

MDOT
Fiscal Year 2017
Construction Contracting Statistics

CONTRACT SERVICES DIVISION
December 07, 2017

MDOT FY 2017 Letting Statistics

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FY 2017 MDOT CONSTRUCTION CONTRACT ACTIVITY

BID LETTING

STATS		<u>FY 2017</u>	<u>FY 2016</u>
Number of Lettings:		27	26
Projects Let:		691	742
Eng. Est:		\$1.34 billion	\$1.39 billion
Low Bid Total:		\$1.27 billion	\$1.29 billion
Bids Received:		2,964	2,900
Individual Bidders-Bids Received:		229	236

STATE TRUNKLINE

STATS (proj Let)

<u>FY 2017</u>	<u>FY 2016</u>
291 projects, 42.1% of overall	309 projects, 41.6% of overall
\$902.4 million, or 71.3% of overall	\$879.1 million, or 68.1% of overall

PROGRAM AREA STATS

2017 388 Local, 10 Aeronautics, 2 Freight Services, or 57.9% of the overall 691 projects Let
\$363.1 million in low bid dollars

2016 429 Local, 2 Aeronautics, 2 Freight Services, or 58.4% of the 742 projects Let
\$411.1 million in low bid dollars

PROJECTS UNSUCCESSFUL FOR AWARD

	<u>Low Bid Rejection/Appeal</u>	<u>Low Bid Withdrawals</u>	<u>No Bids Received</u>	<u>Not Considered Bids</u>	<u>All Bids Rejected</u>
2017	5	3	0	5	15 (7 Trunkline)
2016	1	0	0	5	20 (9 Trunkline)

PREQUALIFICATION

	<u>FY 2017</u>	<u>FY 2016</u>
Number of Prequalified Contractors	648	662

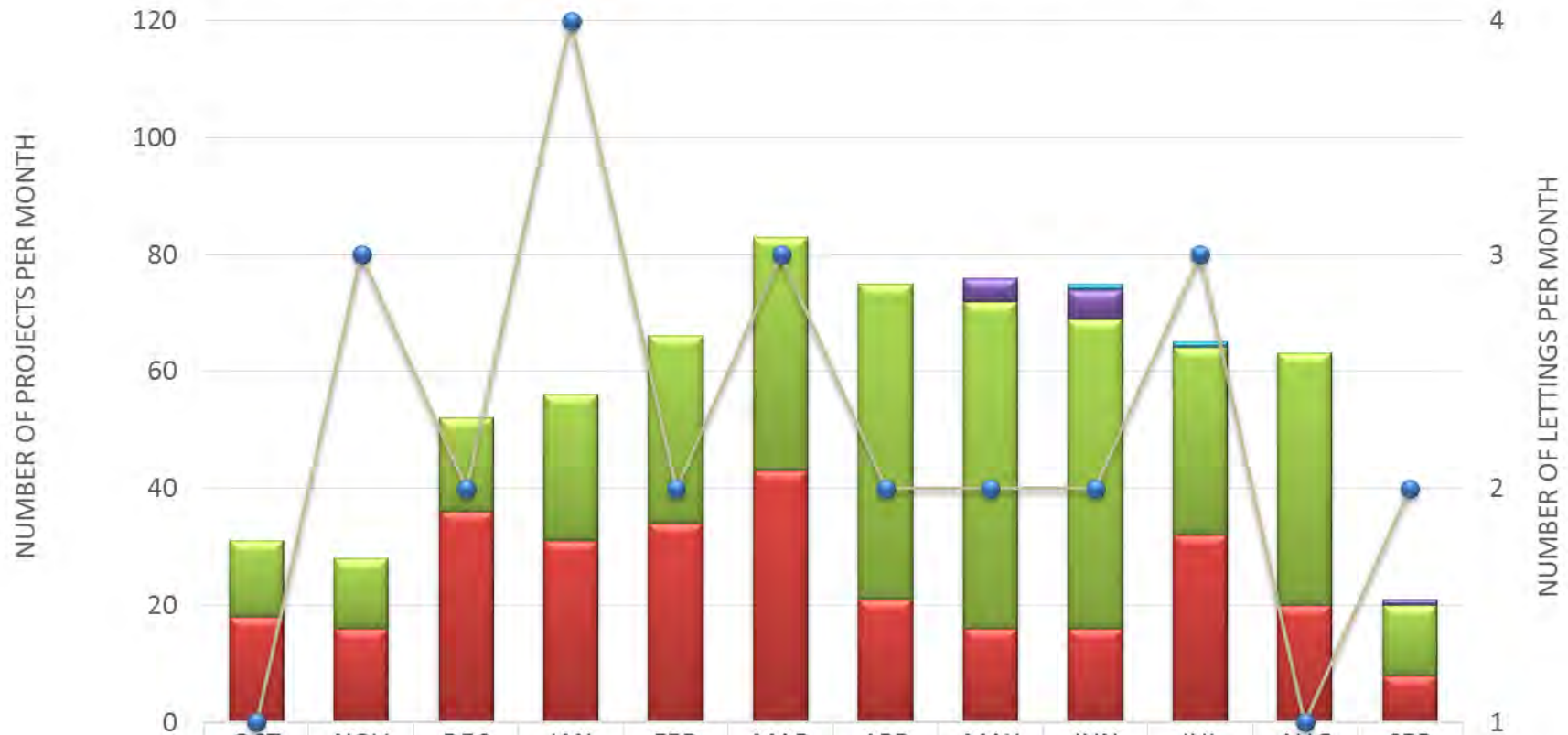
CONTRACTS

Number – Contracts Awarded	676	749
Contract Total	\$1.27 billion	\$1.19 billion
Top 10 Contracts	62.7% of total dollars	57.9% of total dollars

PAYMENTS

Payment Estimates	9,942	10,957
Dollars Paid	\$1.19 billion	\$1.26 billion

DISTRIBUTION OF LETTINGS AND PROJECTS



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
FREIGHT SERVICES	0	0	0	0	0	0	0	0	1	1	0	0
AERO	0	0	0	0	0	0	0	4	5	0	0	1
LOCAL	13	12	16	25	32	40	54	56	53	32	43	12
STATE	18	16	36	31	34	43	21	16	16	32	20	8
Lettings per Month	1	3	2	4	2	3	2	2	2	3	1	2

- 27 lettings were held FY 2017
- Number of projects ranged per letting from 1 to 77

TOP 10 WORK TYPE CLASSIFICATIONS

Number of Prequalified Contractors in each class

WORK CLASSIFICATION	NUMBER OF PREQUALIFIED CONTRACTORS	WORK TYPE DESCRIPTION
Ea	302	Grading, Drainage Structures, and Aggregate Construction
K	224	Sewers and Watermains
J	206	Miscellaneous Concrete Items
I	188	Seeding and Sodding/Turf Establishment
N2	174	Clearing
G	108	Building Moving and Demolition
Ba	106	Concrete Pavement Patching and Widening
Fa	94	Bridges and Special Structures
Cb	92	Plant-Mixed hot Mix Asphalt/Bituminous Paving
Fd	82	Pump Stations

TOP 10 PRIME CONTRACTORS

FY 2017 Comparison to FY 2016

Awarded Contracts

FY 2017	
Awarded Contractor	Awarded Amount
Dan's Excavating, Inc.	\$218,717,494.15
C.A. Hull Co., Inc.	\$170,429,751.80
Toebe Construction LLC	\$77,234,092.24
Rieth-Riley Construction Co., Inc.	\$63,512,465.52
Angelo Iafrate Construction Company	\$62,494,496.12
Michigan Paving and Materials Company	\$52,558,542.61
Ajax Paving Industries, Inc.	\$49,559,251.67
D. J. McQuestion & Sons, Inc.	\$37,752,314.50
Anlaan Corporation	\$33,597,807.52
Cadillac Asphalt, L.L.C.	\$29,846,519.55
TOTAL - Top 10	\$795,702,735.68
2017 Total Contract Dollars	\$1,268,690,217.34
Percent of Total Program	62.72%

FY 2016	
Awarded Contractor	Awarded Amount
Dan's Excavating, Inc.	\$214,680,347.83
Rieth-Riley Construction Co., Inc.	\$127,335,003.12
Toebe Construction LLC	\$85,900,059.54
Michigan Paving and Materials Company	\$60,396,152.56
C.A. Hull Co., Inc.	\$47,924,392.47
Kamminga & Roodvoets, Inc.	\$35,252,775.30
Ajax Paving Industries, Inc.	\$33,864,363.03
Anlaan Corporation	\$30,078,414.86
Florence Cement Company	\$26,482,000.24
Z Contractors, Inc.	\$25,213,801.01
TOTAL	\$687,127,309.96
2016 Total Contract Dollars	\$1,186,216,987.38
Percent of Total Program	57.93%

DISTRIBUTION OF PREQUALIFIED CONTRACTORS

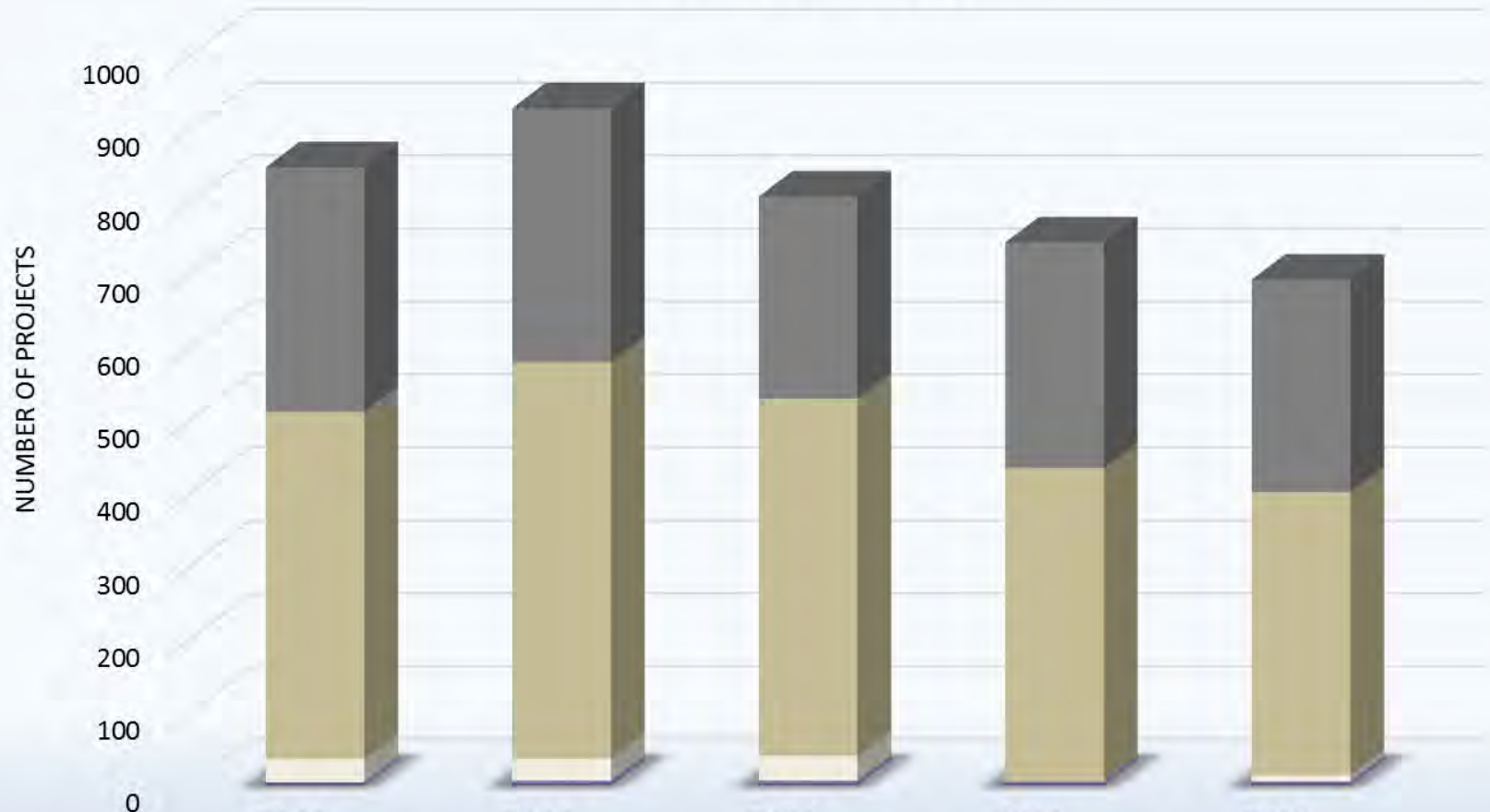
By Financial Rating

PREQUALIFICATION RANGE	FY 2017		FY 2016	
	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE
	<u>of Contractors</u>	<u>of total Number</u>	<u>of Contractors</u>	<u>of total Number</u>
\$0 - \$2,000,000	322	49.69%	343	51.81%
\$2,000,001 - \$10,000,000	20	3.09%	33	4.98%
\$10,000,001 - \$20,000,000	62	9.57%	61	9.21%
\$20,000,001 - \$100,000,000	151	23.30%	142	21.45%
\$100,000,001 and Above	93	14.35%	83	12.54%
TOTALS	648	100.00%	662	100.00%

- 648 construction contractors were prequalified in FY 2017
- 129 contractors worked on projects as prime

PROJECTS BY PROGRAM AREA

Number of Projects Let
FY 2013 - FY 2017

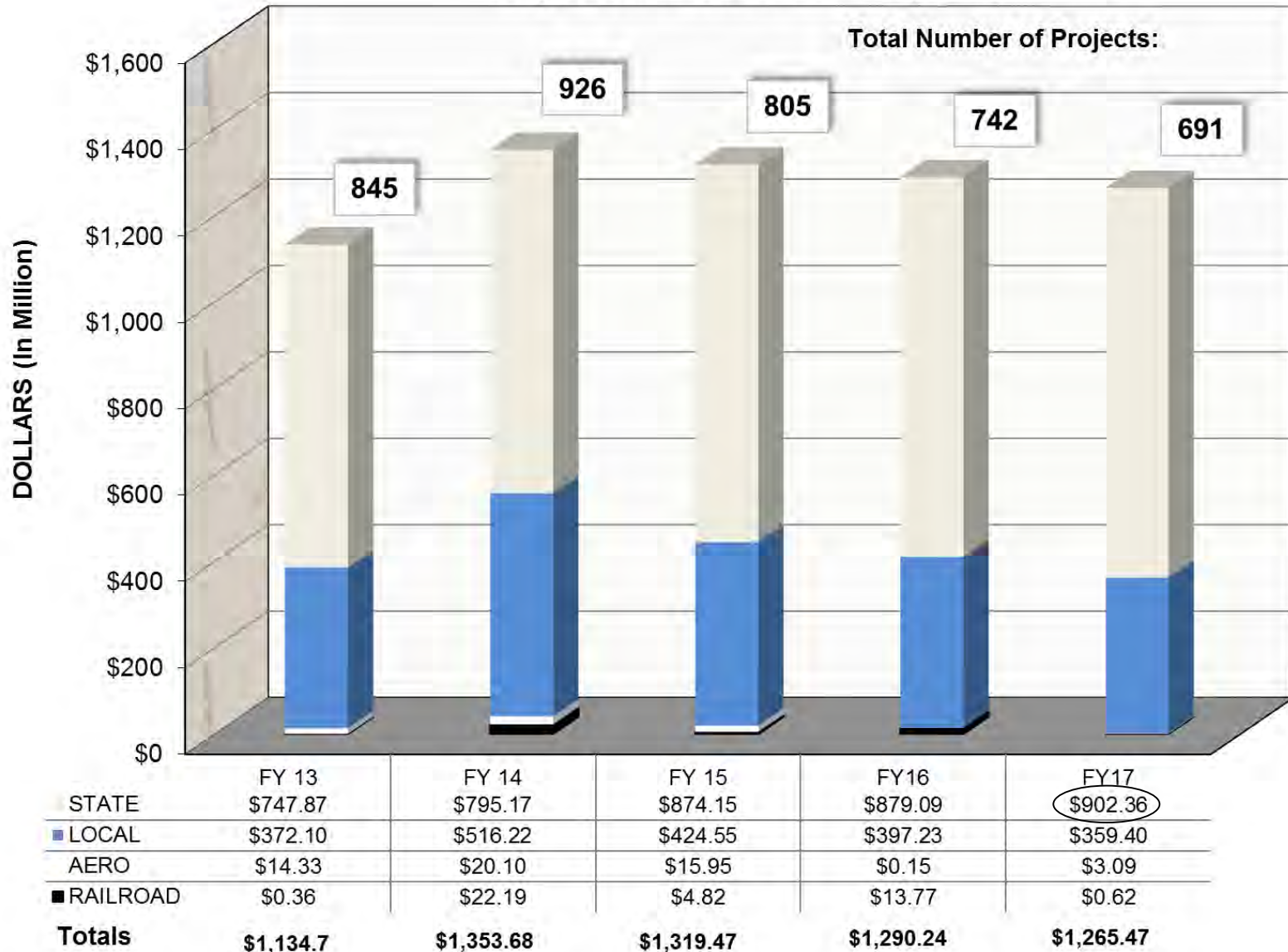


	FY 13	FY 14	FY 15	FY16	FY17
STATE	335	348	277	309	291
LOCAL	476	544	490	429	388
AERO	33	31	35	2	10
RAILROAD	1	3	3	2	2
Totals	845	926	805	742	691

6.87% decrease

PROJECT BY PROGRAM AREA

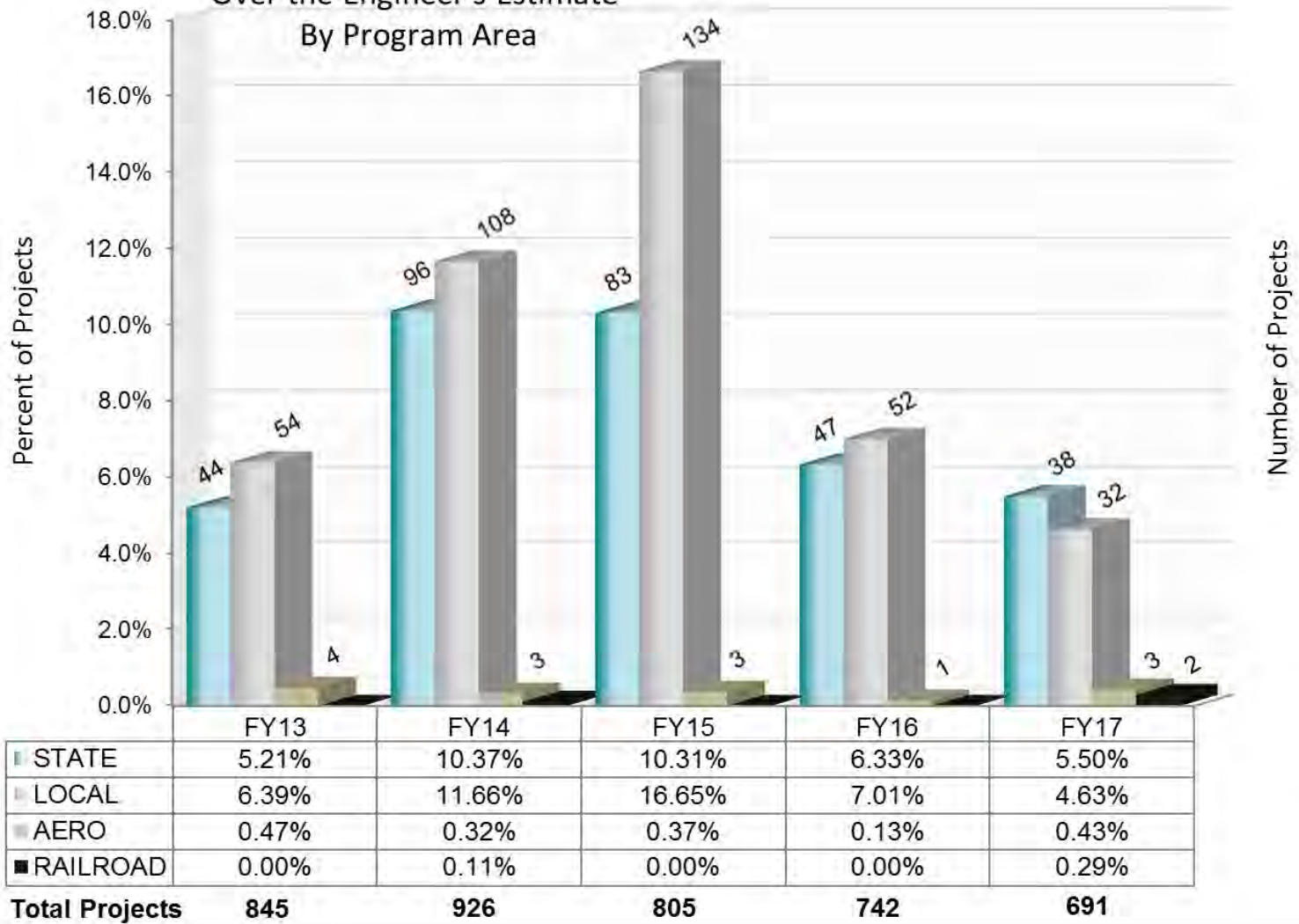
Project Dollars Let - 5 Year Comparison



- State trunkline projects represented \$902.4 million, or 71.3% of the total project dollars

ACCURACY OF ENGINEER ESTIMATES

Percent of Projects Let 10%
Over the Engineer's Estimate
By Program Area

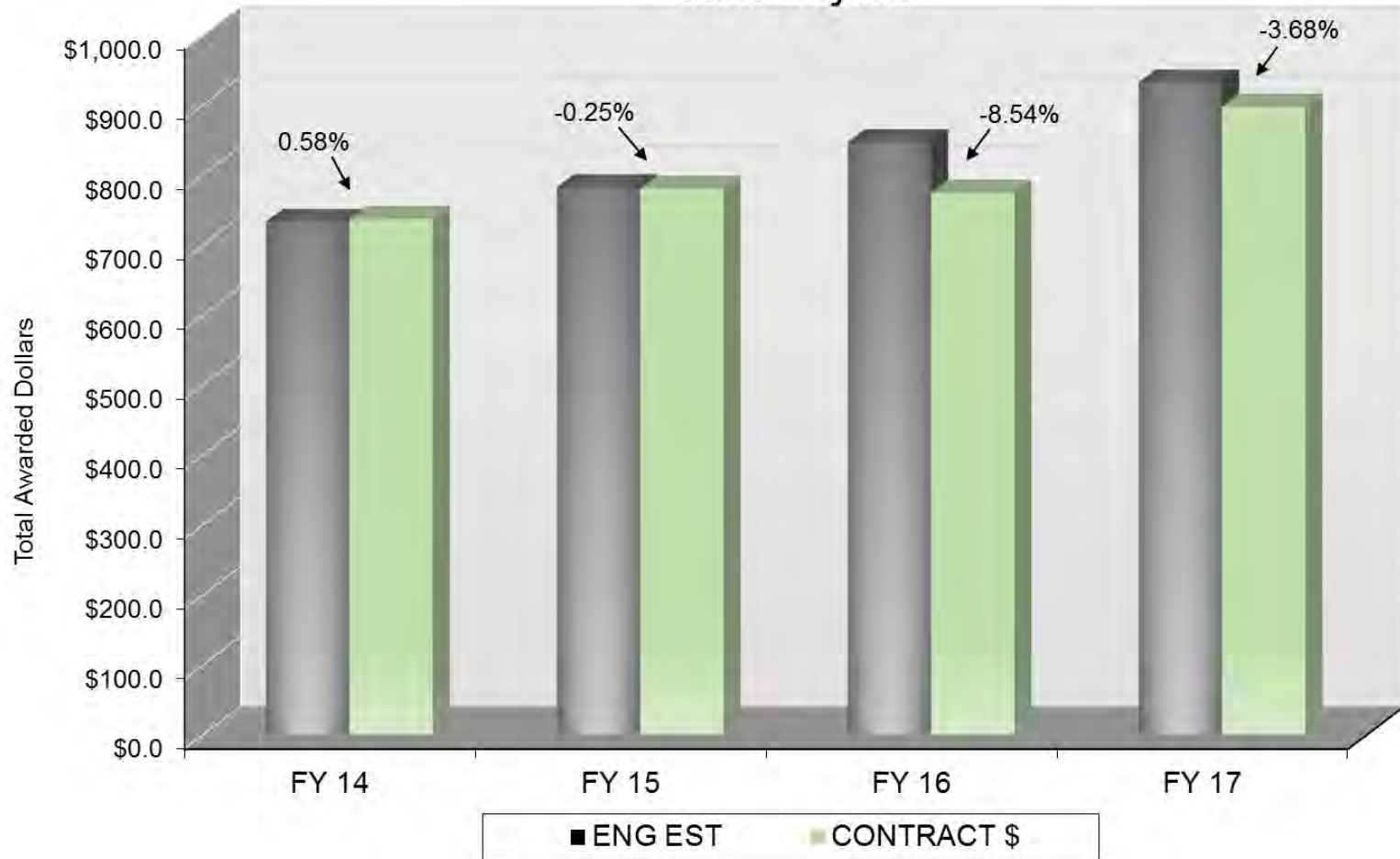


- 38, or 5.50%, of the State trunkline project low bids received were 10% over the engineer's estimate of the overall 691 projects let

ACCURACY OF ENGINEER ESTIMATES

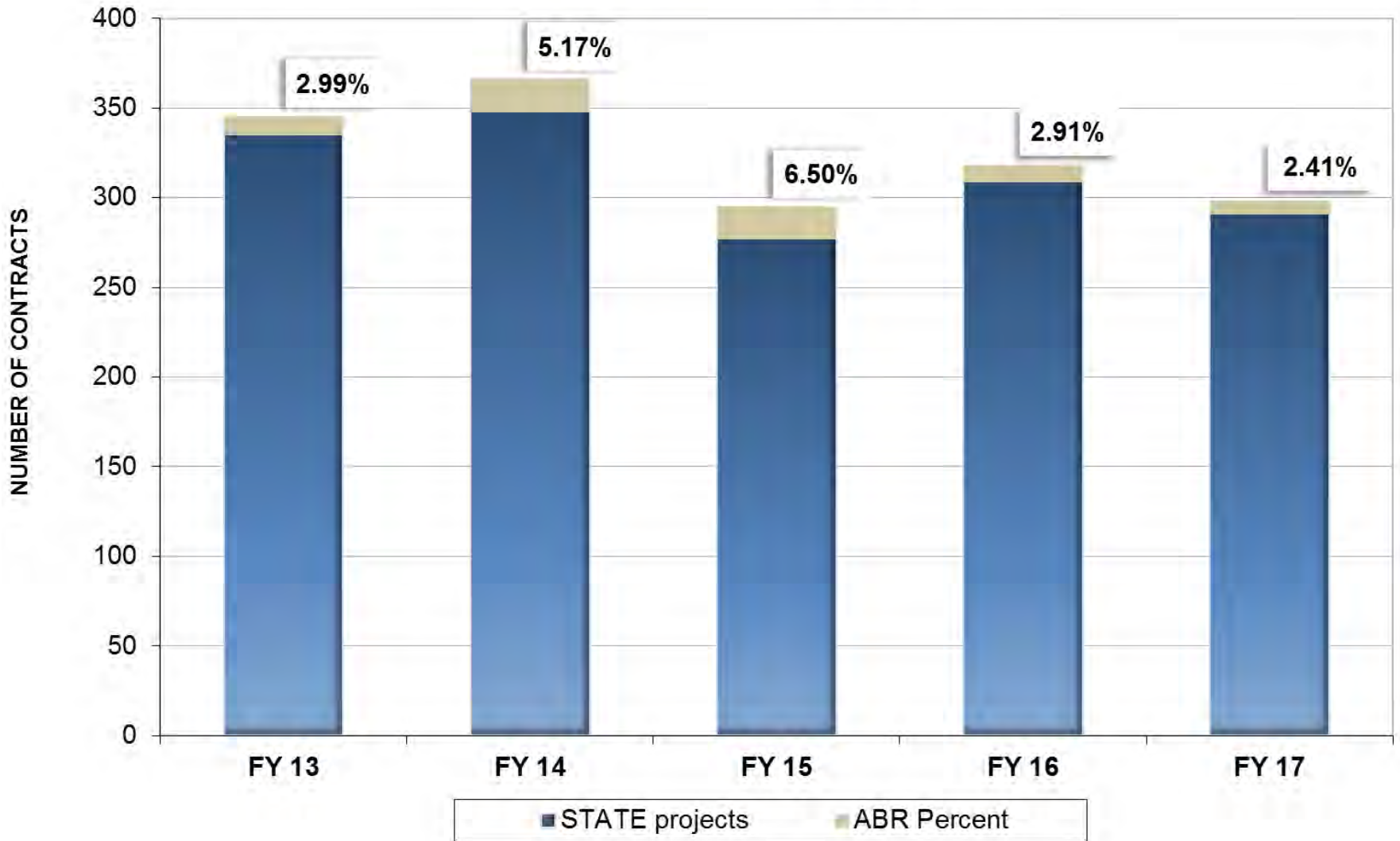
Project Bids Awarded vs. Engineer Estimates

State Projects



- This chart represents the difference of total project dollars awarded above or below the engineer's estimates for each fiscal year
- 34.3% met the FHWA requirement of 50% for construction contracts to fall within the range of 10% above and below the engineer's estimate

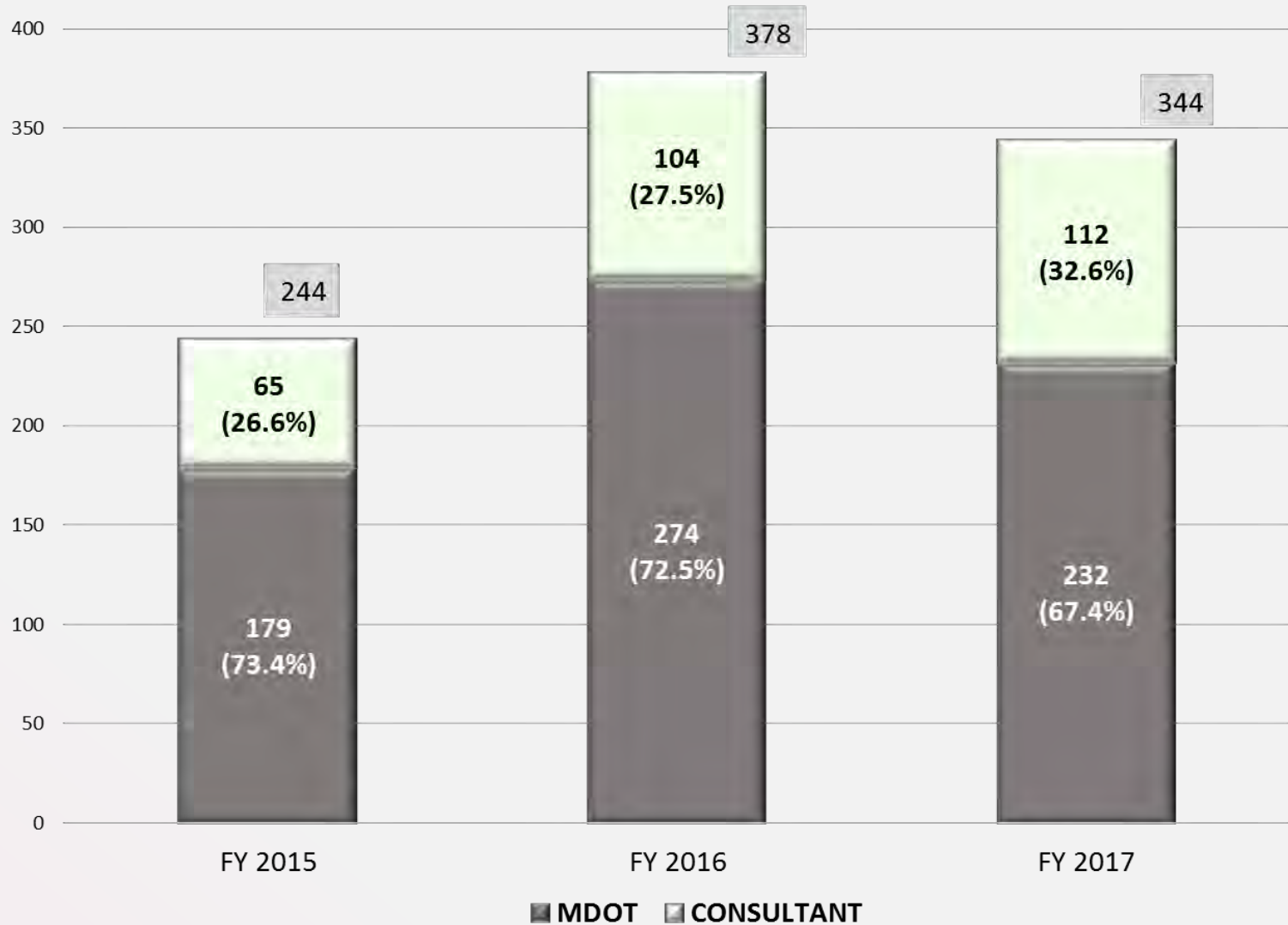
STATE PROJECTS vs. ALL BIDS REJECTED



- Seven, or 2.41% of the 291 State trunkline projects let, resulted in rejection of all bids

DESIGN OF STATE PROJECTS

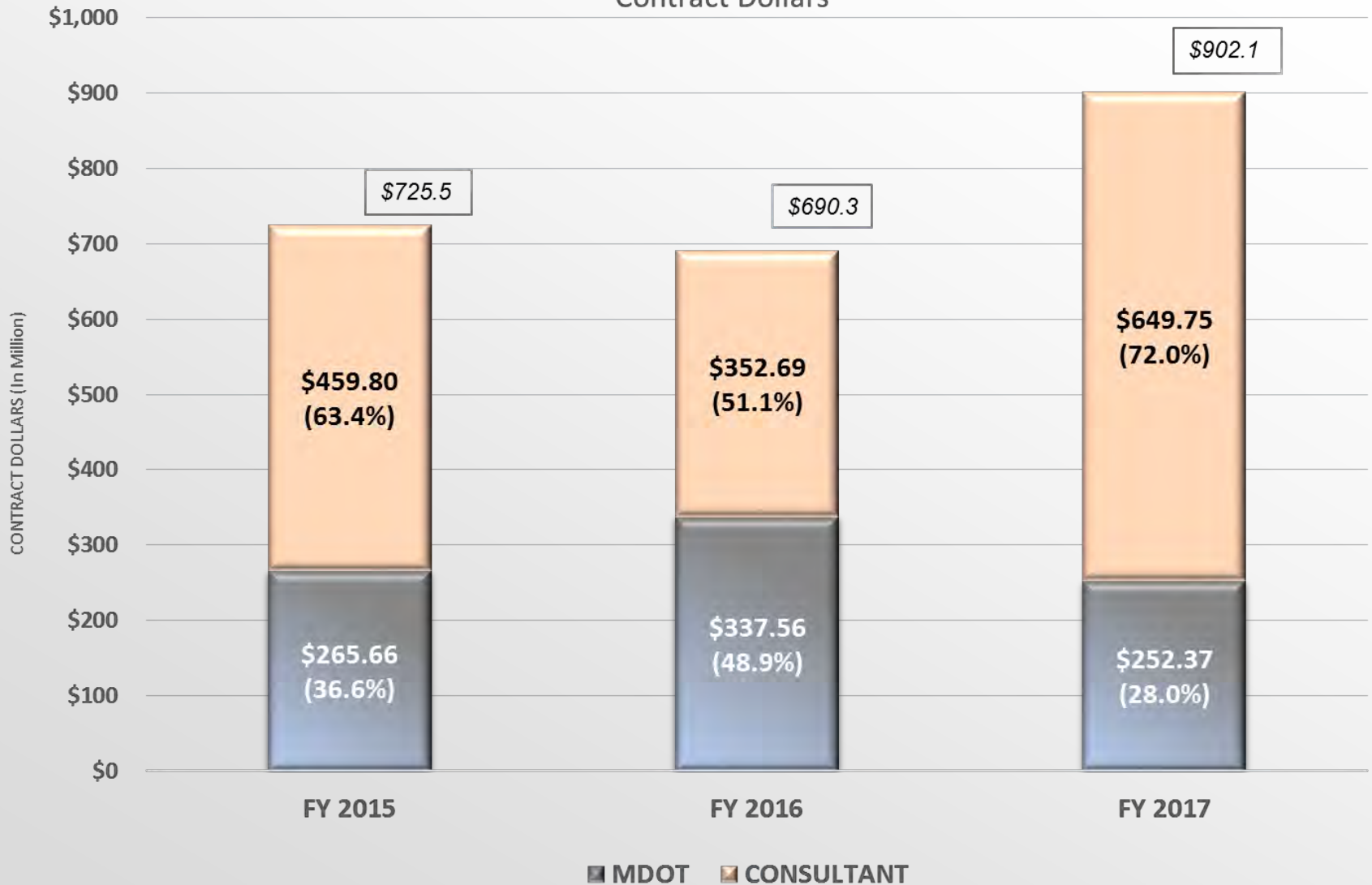
Number of Projects



- MDOT designed 232 projects during FY17 of the total 344 projects designed
- During FY16, MDOT designed 274 of the 378 projects designed

DESIGN OF STATE PROJECTS

Contract Dollars



- For FY17, MDOT designed 28.0%, or \$252.37 million, of the total \$902.1 million in contract dollars
- During FY16, MDOT designed 48.9%, or \$337.6 million, from \$690.3 million in total contract dollars

Unbalanced Bid Review

“Unbalanced” Bidding

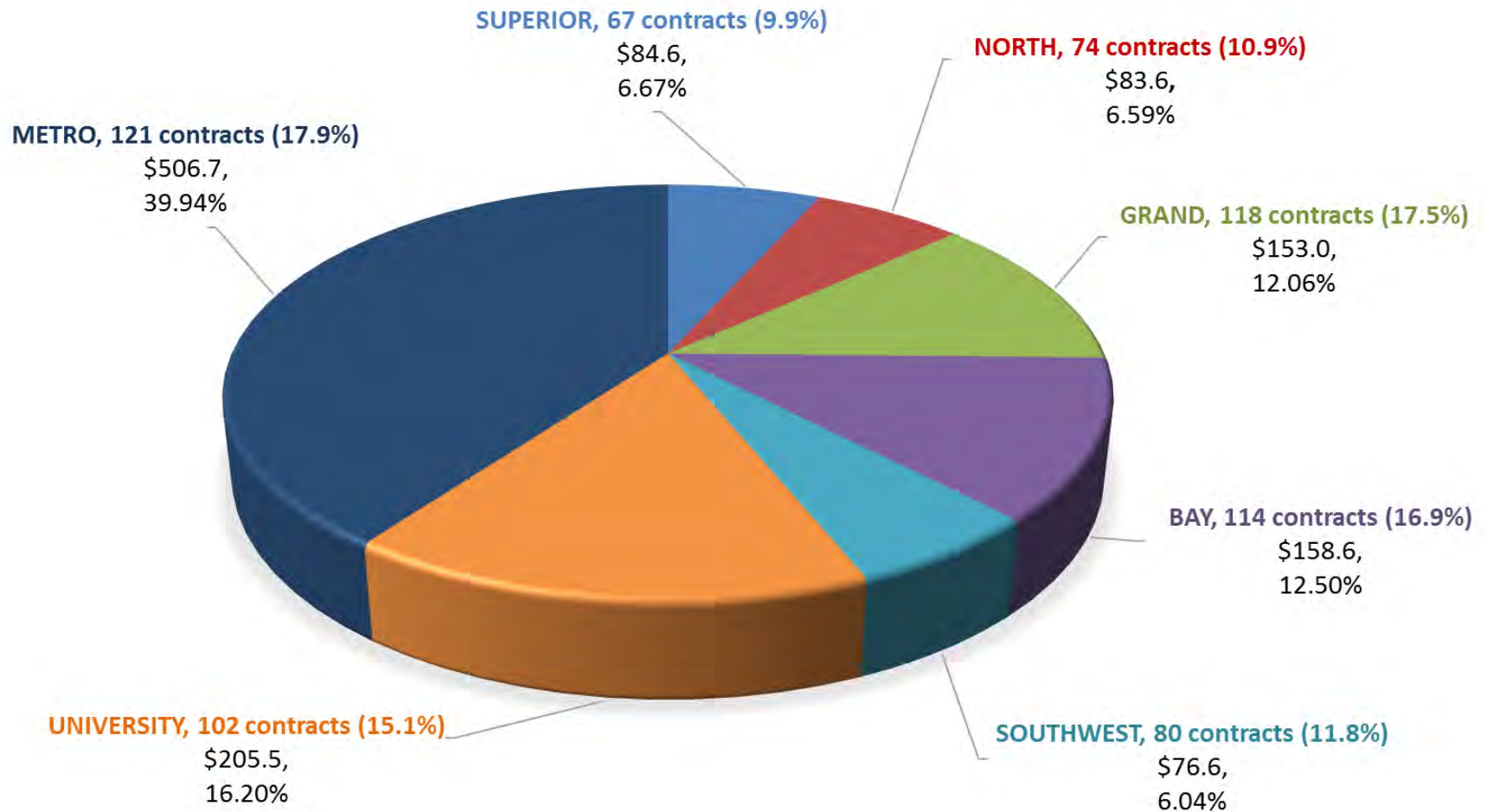
- ❑ State Trunkline and Local Area program projects are randomly selected from each bid letting to participate in an “unbalanced” bidding review
- ❑ State and **Local projects \geq \$5 million as the engineer estimate** are automatically chosen for review
- ❑ An “unbalanced” bid is classified as either materially or mathematically unbalanced within the pay items of a project as bid
 - ❖ A materially unbalanced bid, for example, would be considered pending correction of a plan quantity error
 - ❖ A mathematically unbalanced bid is more common. For example, a unit price bid as \$0.01

Fiscal Year 2017

- ❑ 679 State Trunkline and Local area projects were let with 242 or 35.6%, selected for review
- ❑ The 242 projects represented \$842.2 million in total low bid dollars
- ❑ All bids were rejected for one project of FY 2017 that resulted from materially unbalanced bidding

PROJECTS AWARDED by REGION – FY 2017

Number and Dollars (In million) of Projects Awarded



- For FY17, 676 projects were awarded with \$1.27 billion in total project dollars
- FY16 awarded a total of 749 projects with \$1.19 billion as the total project dollars

FY 2018 Project Projections

Effective: October 2017

Let Month	Number	Estimated Dollars
OCT	17	\$24.42
NOV	27	\$61.98
DEC	60	\$110.13
JAN	43	\$109.58
FEB	60	\$183.27
MAR	56	\$186.22
APR	23	\$45.95
MAY	23	\$84.32
JUN	11	\$93.61
JUL	5	\$2.95
AUG	3	\$2.26
SEP	6	\$13.01
Totals	334	\$917.70

- Project projections encompass State trunkline program area only
- Projects with a total estimated dollar of \$917.7 million are scheduled to be advertised during FY18
- Projected projects are classified under work groups of road, bridge, and traffic and safety

FY 2017 Contract Service Division

Accomplishments and Future Goals

- Prequalification applications are now being received via email
 - Form 1313 Construction Prequalification Application is required to be submitted to the prequalification mailbox
 - A new Form, 1313EZ Construction Prequalification Renewal Application, was created and initiated
 - Form 1313EZ is a shortened version of Form 1313 for the renewal of construction prequalification
 - ✓ Review is simplified
 - ✓ Quick turnaround time for approval
 - Construction contracts are electronically delivered to contractors

Goals for FY 2018

- Electronic signatures of construction contracts
 - Contracts will be electronically transferred to the prime contractor for electronic signature. MDOT will then electronically sign the contracts to initiate the start of a project