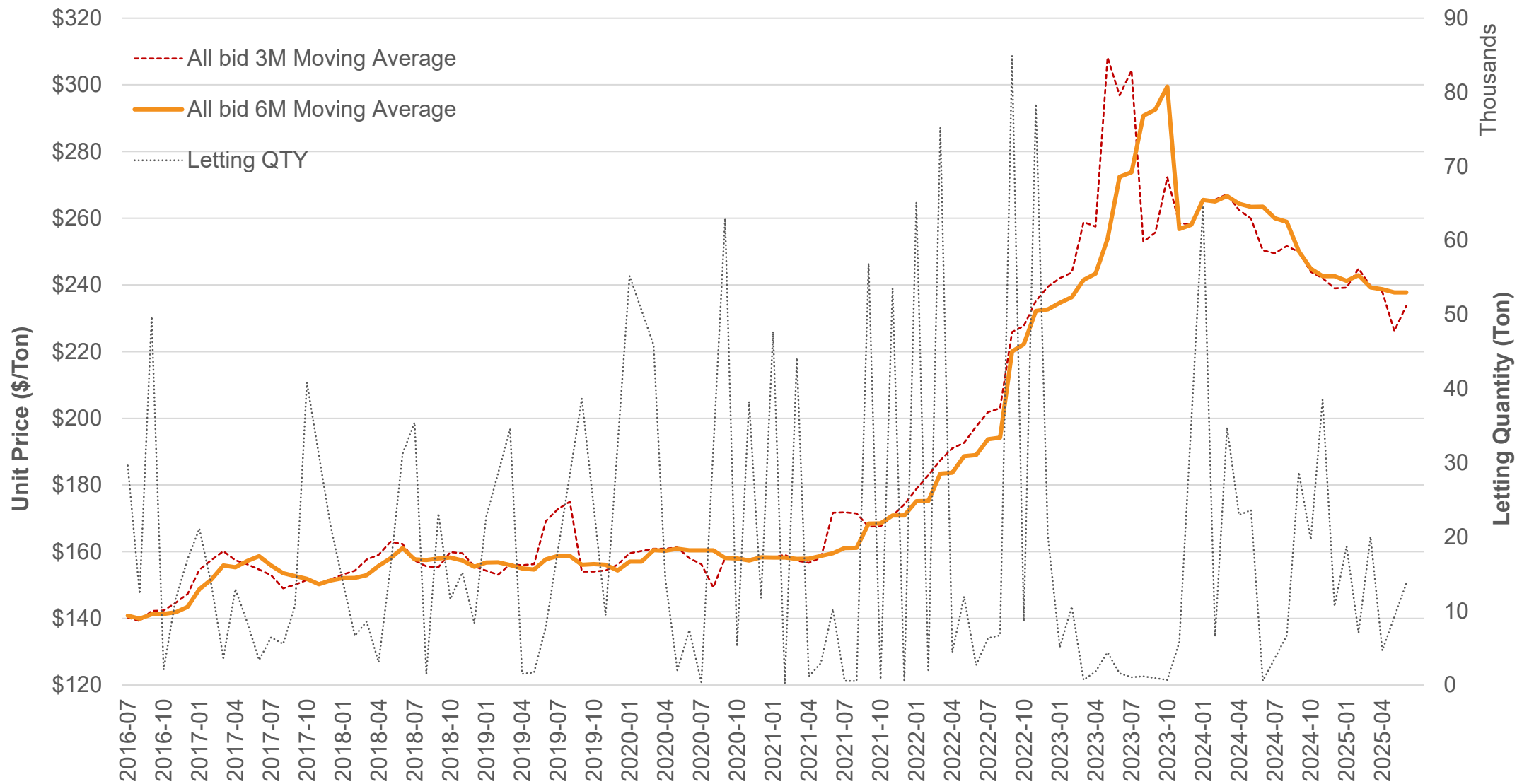
All Asphalt (including SY Items) - Weighted Average Wet Ton Unit Price



Data Date:
6/19/2025



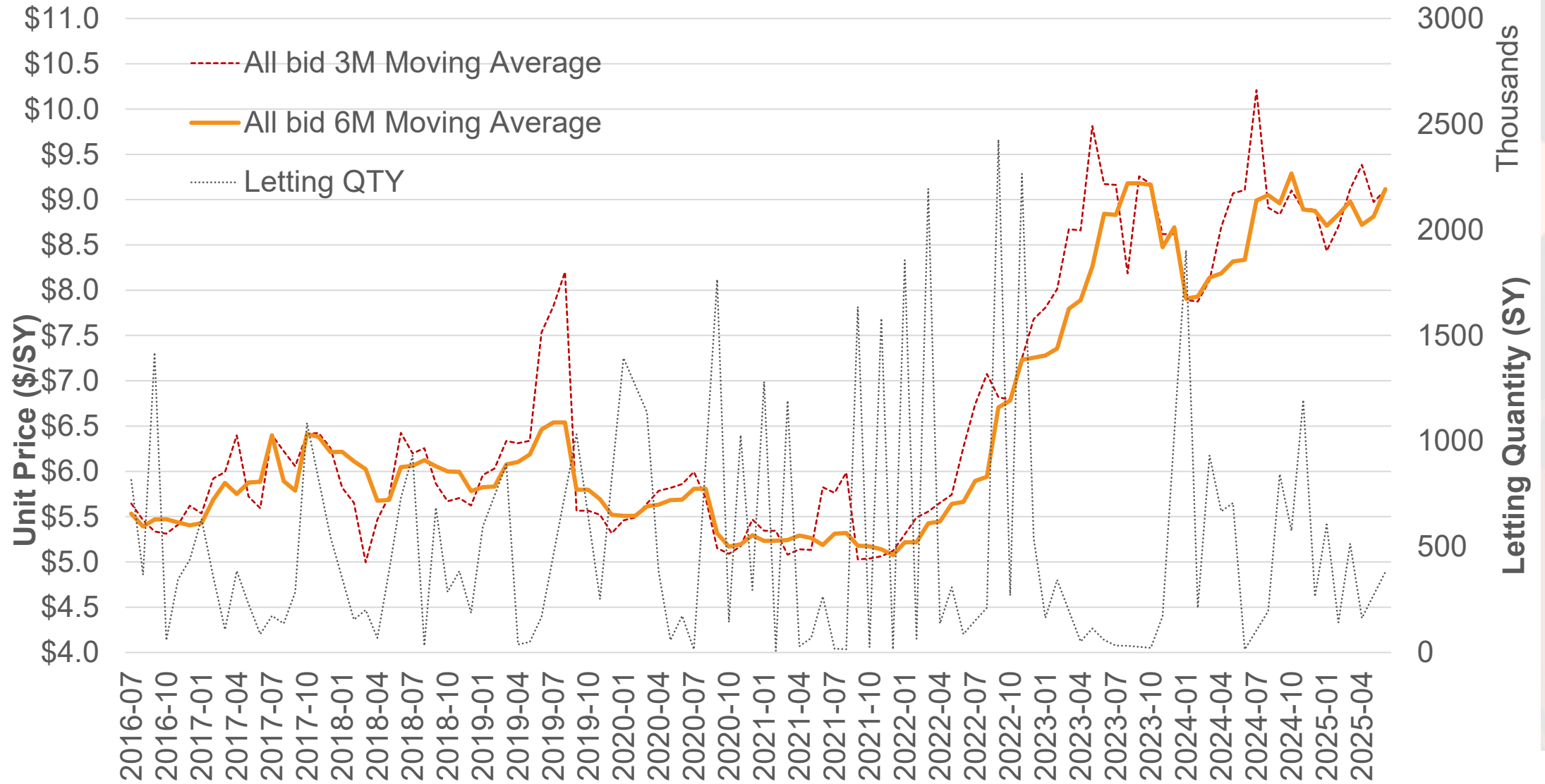
PORTLAND CEMENT FOR CEMENT MODIFIED RECYCLED BASE COURSE (Ton)



Data Date:
6/19/2025



All CMRB Mixing Price (SY) Weighted Average Bid Price



Data Date:
6/19/2025

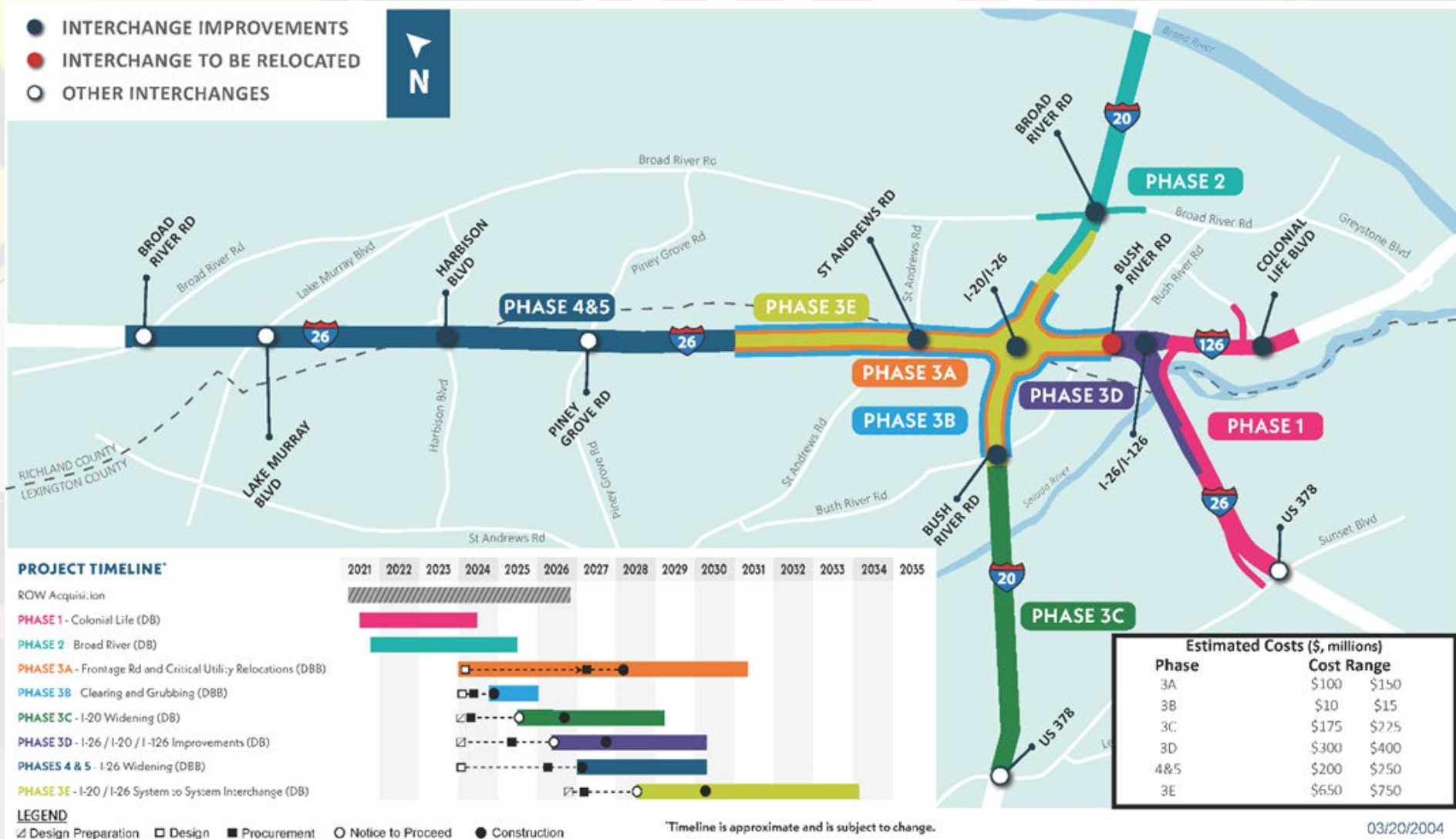


Alternative Delivery Projects

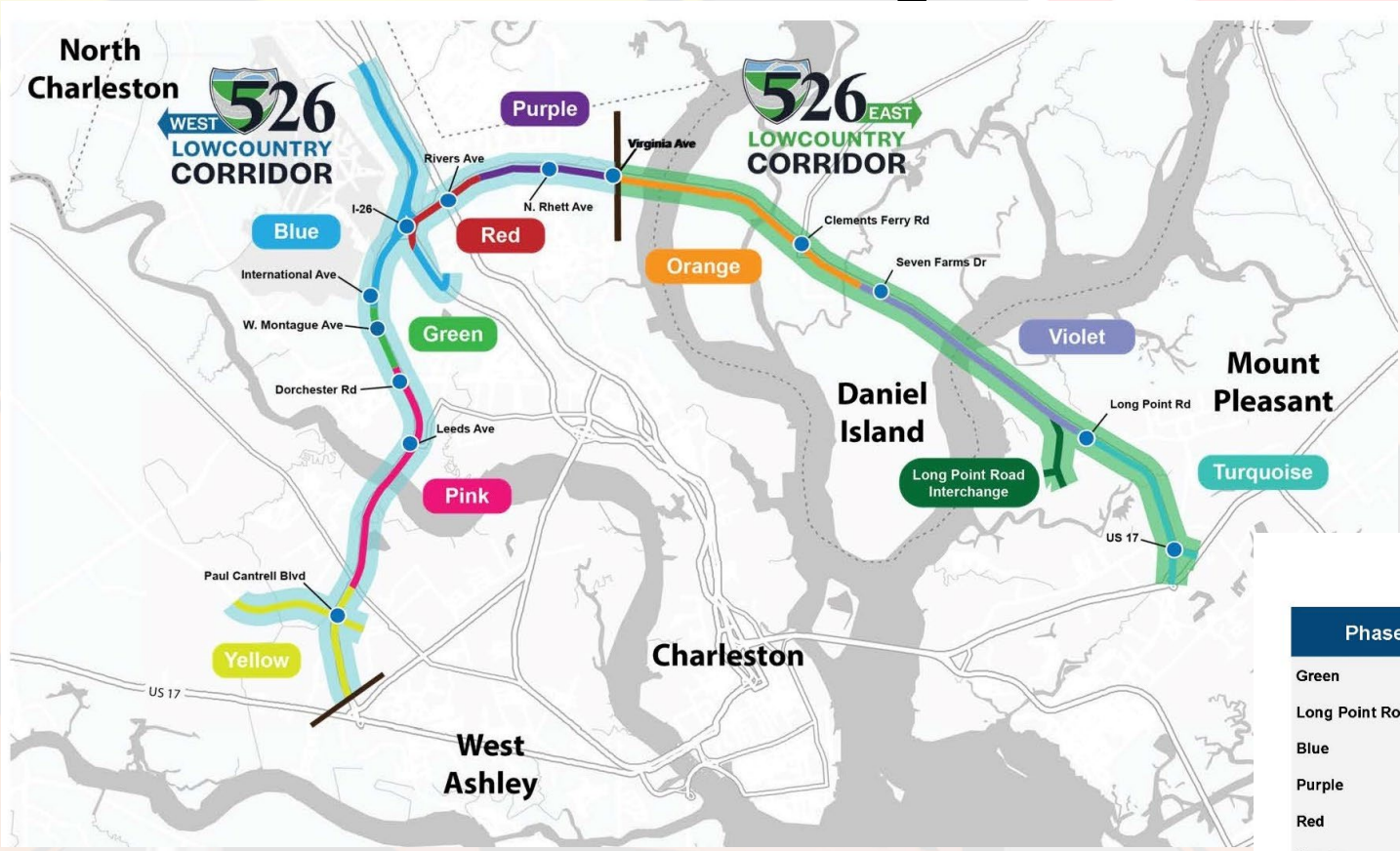


**WORK
ZONE**

Carolina Crossroads



I-526 Lowcountry Corridor



Approx. Total Costs & DB Contract Schedule

Long Point	\$204 M	2026
LCC West	\$3B	2029 to 2032
LCC East	\$4.5B	2036 to 2045

Estimated Construction Duration and Cost

		Fiscal Year																							
Phase	Cost	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045		
Green	\$68 M																								
Long Point Road	\$204 M																								
Blue	\$362 M																								
Purple	\$770 M																								
Red	\$464 M																								
Orange	\$3.0 B																								
Yellow	\$114 M																								
Violet	\$840 M																								
Pink	\$370 M																								
Turquoise	\$130 M																								



Closed and Load Restricted Bridge Packages

Currently Under Construction



Project	District	Number of Bridges	Contract Value
Bridge Package 14	4	5	\$14.5M
Bridge Package 16	3	5	\$49M
Bridge Package 17	4	6	\$69M
Bridge Package 18	5	2	\$8M
Bridge Package 20	4	7	\$23.1M
Bridge Package 19	3	8	\$23.3M
Bridge Package 27	5	2	\$11M

Total = 197.9 M

Closed and Load Restricted Bridge Packages

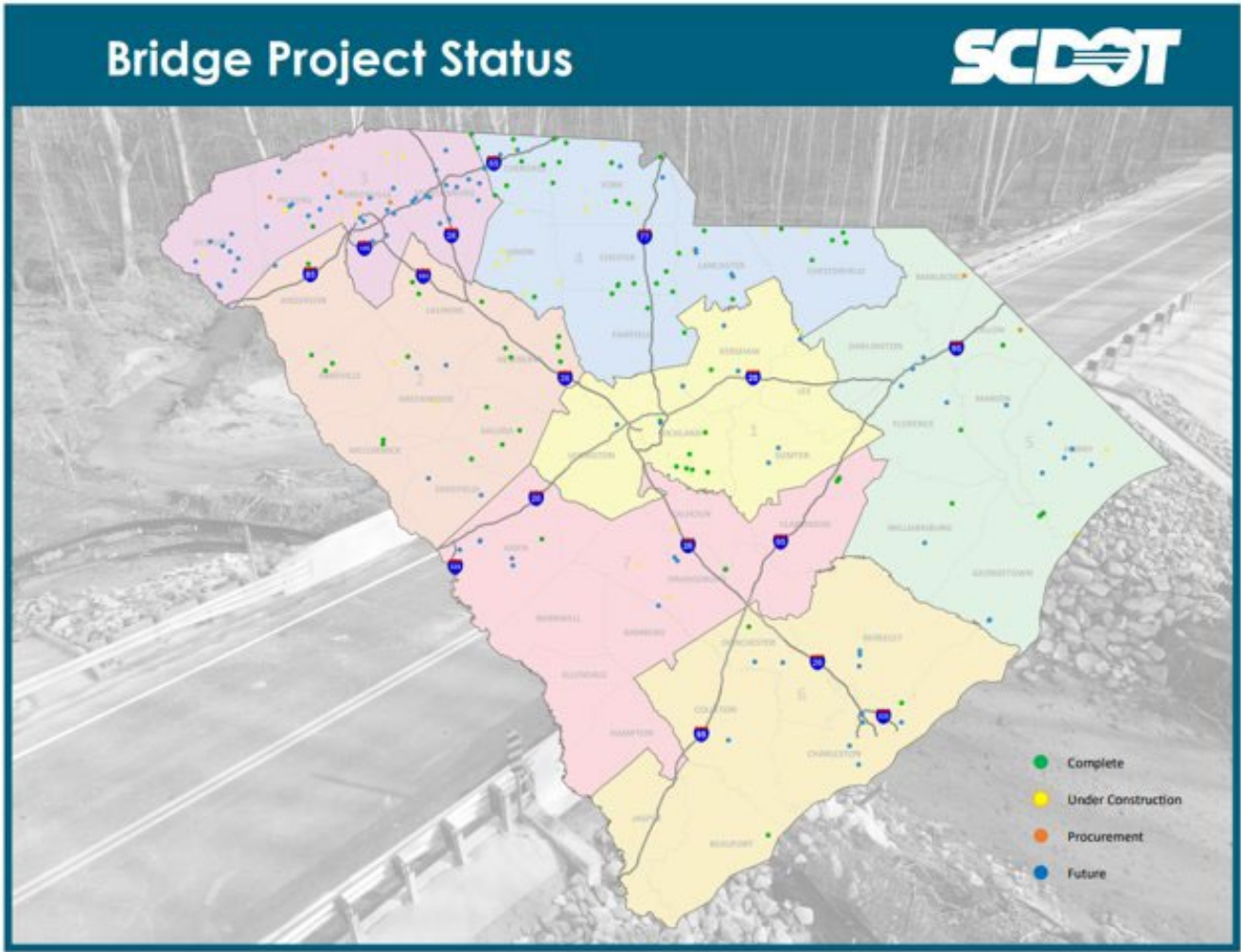
Currently Under “Emergency”
Construction



Project	District	Number of Bridges	Contract Value
Bridge Package 29	3,6	2	\$22.2M
Bridge Package 30	2,3,6	4	\$21.7M
Bridge Package 31	3	4	\$18.5M
Bridge Package 32	7	6	\$34.2M
S-31 Cannons Campground	3	1	\$7.7M

Total = 104.3 M

Closed and Load Restricted Bridge Packages



Future Projects

Project	District	Number of Bridges	Contract Value	Schedule
Bridge Package 22	5	13	\$46M	2026
Bridge Package 23	6	10	\$35M	2026
Bridge Package 24	1,7	18	\$63M	2027
Bridge Package 25	2,4	14	\$49M	2027
Bridge Package 26	3	18	\$63M	2028
Bridge Package 28	3	16	\$56M	2028

Total = 312 M

Large Interstate Bridge Projects



**I-95 over Lake Marion
\$350M and Q4 2025**



**I-95 over Great Pee Dee River
\$200M and 2030's**

Major Design-Bid-Build Projects



**WORK
ZONE**



-
- SCDOT**
South Carolina Department of Transportation
- GPATS** Mauldin
- PUBLIC INFORMATION MEETING
JANUARY 2021
S-107 (BUTLER ROAD)
CITY OF MAULDIN
- LEGEND**
- PLANTED MEDIAN
 - PROPERTY LINE OR EXISTING RIGHT OF WAY
 - PROPOSED NEW RIGHT OF WAY
 - FACE OF CURB
 - EXISTING MEDIAN
 - EXISTING ASPHALT PAVEMENT
 - REMOVE EXISTING PAVEMENT
 - NEW CONCRETE SIDEWALK ON CURB & OUTSIDE
 - GRADE BUMP STOPPER
 - EXISTING MEDIAN
 - PROPOSED MEDIAN
 - OVERLAND HIGHWAY
 - STREET
- JANUARY 2021

SCOPE OVERVIEW

1.7
miles

5
intersection
improvements

2
new bridges

10'
new
multiuse path

The purpose of the project is to improve operational efficiency, including improvements to the existing bicycle-pedestrian facilities, along East Butler Road between US 276 & the Mauldin Senior Center entrance.

SC 126 Belvedere-Clearwater Rd – Aiken Co.



Conceptual Rendering of Proposed Project



US 21/US 178 – Joe Jeffords Hwy Orangeburg Co.



- Widening from 2 lanes to 5 lanes (including TWLTL)
- New Shared Use Path and Sidewalk
- Various Drainage Improvements (Including Culvert Reconstruction)
- Updated Transit Stop
- Letting – Spring 2026



**WORK
ZONE**

Questions