



# Engineering Estimate Accuracy (EEA) Annual Performance Measure Report



**Goal:**

The goal of **Engineering Estimate Accuracy** is to measure how close the Department's construction cost estimates are to the actual project costs by comparing the estimate to the bid price for the proposal and indicating whether the estimate is within 10 percent of the low bid.

**Target:**

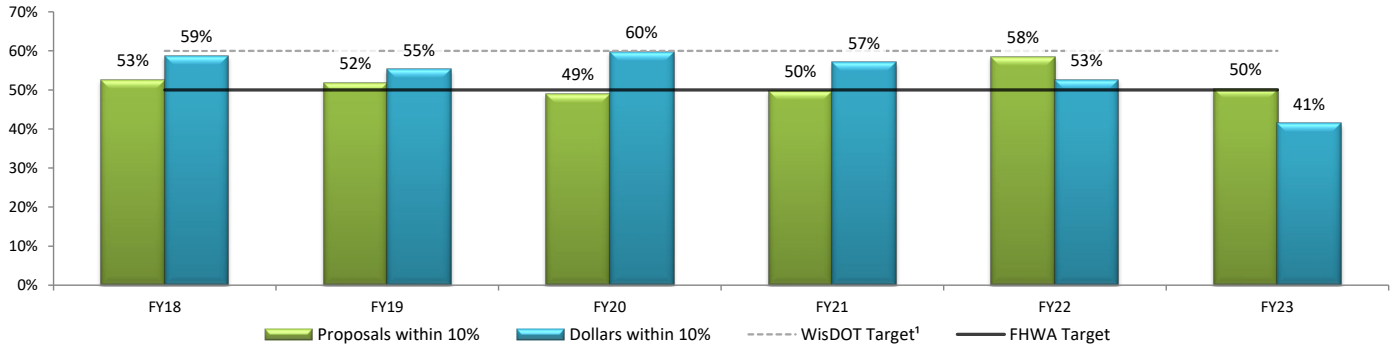
At least **50** percent of engineering estimates should be within 10 percent of the low bid price (Stewardship Agreement between FHWA and WisDOT).

As part of WisDOT's continued efforts to strive for continuous improvement, WisDOT set a new performance measure target in FY14 to **60** percent of engineering estimates be within 10 percent of the low bid price. Additionally, a new secondary performance measure band was created in FY14 for **75** percent of engineering estimates be within 15% of the low bid price.

Total Statewide # of Proposals: 1,921		# of Proposals within 10% of the Low Bid: 1,004					Report Date: 9/12/2023
		# of Proposals within 15% of the Low Bid: 1,336					
	FY18	FY19	FY20	FY21	FY22	FY23*	
<b>Total # of Proposals</b>	302	309	316	297	383	314	
<b># of Proposals within 10% of the Low Bid</b>	159	160	155	148	224	158	
<b>% Proposals within 10% of the Low Bid</b>	53%	52%	49%	50%	58%	50%	
<b># of Proposals within 15% of the Low Bid</b>	212	208	205	197	304	210	
<b>% Proposals within 15% of the Low Bid</b>	70%	67%	65%	66%	79%	67%	
<b>Total Statewide Bid on Proposals: \$8,092 M</b>		<b>Subtotal Dollars within 10% of the Low Bid:</b>			<b>\$4,348 M</b>		
		<b>Subtotal Dollars within 15% of the Low Bid:</b>			<b>\$5,689 M</b>		
<b>Total Dollars Spent</b>	\$1,379 M	\$1,342 M	\$1,137 M	\$1,298 M	\$1,424 M	\$1,512 M	
<b>Dollars within 10% of the Low Bid</b>	\$811 M	\$743 M	\$680 M	\$740 M	\$749 M	\$626 M	
<b>% of Dollars within 10% of the Low Bid</b>	59%	55%	60%	57%	53%	41%	
<b>Dollars within 15% of the Low Bid</b>	\$1,076 M	\$883 M	\$858 M	\$949 M	\$1,060 M	\$863 M	
<b>% of Dollars within 15% of the Low Bid</b>	78%	66%	75%	73%	74%	57%	

\* Data through Sep 2023 Bid Letting

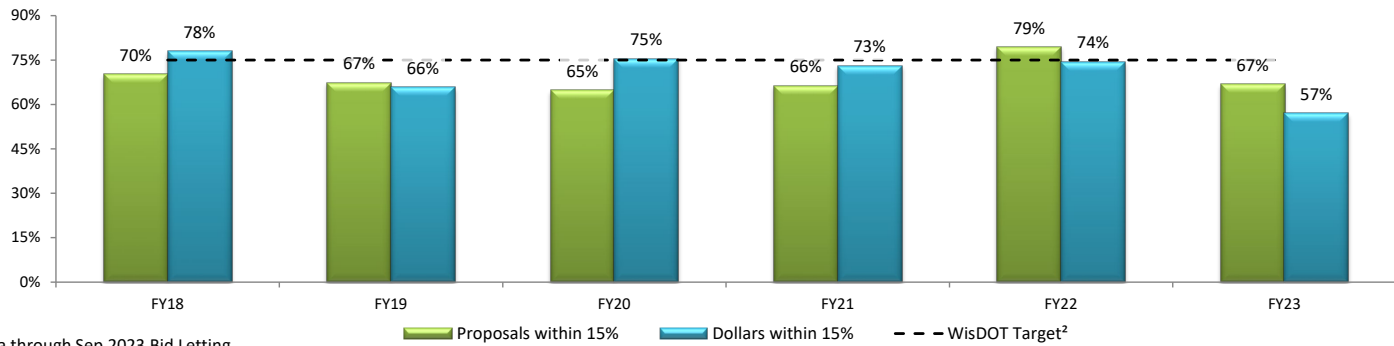
### Proposals within 10% of the Low Bid -By Fiscal Year -



\* Data through Sep 2023 Bid Letting

<sup>1</sup> The performance measure target was 50 percent for FY09-FY13. As part of WisDOT's continued efforts to strive for continuous improvement, the target was increased to 60 percent in FY14.

### % of Proposals within 15% of the Low Bid -By Fiscal Year -



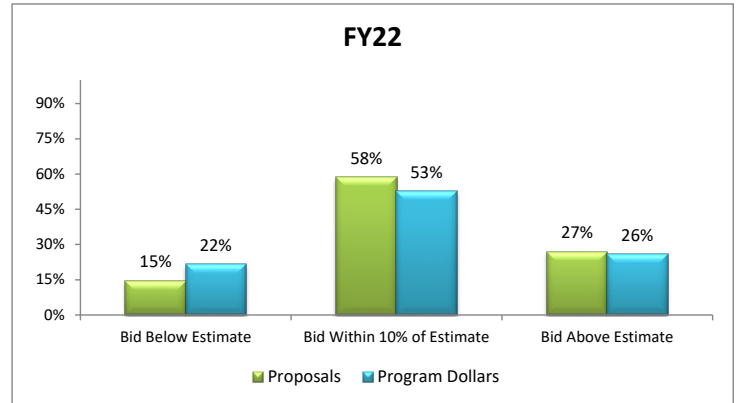
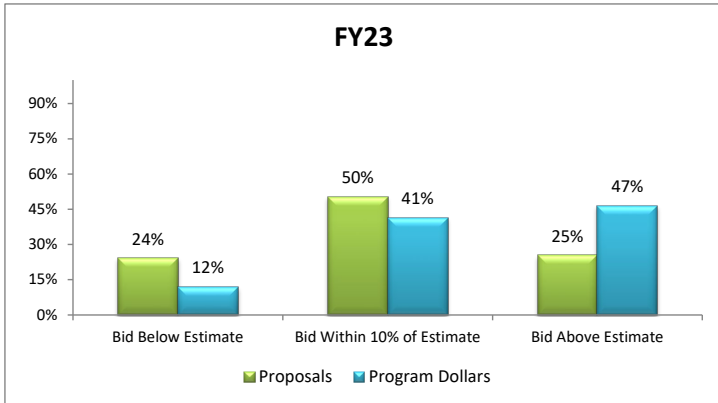
\* Data through Sep 2023 Bid Letting

<sup>2</sup> This new performance measure band was created in FY14 to track 75 percent of engineering estimates within 15 percent of the low bid. There is no target for fiscal years prior to FY14.

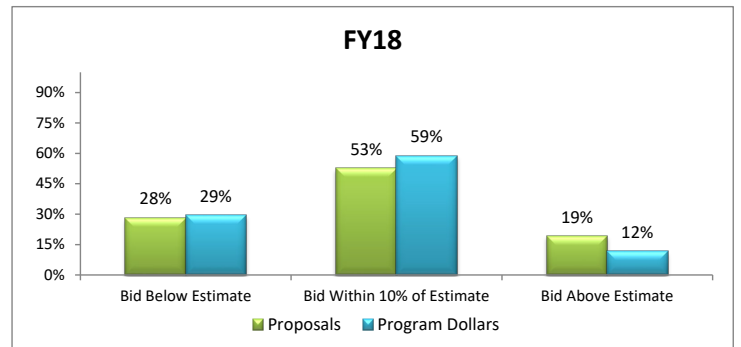
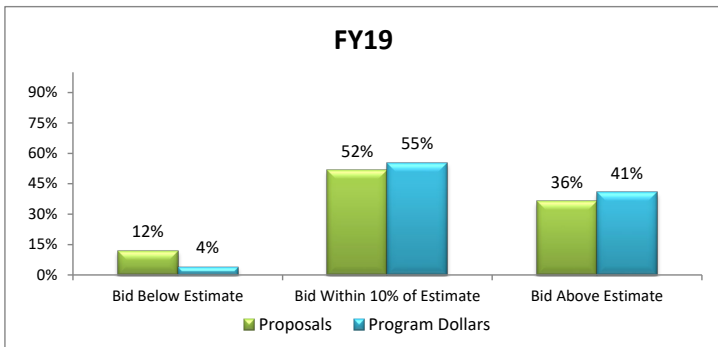
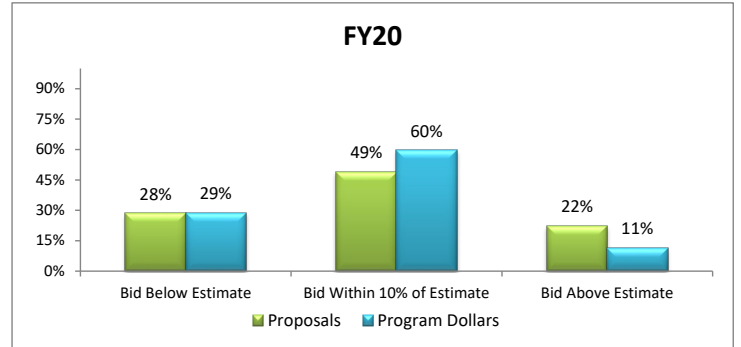
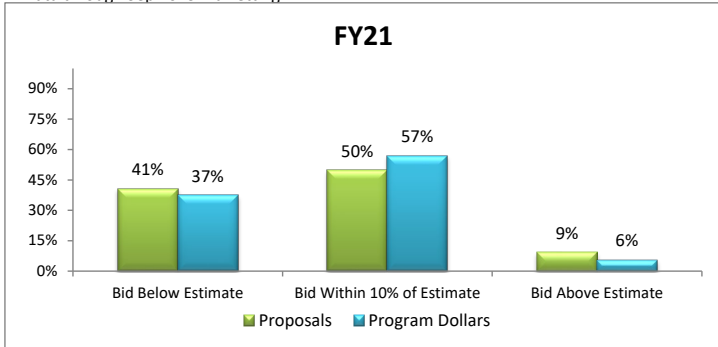
## Statewide Review Above and Below Estimate (FY18 - FY23\*)

	FY18	FY19	FY20	FY21	FY22	FY23*
<b>Total # of Proposals</b>	302	309	316	297	383	314
<b>% Proposals more than 10% below the Low Bid</b>	28%	12%	28%	41%	15%	24%
<b>% Proposals within 10% of the Low Bid</b>	53%	52%	49%	50%	58%	50%
<b>% Proposals more than 10% above the Low Bid</b>	19%	36%	22%	9%	27%	25%
<b>Total Dollars Spent</b>	\$1,379 M	\$1,342 M	\$1,137 M	\$1,298 M	\$1,424 M	\$1,512 M
<b>Dollars more than 10% below the Low Bid</b>	\$406 M	\$54 M	\$327 M	\$486 M	\$309 M	\$182 M
<b>Dollars within 10% of the Low Bid</b>	\$811 M	\$743 M	\$680 M	\$740 M	\$749 M	\$626 M
<b>Dollars more than 10% above the Low Bid</b>	\$163 M	\$545 M	\$131 M	\$72 M	\$367 M	\$703 M
<b>% Dollars more than 10% below the Low Bid</b>	29%	4%	29%	37%	22%	12%
<b>% Dollars within 10% of the Low Bid</b>	59%	55%	60%	57%	53%	41%
<b>% Dollars more than 10% above the Low Bid</b>	12%	41%	11%	6%	26%	47%

\* Data through Sep 2023 Bid Letting



\* Data through Sep 2023 Bid Letting





# Monthly Engineering Estimate Accuracy (EEA)

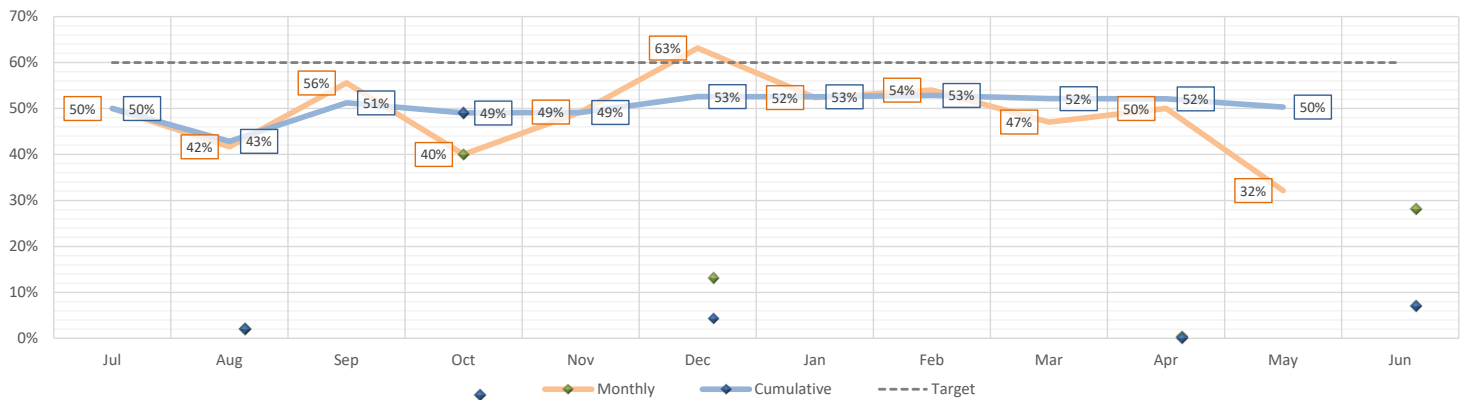
Report Date: 9/12/2023

## Statewide Monthly Estimate Accuracy

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
# of Proposals	2	12	27	10	65	38	42	50	34	6	28	
# of Proposals within 10% of the Low Bid	1	5	15	4	32	24	22	27	16	3	9	
% Proposals within 10% of the Low Bid	50%	42%	56%	40%	49%	63%	52%	54%	47%	50%	32%	
Cumulative # of Proposals	2	14	41	51	116	154	196	246	280	286	314	
Cumulative # of Proposals within 10% of the Low Bid	1	6	21	25	57	81	103	130	146	149	158	
Cumulative % Proposals within 10% of the Low Bid	50%	43%	51%	49%	49%	53%	53%	53%	52%	52%	50%	

Data through Sep 2023 Bid Letting

## % of Proposals within 10% of the Low Bid - By Month and Cumulative -

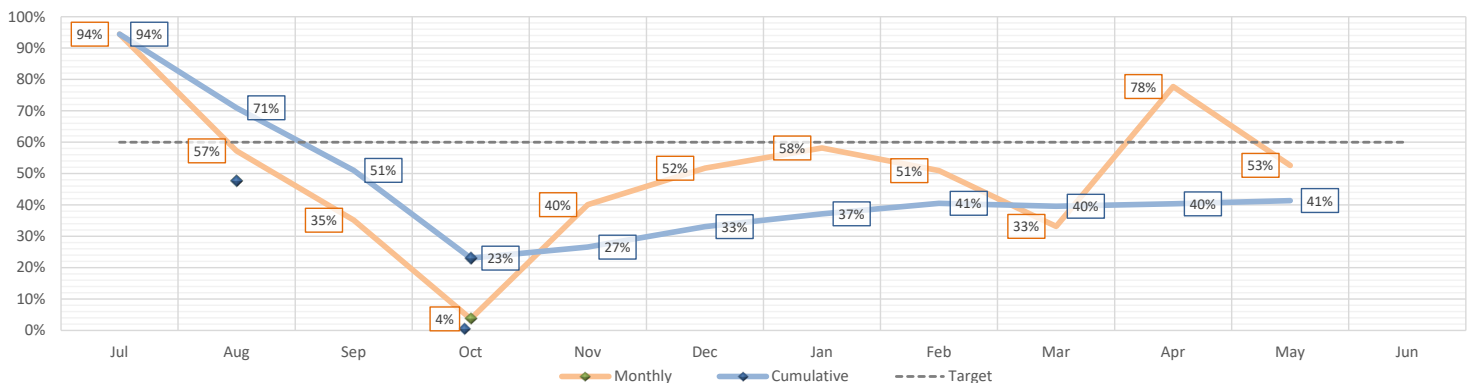


Data through Sep 2023 Bid Letting

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Dollars Spent on Proposals	29 M	50 M	100 M	260 M	114 M	195 M	145 M	288 M	172 M	27 M	131 M	
Dollars within 10% of the Low Bid	28 M	29 M	35 M	10 M	46 M	101 M	85 M	147 M	57 M	21 M	69 M	
% of Dollars within 10% of the Low Bid	94%	57%	35%	4%	40%	52%	58%	51%	33%	78%	53%	
Cumulative Dollars Spent for Proposals	29 M	80 M	180 M	440 M	554 M	748 M	894 M	1,181 M	1,353 M	1,381 M	1,512 M	
Cumulative Dollars within 10% of the Low Bid	28 M	57 M	92 M	101 M	147 M	248 M	332 M	479 M	536 M	557 M	626 M	
Cumulative % of Dollars within 10% of the Low Bid	94%	71%	51%	23%	27%	33%	37%	41%	40%	40%	41%	

Data through Sep 2023 Bid Letting

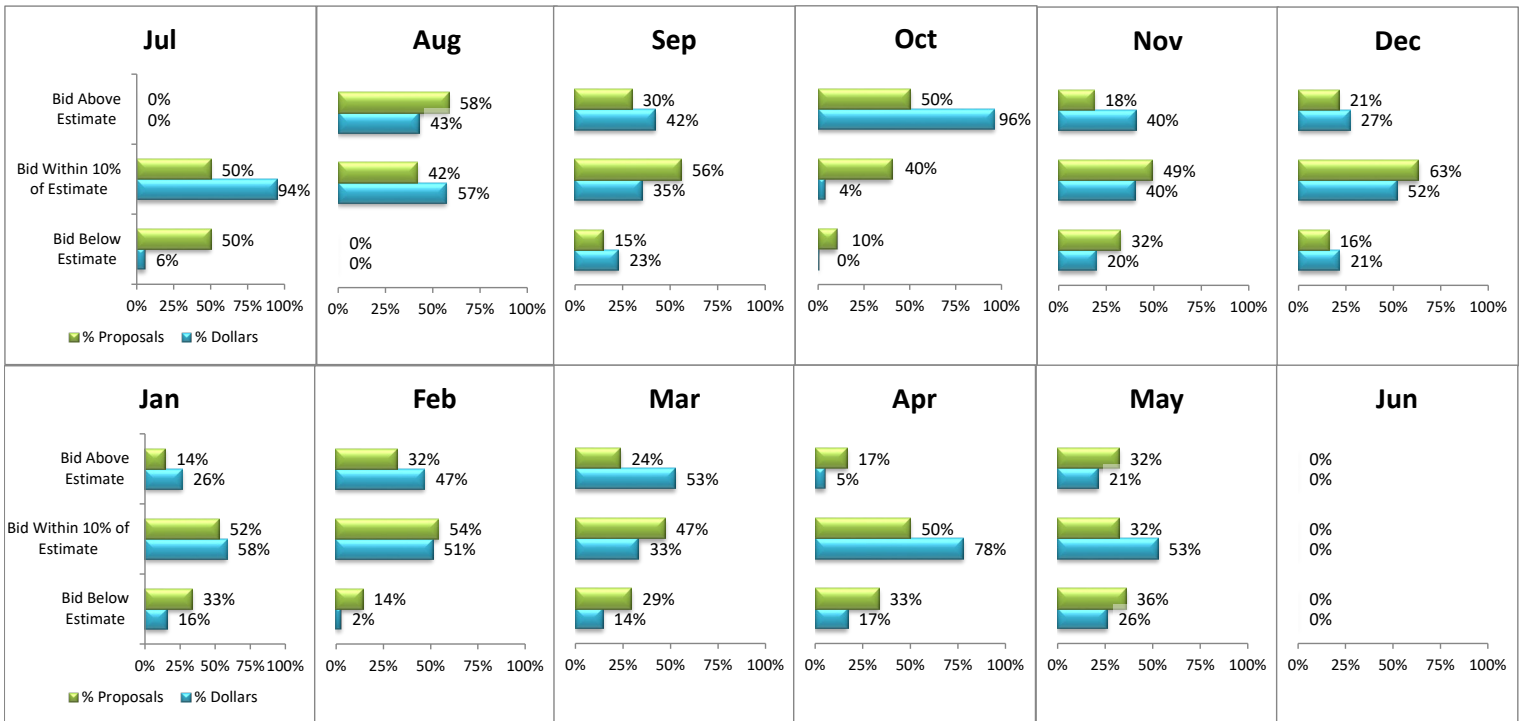
## % of Proposal Dollars within 10% of the Low Bid - By Month and Cumulative -



Data through Sep 2023 Bid Letting

### Statewide Review Above and Below Estimate (Monthly)

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>Total # of Proposals</b>	2	12	27	10	65	38	42	50	34	6	28	
<b># of Proposals more than 10% below the Low Bid</b>	1		4	1	21	6	14	7	10	2	10	
<b># of Proposals within 10% of the Low Bid</b>	1	5	15	4	32	24	22	27	16	3	9	
<b># of Proposals more than 10% above the Low Bid</b>		7	8	5	12	8	6	16	8	1	9	
<b>% Proposals more than 10% below the Low Bid</b>	50%	0%	15%	10%	32%	16%	33%	14%	29%	33%	36%	
<b>% Proposals within 10% of the Low Bid</b>	50%	42%	56%	40%	49%	63%	52%	54%	47%	50%	32%	
<b>% Proposals more than 10% above the Low Bid</b>	0%	58%	30%	50%	18%	21%	14%	32%	24%	17%	32%	
<b>Total Dollars Spent</b>	\$29 M	\$50 M	\$100 M	\$260 M	\$114 M	\$195 M	\$145 M	\$288 M	\$172 M	\$27 M	\$131 M	
<b>Dollars more than 10% below the Low Bid</b>	\$2 M		\$23 M	\$1 M	\$22 M	\$42 M	\$23 M	\$7 M	\$25 M	\$5 M	\$34 M	
<b>Dollars within 10% of the Low Bid</b>	\$28 M	\$29 M	\$35 M	\$10 M	\$46 M	\$101 M	\$85 M	\$147 M	\$57 M	\$21 M	\$69 M	
<b>Dollars more than 10% above the Low Bid</b>		\$22 M	\$42 M	\$249 M	\$46 M	\$52 M	\$38 M	\$134 M	\$90 M	\$1 M	\$28 M	
<b>% Dollars more than 10% below the Low Bid</b>	6%	0%	23%	0%	20%	21%	16%	2%	14%	17%	26%	
<b>% Dollars within 10% of the Low Bid</b>	94%	57%	35%	4%	40%	52%	58%	51%	33%	78%	53%	
<b>% Dollars more than 10% above the Low Bid</b>	0%	43%	42%	96%	40%	27%	26%	47%	53%	5%	21%	



### Percent Over (Under) by Month

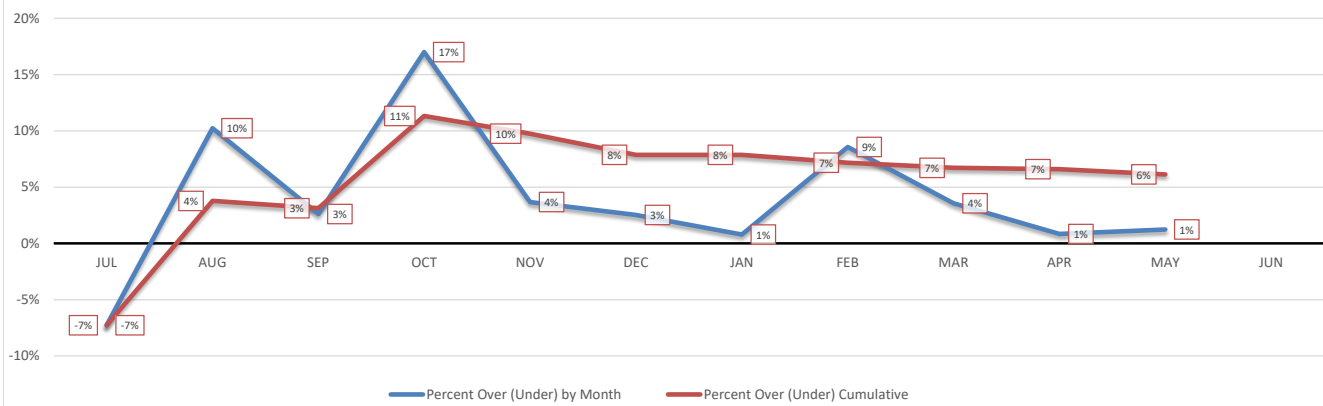
<b>Total FY23 # of Proposals:</b>	314					
<b>Month</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
<b>Total # of Proposals:</b>	2	12	27	10	65	38
<b>Total Estimated Amount</b>	\$ 31,591,001.27	\$ 45,175,327.53	\$ 97,586,898.01	\$ 215,705,124.79	\$ 109,648,315.35	\$ 189,804,741.95
<b>Total Bid Amount</b>	\$ 29,448,078.15	\$ 50,325,135.04	\$ 100,200,005.48	\$ 259,875,978.82	\$ 113,832,835.86	\$ 194,722,170.69
<b>% Over(Under)</b> = ((BidAmt-EstAmt)/BidAmt)*100	-7%	10%	3%	17%	4%	3%
<b>Month</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>
<b>Total # of Proposals:</b>	42	50	34	6	28	
<b>Total Estimated Amount</b>	\$ 144,200,616.57	\$ 263,094,284.14	\$ 165,704,134.67	\$ 27,176,260.21	\$ 129,298,149.40	
<b>Total Bid Amount</b>	\$ 145,338,865.87	\$ 287,746,613.82	\$ 171,827,995.19	\$ 27,403,700.14	\$ 130,917,610.33	
<b>% Over(Under)</b> = ((BidAmt-EstAmt)/BidAmt)*100	1%	9%	4%	1%	1%	

NOTE: Totals include rejected bids

### Percent Over (Under) Cummulative

<b>Month</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
<b>Total # of Proposals:</b>	2	14	41	51	116	154
<b>Total Estimated Amount</b>	\$ 31,591,001.27	\$ 76,766,328.80	\$ 174,353,226.81	\$ 390,058,351.60	\$ 499,706,666.95	\$ 689,511,408.90
<b>Total Bid Amount</b>	\$ 29,448,078.15	\$ 79,773,213.19	\$ 179,973,218.67	\$ 439,849,197.49	\$ 553,682,033.35	\$ 748,404,204.04
<b>% Over(Under)</b> = ((BidAmt-EstAmt)/BidAmt)*100	-7%	4%	3%	11%	10%	8%
<b>Month</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>
<b>Total # of Proposals:</b>	196	246	280	286	314	
<b>Total Estimated Amount</b>	\$ 689,511,408.90	\$ 1,096,806,309.61	\$ 1,262,510,444.28	\$ 1,289,686,704.49	\$ 1,418,984,853.89	
<b>Total Bid Amount</b>	\$ 748,404,204.04	\$ 1,181,489,683.73	\$ 1,353,317,678.92	\$ 1,380,721,379.06	\$ 1,511,638,989.39	
<b>% Over(Under)</b> = ((BidAmt-EstAmt)/BidAmt)*100	8%	7%	7%	7%	6%	

NOTE: Totals include rejected bids



## Regional Summary (FY18 - FY23\*)

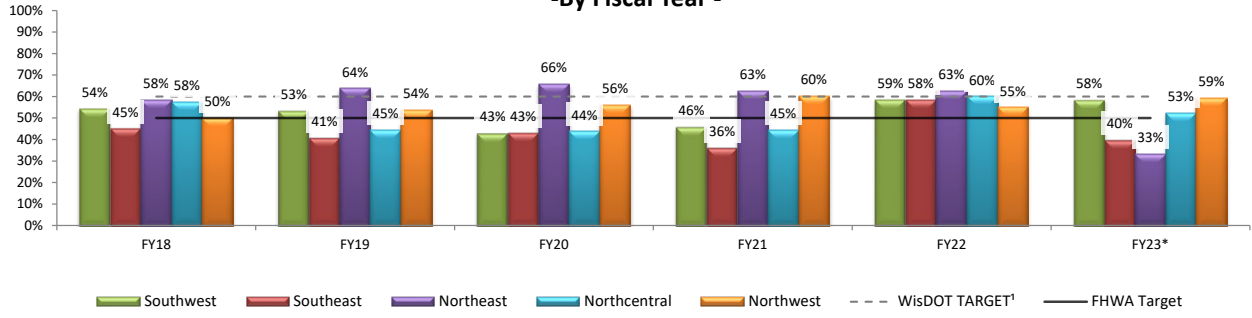
Total Statewide # of Proposals: 1,915

# of Proposals within 10% of the Low Bid: 999

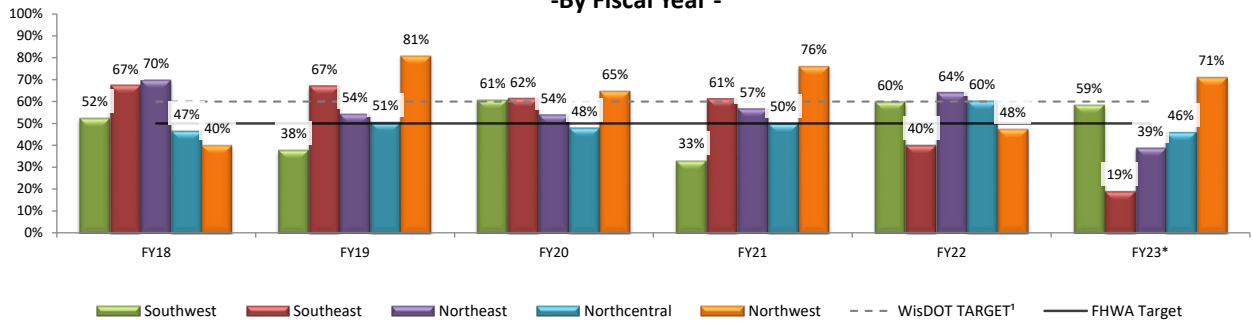
# of Proposals within 15% of the Low Bid: 1,330

		FY18	FY19	FY20	FY21	FY22	FY23*
<b>Total # of Proposals</b>		<b>301</b>	<b>308</b>	<b>314</b>	<b>296</b>	<b>383</b>	<b>313</b>
SW	Total # of Proposals	79	88	79	85	111	89
	# of Proposals within 10% of the Low Bid	43	47	34	39	65	52
	% Proposals within 10% of the Low Bid	54%	53%	43%	46%	59%	58%
	# of Proposals within 15% of the Low Bid	60	59	49	54	92	65
	% Proposals within 15% of the Low Bid	76%	67%	62%	64%	83%	73%
SE	Total # of Proposals	62	54	65	47	60	73
	# of Proposals within 10% of the Low Bid	28	22	28	17	35	29
	% Proposals within 10% of the Low Bid	45%	41%	43%	36%	58%	40%
	# of Proposals within 15% of the Low Bid	39	29	40	23	43	40
	% Proposals within 15% of the Low Bid	63%	54%	62%	49%	72%	55%
NE	Total # of Proposals	53	58	38	40	51	42
	# of Proposals within 10% of the Low Bid	31	37	25	25	32	14
	% Proposals within 10% of the Low Bid	58%	64%	66%	63%	63%	33%
	# of Proposals within 15% of the Low Bid	41	46	27	30	40	24
	% Proposals within 15% of the Low Bid	77%	79%	71%	75%	78%	57%
NC	Total # of Proposals	33	56	57	56	70	40
	# of Proposals within 10% of the Low Bid	19	25	25	25	42	21
	% Proposals within 10% of the Low Bid	58%	45%	44%	45%	60%	53%
	# of Proposals within 15% of the Low Bid	24	33	34	36	59	30
	% Proposals within 15% of the Low Bid	73%	59%	60%	64%	84%	75%
NW	Total # of Proposals	74	52	75	68	91	69
	# of Proposals within 10% of the Low Bid	37	28	42	41	50	41
	% Proposals within 10% of the Low Bid	50%	54%	56%	60%	55%	59%
	# of Proposals within 15% of the Low Bid	47	40	53	53	70	50
	% Proposals within 15% of the Low Bid	64%	77%	71%	78%	77%	72%
<b>Total Statewide Bid on Proposals: \$18,832 M</b>				<b>Subtotal Dollars within 10% of the Low Bid: \$9,558 M</b>		<b>Subtotal Dollars within 15% of the Low Bid: \$12,737 M</b>	
SW	Total Dollars Spent	\$420 M	\$508 M	\$424 M	\$233 M	\$357 M	\$408 M
	Dollars within 10% of the Low Bid	\$220 M	\$193 M	\$258 M	\$78 M	\$214 M	\$239 M
	% of Dollars within 10% of the Low Bid	52%	38%	61%	33%	60%	59%
	Dollars within 15% of the Low Bid	\$329 M	\$263 M	\$329 M	\$108 M	\$304 M	\$265 M
	% of Dollars within 15% of the Low Bid	79%	52%	78%	46%	85%	65%
SE	Total Dollars Spent	\$548 M	\$417 M	\$356 M	\$507 M	\$399 M	\$631 M
	Dollars within 10% of the Low Bid	\$370 M	\$280 M	\$219 M	\$311 M	\$160 M	\$122 M
	% of Dollars within 10% of the Low Bid	67%	67%	62%	61%	40%	19%
	Dollars within 15% of the Low Bid	\$424 M	\$296 M	\$267 M	\$345 M	\$238 M	\$225 M
	% of Dollars within 15% of the Low Bid	77%	71%	75%	68%	60%	36%
NE	Total Dollars Spent	\$162 M	\$169 M	\$128 M	\$227 M	\$189 M	\$126 M
	Dollars within 10% of the Low Bid	\$113 M	\$92 M	\$69 M	\$129 M	\$122 M	\$49 M
	% of Dollars within 10% of the Low Bid	70%	54%	54%	57%	64%	39%
	Dollars within 15% of the Low Bid	\$150 M	\$112 M	\$101 M	\$209 M	\$148 M	\$94 M
	% of Dollars within 15% of the Low Bid	93%	66%	79%	92%	78%	74%
NC	Total Dollars Spent	\$107 M	\$79 M	\$92 M	\$117 M	\$190 M	\$123 M
	Dollars within 10% of the Low Bid	\$50 M	\$40 M	\$44 M	\$59 M	\$115 M	\$57 M
	% of Dollars within 10% of the Low Bid	47%	51%	48%	50%	60%	46%
	Dollars within 15% of the Low Bid	\$85 M	\$51 M	\$57 M	\$89 M	\$155 M	\$85 M
	% of Dollars within 15% of the Low Bid	80%	65%	62%	76%	82%	69%
NW	Total Dollars Spent	\$143 M	\$167 M	\$137 M	\$213 M	\$289 M	\$222 M
	Dollars within 10% of the Low Bid	\$58 M	\$136 M	\$89 M	\$162 M	\$138 M	\$159 M
	% of Dollars within 10% of the Low Bid	40%	81%	65%	76%	48%	71%
	Dollars within 15% of the Low Bid	\$87 M	\$160 M	\$103 M	\$195 M	\$214 M	\$194 M
	% of Dollars within 15% of the Low Bid	61%	96%	76%	92%	74%	87%

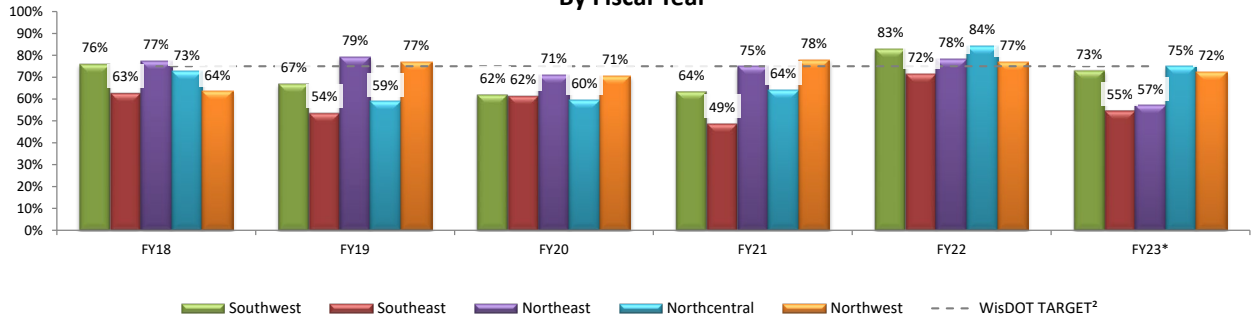
### Regional Proposals within 10% of the Low Bid -By Fiscal Year -



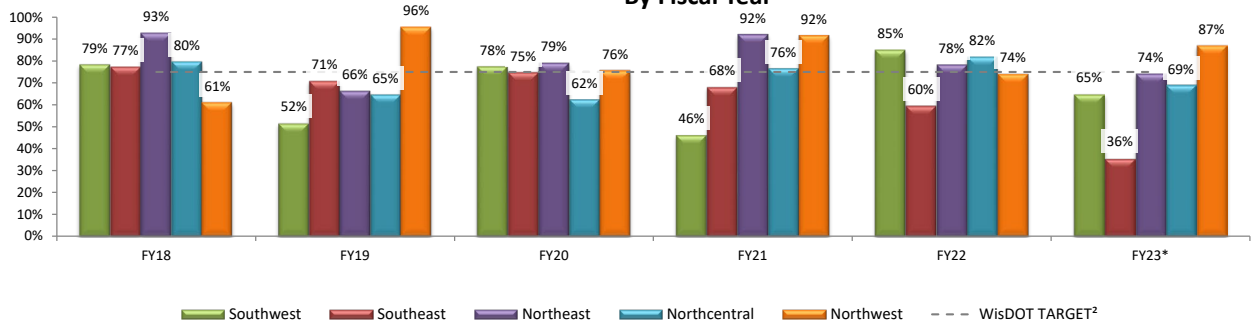
### Regional Dollars within 10% of the Low Bid -By Fiscal Year -



### Regional Proposals within 15% of the Low Bid -By Fiscal Year -



### Regional Dollars within 15% of the Low Bid -By Fiscal Year -





# Monthly Engineering Estimate Accuracy (EEA)

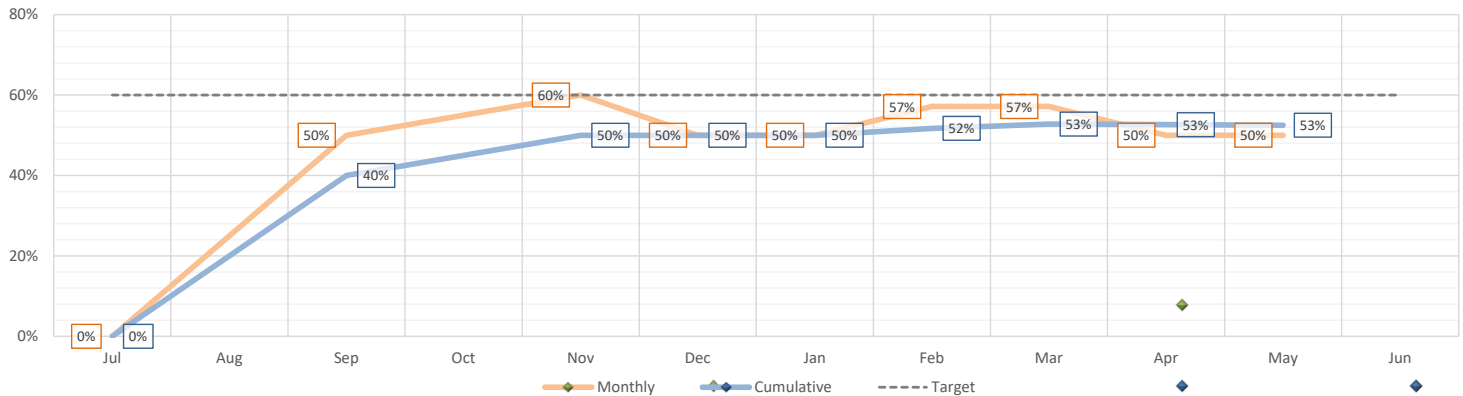
Report Date: 9/12/2023

## North Central Monthly Estimate Accuracy

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
# of Let Proposals	1		4		5	6	6	7	7	2	2	
# of Proposals within 10% of the Low Bid	0		2		3	3	3	4	4	1	1	
% Proposals within 10% of the Low Bid	0%		50%		60%	50%	50%	57%	57%	50%	50%	
Cumulative # of Let Proposals	1		5		10	16	22	29	36	38	40	
Cumulative # of Proposals within 10% of the Low Bid	0		2		5	8	11	15	19	20	21	
Cumulative % Proposals within 10% of the Low Bid	0%		40%		50%	50%	50%	52%	53%	53%	53%	

Data through Sep 2023 Bid Letting

### % of Proposals within 10% of the Low Bid - By Month and Cumulative -

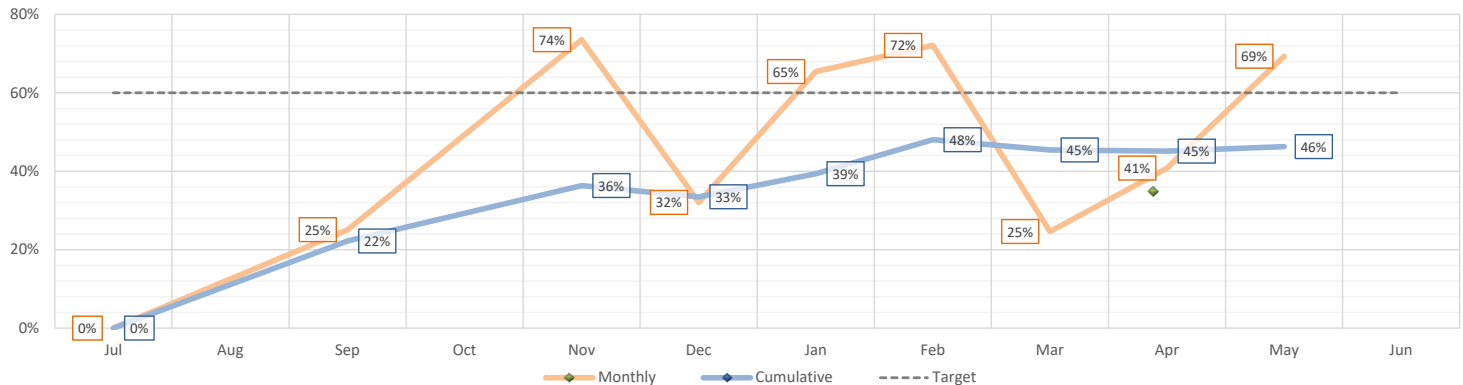


Data through Sep 2023 Bid Letting

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Dollars Spent on Proposals	\$2 M		\$13 M		\$5 M	\$39 M	\$13 M	\$26 M	\$12 M	\$7 M	\$6 M	
Dollars within 10% of the Low Bid	\$0 M		\$3 M		\$4 M	\$12 M	\$9 M	\$19 M	\$3 M	\$3 M	\$4 M	
% of Dollars within 10% of the Low Bid	0%		25%		74%	32%	65%	72%	25%	41%	69%	
Cumulative Dollars Let for Proposals	\$2 M		\$14 M		\$20 M	\$59 M	\$72 M	\$98 M	\$110 M	\$117 M	\$123 M	
Cumulative Dollars within 10% of the Low Bid	\$0 M		\$3 M		\$7 M	\$20 M	\$28 M	\$47 M	\$50 M	\$53 M	\$57 M	
Cumulative % of Dollars within 10% of the Low Bid	0%		22%		36%	33%	39%	48%	45%	45%	46%	

Data through Sep 2023 Bid Letting

### % of Proposal Dollars within 10% of the Low Bid - By Month and Cumulative -

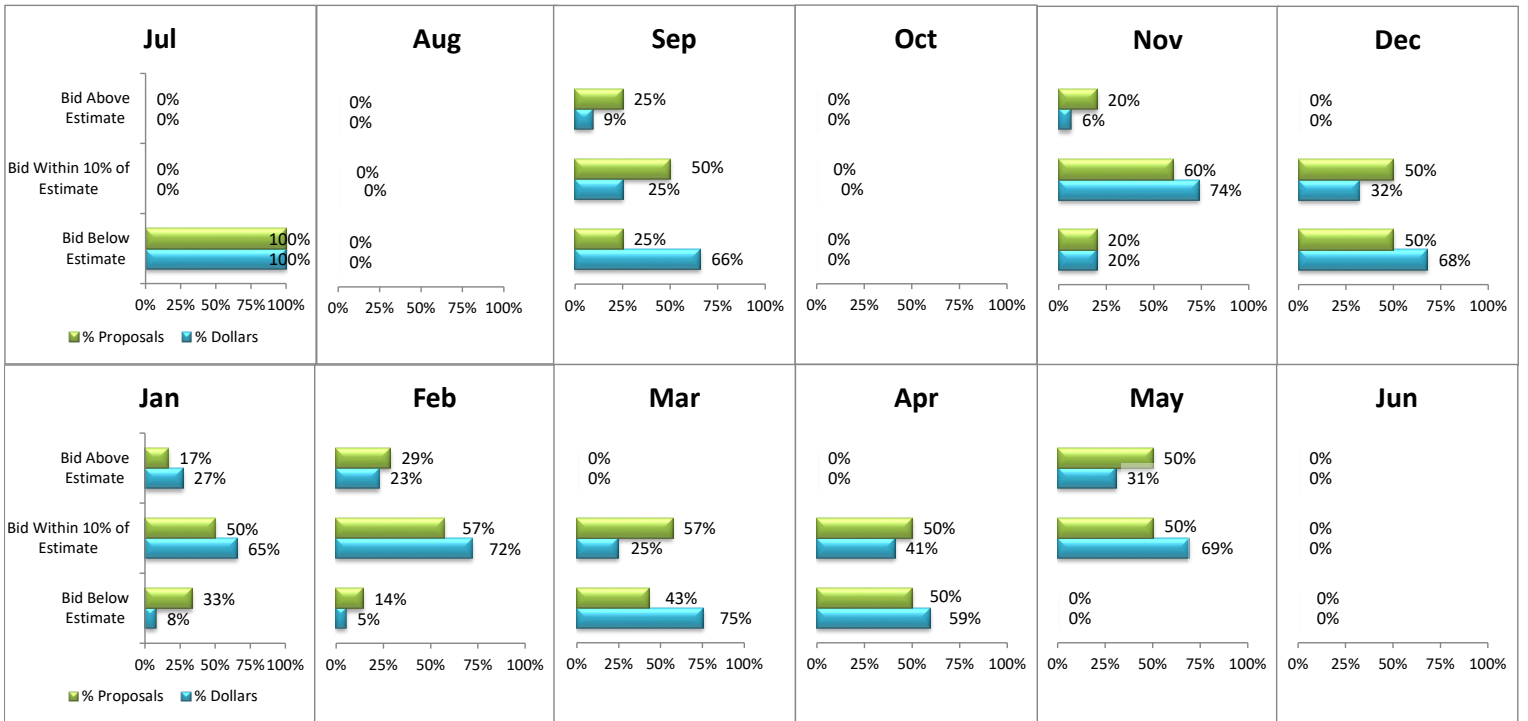


Data through Sep 2023 Bid Letting



### North Central Review Above and Below Estimate (Monthly)

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>Total # of Proposals</b>	1		4		5	6	6	7	7	2	2	
<b># of Proposals more than 10% below the Low Bid</b>	1		1		1	3	2	1	3	1	0	
<b># of Proposals within 10% of the Low Bid</b>	0		2		3	3	3	4	4	1	1	
<b># of Proposals more than 10% above the Low Bid</b>	0		1		1	0	1	2	0	0	1	
<b>% Proposals more than 10% below the Low Bid</b>	100%		25%		20%	50%	33%	14%	43%	50%	0%	
<b>% Proposals within 10% of the Low Bid</b>	0%		50%		60%	50%	50%	57%	57%	50%	50%	
<b>% Proposals more than 10% above the Low Bid</b>	0%		25%		20%	0%	17%	29%	0%	0%	50%	
<b>Total Dollars Spent</b>	\$2 M		\$13 M		\$5 M	\$39 M	\$13 M	\$26 M	\$12 M	\$7 M	\$6 M	
<b>Dollars more than 10% below the Low Bid</b>	\$2 M		\$8 M		\$1 M	\$26 M	\$1 M	\$1 M	\$9 M	\$4 M	\$0 M	
<b>Dollars within 10% of the Low Bid</b>	\$0 M		\$3 M		\$4 M	\$12 M	\$9 M	\$19 M	\$3 M	\$3 M	\$4 M	
<b>Dollars more than 10% above the Low Bid</b>	\$0 M		\$1 M		\$0 M	\$0 M	\$4 M	\$6 M	\$0 M	\$0 M	\$2 M	
<b>% Dollars more than 10% below the Low Bid</b>	100%		66%		20%	68%	8%	5%	75%	59%	0%	
<b>% Dollars within 10% of the Low Bid</b>	0%		25%		74%	32%	65%	72%	25%	41%	69%	
<b>% Dollars more than 10% above the Low Bid</b>	0%		9%		6%	0%	27%	23%	0%	0%	31%	





# Monthly Engineering Estimate Accuracy (EEA)

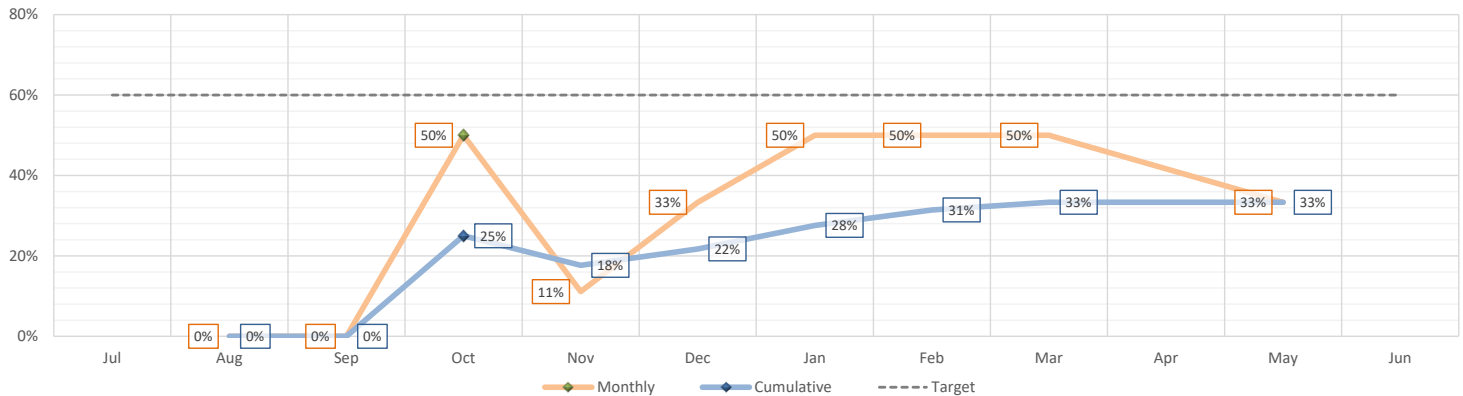
Report Date: 9/12/2023

## Northeast Monthly Estimate Accuracy

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
# of Let Proposals		1	3	4	9	6	6	6	4		3	
# of Proposals within 10% of the Low Bid		0	0	2	1	2	3	3	2		1	
% Proposals within 10% of the Low Bid		0%	0%	50%	11%	33%	50%	50%	50%		33%	
Cumulative # of Let Proposals		1	4	8	17	23	29	35	39		42	
Cumulative # of Proposals within 10% of the Low Bid		0	0	2	3	5	8	11	13		14	
Cumulative % Proposals within 10% of the Low Bid		0%	0%	25%	18%	22%	28%	31%	33%		33%	

Data through Sep 2023 Bid Letting

### % of Proposals within 10% of the Low Bid - By Month and Cumulative -

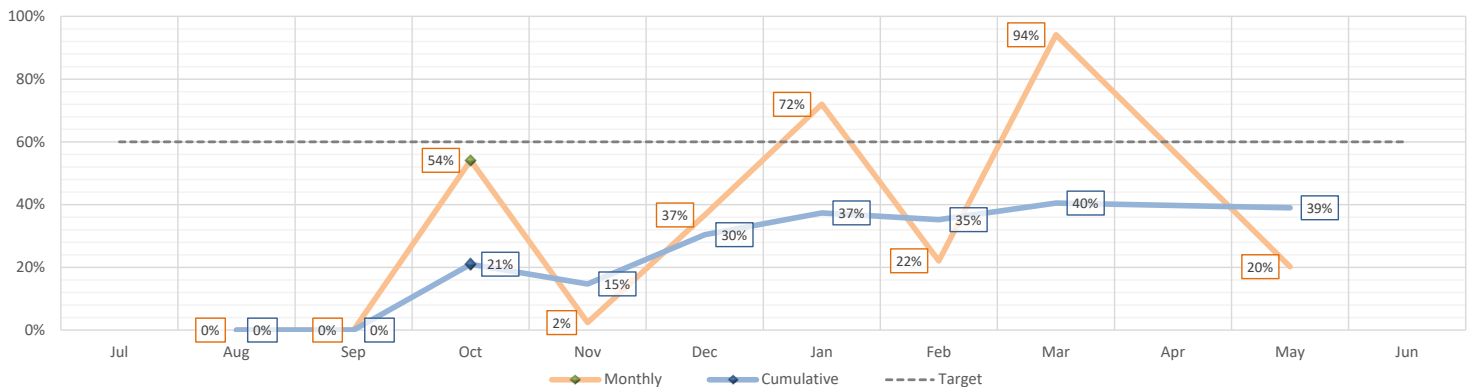


Data through Sep 2023 Bid Letting

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Dollars Spent on Proposals		\$1 M	\$7 M	\$6 M	\$7 M	\$54 M	\$15 M	\$15 M	\$10 M		\$9 M	
Dollars within 10% of the Low Bid		\$0 M	\$0 M	\$3 M	\$0 M	\$20 M	\$11 M	\$3 M	\$10 M		\$2 M	
% of Dollars within 10% of the Low Bid		0%	0%	54%	2%	37%	72%	22%	94%		20%	
Cumulative Dollars Let for Proposals		\$1 M	\$9 M	\$14 M	\$22 M	\$76 M	\$91 M	\$106 M	\$117 M		\$126 M	
Cumulative Dollars within 10% of the Low Bid		\$0 M	\$0 M	\$3 M	\$3 M	\$23 M	\$34 M	\$37 M	\$47 M		\$49 M	
Cumulative % of Dollars within 10% of the Low Bid		0%	0%	21%	15%	30%	37%	35%	40%		39%	

Data through Sep 2023 Bid Letting

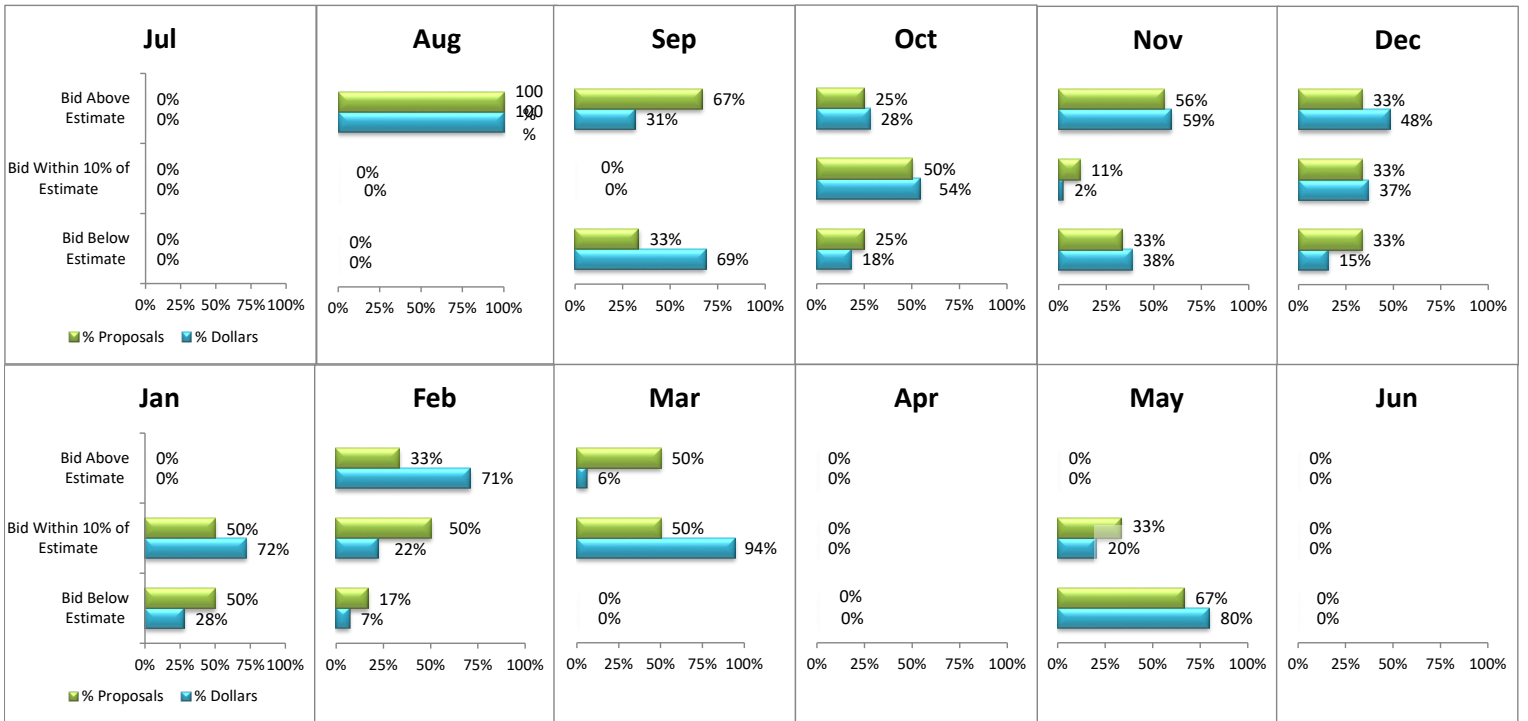
### % of Proposal Dollars within 10% of the Low Bid - By Month and Cumulative -



Data through Sep 2023 Bid Letting

### Northeast Review Above and Below Estimate (Monthly)

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>Total # of Proposals</b>		1	3	4	9	6	6	6	4		3	
<b># of Proposals more than 10% below the Low Bid</b>		0	1	1	3	2	3	1	0		2	
<b># of Proposals within 10% of the Low Bid</b>		0	0	2	1	2	3	3	2		1	
<b># of Proposals more than 10% above the Low Bid</b>		1	2	1	5	2	0	2	2		0	
<b>% Proposals more than 10% below the Low Bid</b>		0%	33%	25%	33%	33%	50%	17%	0%		67%	
<b>% Proposals within 10% of the Low Bid</b>		0%	0%	50%	11%	33%	50%	50%	50%		33%	
<b>% Proposals more than 10% above the Low Bid</b>		100%	67%	25%	56%	33%	0%	33%	50%		0%	
<b>Total Dollars Spent</b>		\$1 M	\$7 M	\$6 M	\$7 M	\$54 M	\$15 M	\$15 M	\$10 M		\$9 M	
<b>Dollars more than 10% below the Low Bid</b>		\$0 M	\$5 M	\$1 M	\$3 M	\$8 M	\$4 M	\$1 M	\$0 M		\$7 M	
<b>Dollars within 10% of the Low Bid</b>		\$0 M	\$0 M	\$3 M	\$0 M	\$20 M	\$11 M	\$3 M	\$10 M		\$2 M	
<b>Dollars more than 10% above the Low Bid</b>		\$1 M	\$2 M	\$2 M	\$4 M	\$26 M	\$0 M	\$11 M	\$1 M		\$0 M	
<b>% Dollars more than 10% below the Low Bid</b>		0%	69%	18%	38%	15%	28%	7%	0%		80%	
<b>% Dollars within 10% of the Low Bid</b>		0%	0%	54%	2%	37%	72%	22%	94%		20%	
<b>% Dollars more than 10% above the Low Bid</b>		100%	31%	28%	59%	48%	0%	71%	6%		0%	





# Monthly Engineering Estimate Accuracy (EEA)

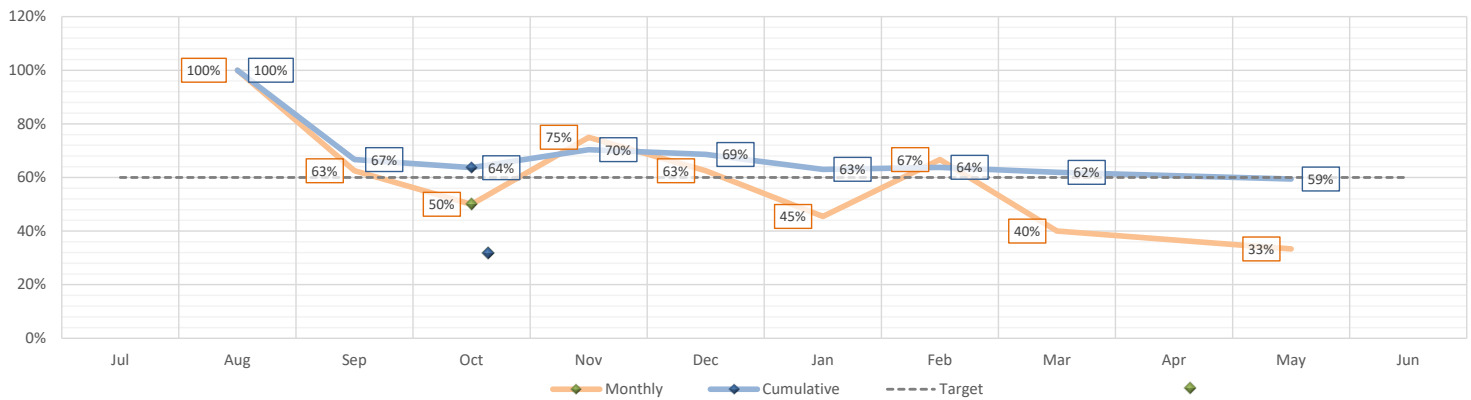
Report Date: 9/12/2023

## Northwest Monthly Estimate Accuracy

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
# of Let Proposals		1	8	2	16	8	11	12	5		6	
# of Proposals within 10% of the Low Bid		1	5	1	12	5	5	8	2		2	
% Proposals within 10% of the Low Bid		100%	63%	50%	75%	63%	45%	67%	40%		33%	
Cumulative # of Let Proposals		1	9	11	27	35	46	58	63		69	
Cumulative # of Proposals within 10% of the Low Bid		1	6	7	19	24	29	37	39		41	
Cumulative % Proposals within 10% of the Low Bid		100%	67%	64%	70%	69%	63%	64%	62%		59%	

Data through Sep 2023 Bid Letting

### % of Proposals within 10% of the Low Bid - By Month and Cumulative -

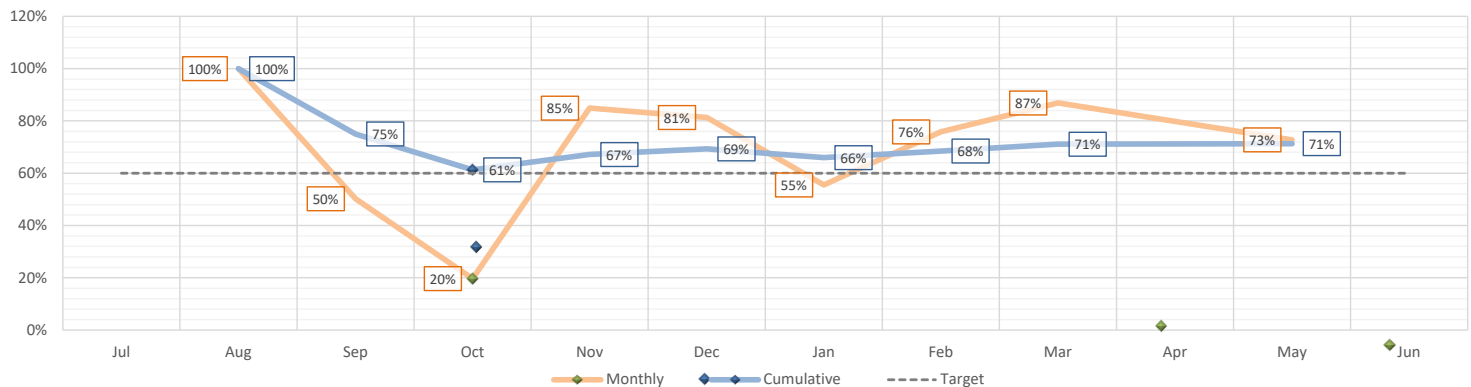


Data through Sep 2023 Bid Letting

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Dollars Spent on Proposals		\$22 M	\$22 M	\$15 M	\$19 M	\$14 M	\$30 M	\$42 M	\$27 M		\$31 M	
Dollars within 10% of the Low Bid		\$22 M	\$11 M	\$3 M	\$16 M	\$11 M	\$16 M	\$32 M	\$23 M		\$23 M	
% of Dollars within 10% of the Low Bid		100%	50%	20%	85%	81%	55%	76%	87%		73%	
Cumulative Dollars Let for Proposals		\$22 M	\$44 M	\$59 M	\$78 M	\$92 M	\$122 M	\$164 M	\$191 M		\$222 M	
Cumulative Dollars within 10% of the Low Bid		\$22 M	\$33 M	\$36 M	\$52 M	\$64 M	\$80 M	\$112 M	\$136 M		\$159 M	
Cumulative % of Dollars within 10% of the Low Bid		100%	75%	61%	67%	69%	66%	68%	71%		71%	

Data through Sep 2023 Bid Letting

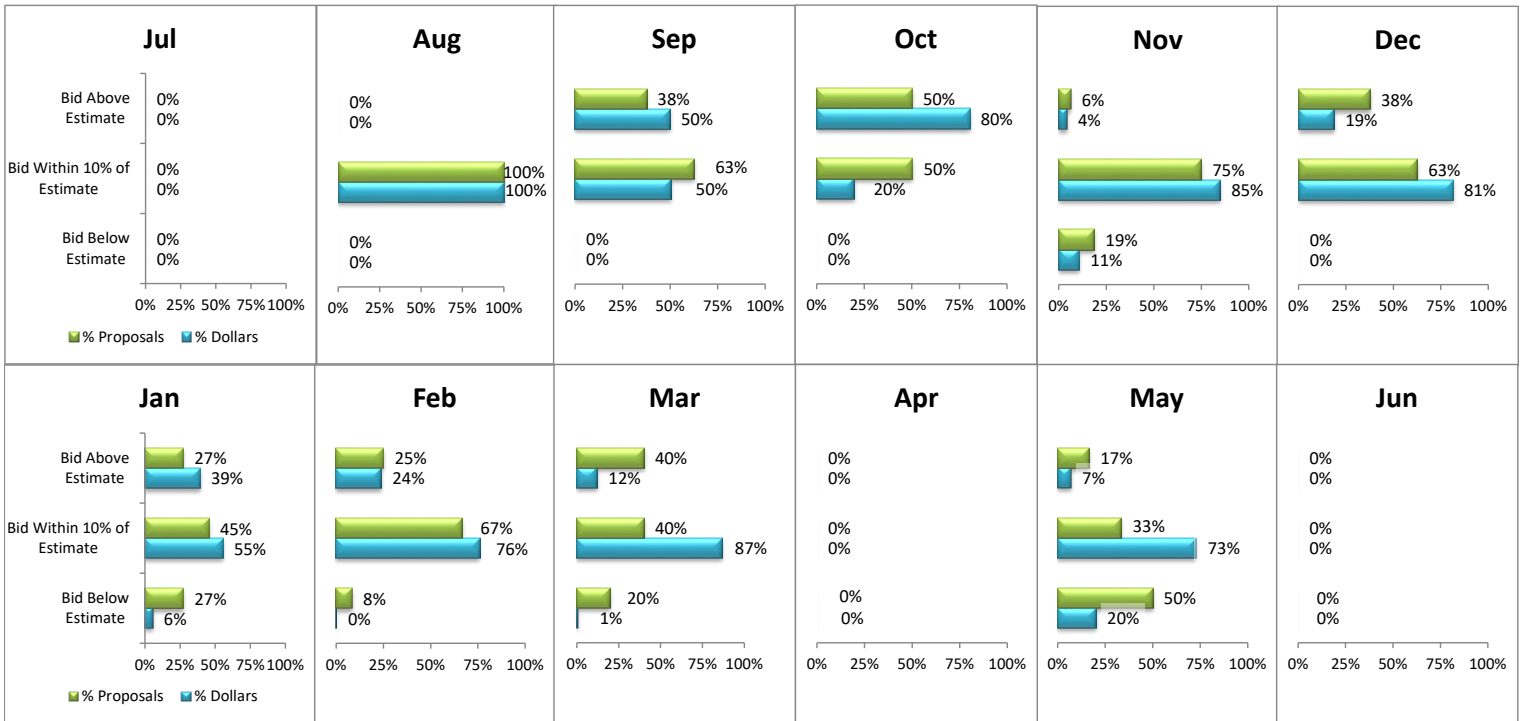
### % of Proposal Dollars within 10% of the Low Bid - By Month and Cumulative -



Data through Sep 2023 Bid Letting

### Northwest Review Above and Below Estimate (Monthly)

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>Total # of Proposals</b>		1	8	2	16	8	11	12	5		6	
<b># of Proposals more than 10% below the Low Bid</b>		0	0	0	3	0	3	1	1		3	
<b># of Proposals within 10% of the Low Bid</b>		1	5	1	12	5	5	8	2		2	
<b># of Proposals more than 10% above the Low Bid</b>		0	3	1	1	3	3	3	2		1	
<b>% Proposals more than 10% below the Low Bid</b>		0%	0%	0%	19%	0%	27%	8%	20%		50%	
<b>% Proposals within 10% of the Low Bid</b>		100%	63%	50%	75%	63%	45%	67%	40%		33%	
<b>% Proposals more than 10% above the Low Bid</b>		0%	38%	50%	6%	38%	27%	25%	40%		17%	
<b>Total Dollars Spent</b>		\$22 M	\$22 M	\$15 M	\$19 M	\$14 M	\$30 M	\$42 M	\$27 M		\$31 M	
<b>Dollars more than 10% below the Low Bid</b>		\$0 M	\$0 M	\$0 M	\$2 M	\$0 M	\$2 M	\$0 M	\$0 M		\$6 M	
<b>Dollars within 10% of the Low Bid</b>		\$22 M	\$11 M	\$3 M	\$16 M	\$11 M	\$16 M	\$32 M	\$23 M		\$23 M	
<b>Dollars more than 10% above the Low Bid</b>		\$0 M	\$11 M	\$12 M	\$1 M	\$3 M	\$12 M	\$10 M	\$3 M		\$2 M	
<b>% Dollars more than 10% below the Low Bid</b>		0%	0%	0%	11%	0%	6%	0%	1%		20%	
<b>% Dollars within 10% of the Low Bid</b>		100%	50%	20%	85%	81%	55%	76%	87%		73%	
<b>% Dollars more than 10% above the Low Bid</b>		0%	50%	80%	4%	19%	39%	24%	12%		7%	





# Monthly Engineering Estimate Accuracy (EEA)

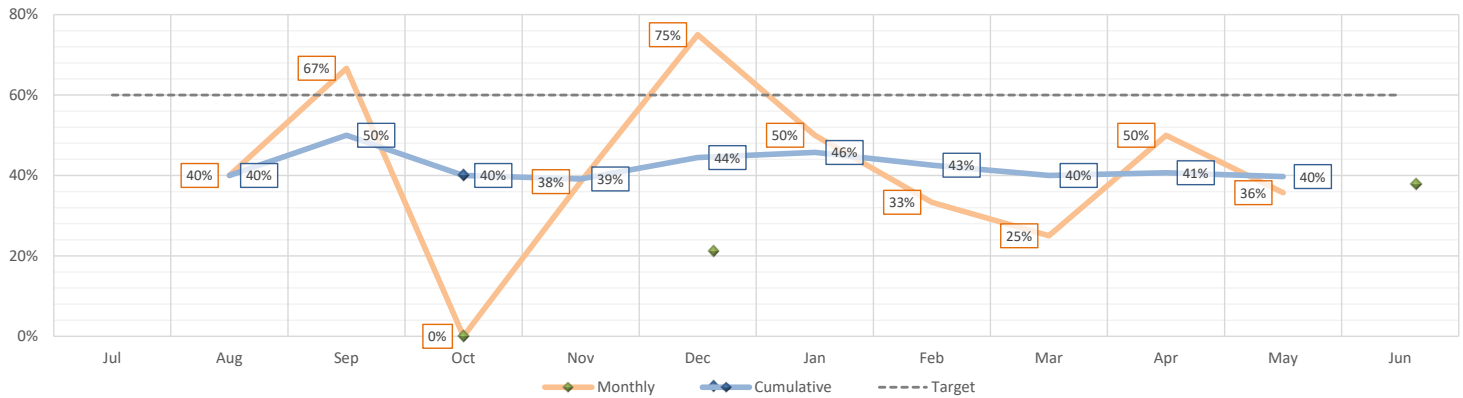
Report Date: 9/12/2023

## Southeast Monthly Estimate Accuracy

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
# of Let Proposals		5	3	2	13	4	8	12	8	4	14	
# of Proposals within 10% of the Low Bid		2	2	0	5	3	4	4	2	2	5	
% Proposals within 10% of the Low Bid		40%	67%	0%	38%	75%	50%	33%	25%	50%	36%	
Cumulative # of Let Proposals		5	8	10	23	27	35	47	55	59	73	
Cumulative # of Proposals within 10% of the Low Bid		2	4	4	9	12	16	20	22	24	29	
Cumulative % Proposals within 10% of the Low Bid		40%	50%	40%	39%	44%	46%	43%	40%	41%	40%	

Data through Sep 2023 Bid Letting

### % of Proposals within 10% of the Low Bid - By Month and Cumulative -

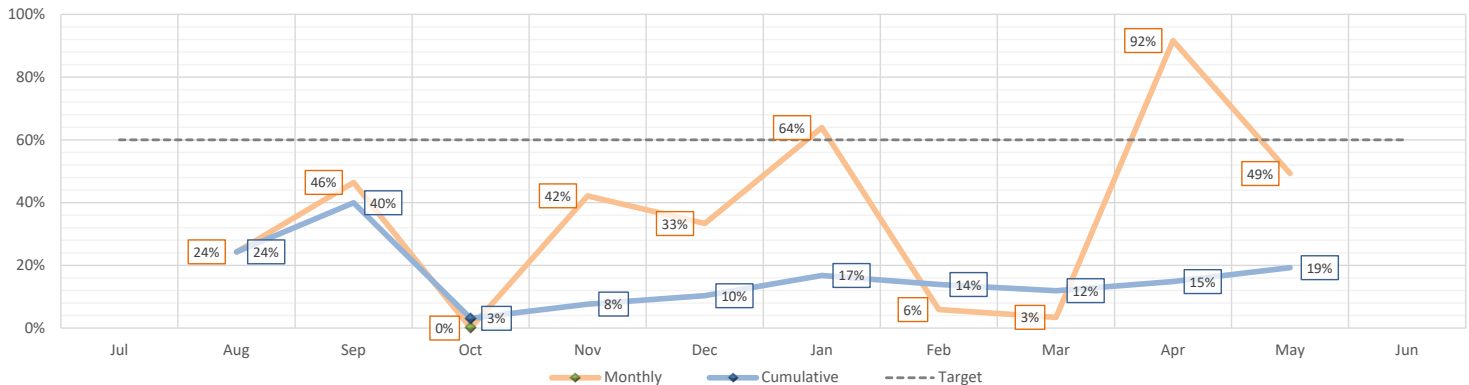


Data through Sep 2023 Bid Letting

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Dollars Spent on Proposals		\$5 M	\$12 M	\$204 M	\$29 M	\$29 M	\$38 M	\$114 M	\$99 M	\$20 M	\$81 M	
Dollars within 10% of the Low Bid		\$1 M	\$6 M	\$0 M	\$12 M	\$10 M	\$24 M	\$7 M	\$3 M	\$18 M	\$40 M	
% of Dollars within 10% of the Low Bid		24%	46%	0%	42%	33%	64%	6%	3%	92%	49%	
Cumulative Dollars Let for Proposals		\$5 M	\$17 M	\$221 M	\$250 M	\$279 M	\$317 M	\$431 M	\$530 M	\$550 M	\$631 M	
Cumulative Dollars within 10% of the Low Bid		\$1 M	\$7 M	\$7 M	\$19 M	\$29 M	\$53 M	\$60 M	\$63 M	\$81 M	\$122 M	
Cumulative % of Dollars within 10% of the Low Bid		24%	40%	3%	8%	10%	17%	14%	12%	15%	19%	

Data through Sep 2023 Bid Letting

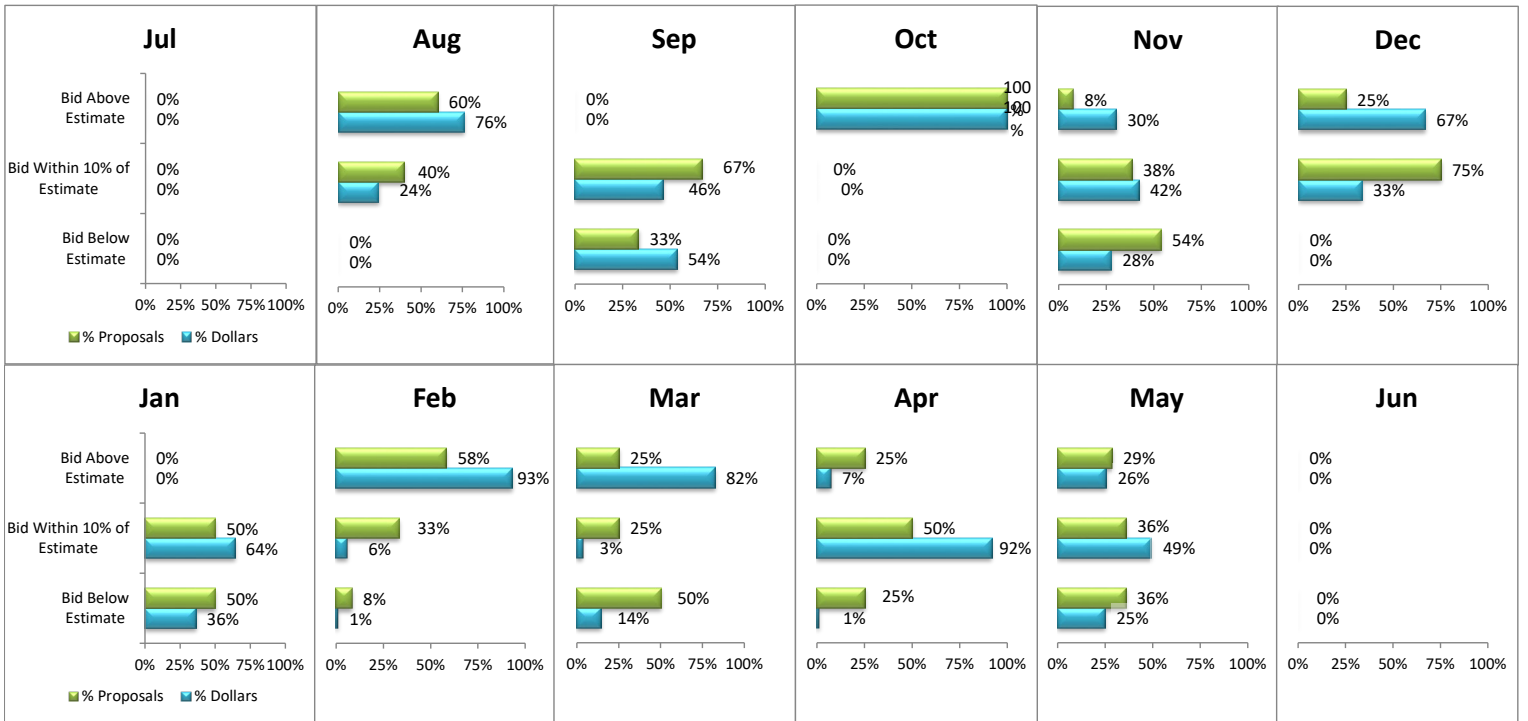
### % of Proposal Dollars within 10% of the Low Bid - By Month and Cumulative -



Data through Sep 2023 Bid Letting

### Southeast Review Above and Below Estimate (Monthly)

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>Total # of Proposals</b>		5	3	2	13	4	8	12	8	4	14	
<b># of Proposals more than 10% below the Low Bid</b>		0	1	0	7	0	4	1	4	1	5	
<b># of Proposals within 10% of the Low Bid</b>		2	2	0	5	3	4	4	2	2	5	
<b># of Proposals more than 10% above the Low Bid</b>		3	0	2	1	1	0	7	2	1	4	
<b>% Proposals more than 10% below the Low Bid</b>		0%	33%	0%	54%	0%	50%	8%	50%	25%	36%	
<b>% Proposals within 10% of the Low Bid</b>		40%	67%	0%	38%	75%	50%	33%	25%	50%	36%	
<b>% Proposals more than 10% above the Low Bid</b>		60%	0%	100%	8%	25%	0%	58%	25%	25%	29%	
<b>Total Dollars Spent</b>		\$5 M	\$12 M	\$204 M	\$29 M	\$29 M	\$38 M	\$114 M	\$99 M	\$20 M	\$81 M	
<b>Dollars more than 10% below the Low Bid</b>		\$0 M	\$7 M	\$0 M	\$8 M	\$0 M	\$14 M	\$1 M	\$14 M	\$0 M	\$20 M	
<b>Dollars within 10% of the Low Bid</b>		\$1 M	\$6 M	\$0 M	\$12 M	\$10 M	\$24 M	\$7 M	\$3 M	\$18 M	\$40 M	
<b>Dollars more than 10% above the Low Bid</b>		\$4 M	\$0 M	\$204 M	\$9 M	\$19 M	\$0 M	\$106 M	\$82 M	\$1 M	\$21 M	
<b>% Dollars more than 10% below the Low Bid</b>		0%	54%	0%	28%	0%	36%	1%	14%	1%	25%	
<b>% Dollars within 10% of the Low Bid</b>		24%	46%	0%	42%	33%	64%	6%	3%	92%	49%	
<b>% Dollars more than 10% above the Low Bid</b>		76%	0%	100%	30%	67%	0%	93%	82%	7%	26%	





# Monthly Engineering Estimate Accuracy (EEA)

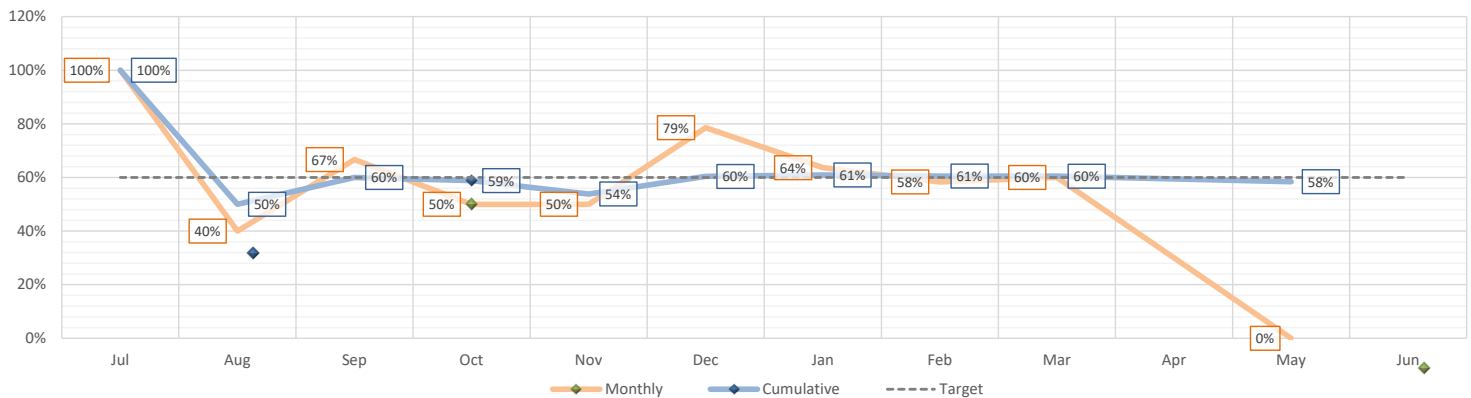
Report Date: 9/12/2023

## Southwest Monthly Estimate Accuracy

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
# of Let Proposals	1	5	9	2	22	14	11	12	10		3	
# of Proposals within 10% of the Low Bid	1	2	6	1	11	11	7	7	6		0	
% Proposals within 10% of the Low Bid	100%	40%	67%	50%	50%	79%	64%	58%	60%		0%	
Cumulative # of Let Proposals	1	6	15	17	39	53	64	76	86		89	
Cumulative # of Proposals within 10% of the Low Bid	1	3	9	10	21	32	39	46	52		52	
Cumulative % Proposals within 10% of the Low Bid	100%	50%	60%	59%	54%	60%	61%	61%	60%		58%	

Data through Sep 2023 Bid Letting

### % of Proposals within 10% of the Low Bid - By Month and Cumulative -

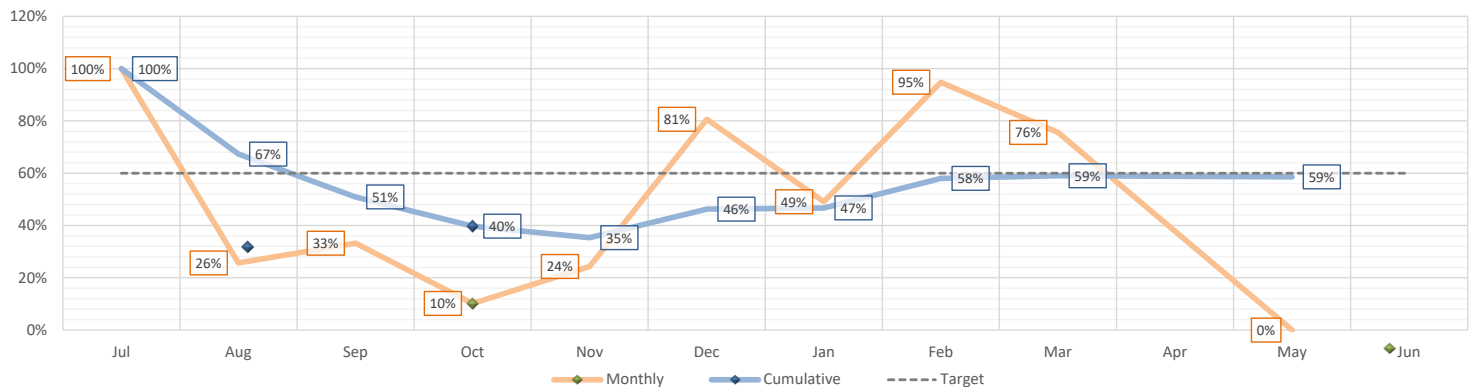


Data through Sep 2023 Bid Letting

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Dollars Spent on Proposals	\$28 M	\$22 M	\$46 M	\$36 M	\$53 M	\$59 M	\$49 M	\$90 M	\$23 M		\$3 M	
Dollars within 10% of the Low Bid	\$28 M	\$6 M	\$15 M	\$4 M	\$13 M	\$47 M	\$24 M	\$85 M	\$17 M		\$0 M	
% of Dollars within 10% of the Low Bid	100%	26%	33%	10%	24%	81%	49%	95%	76%		0%	
Cumulative Dollars Let for Proposals	\$28 M	\$50 M	\$96 M	\$132 M	\$184 M	\$243 M	\$292 M	\$382 M	\$405 M		\$408 M	
Cumulative Dollars within 10% of the Low Bid	\$28 M	\$33 M	\$49 M	\$52 M	\$65 M	\$112 M	\$137 M	\$222 M	\$239 M		\$239 M	
Cumulative % of Dollars within 10% of the Low Bid	100%	67%	51%	40%	35%	46%	47%	58%	59%		59%	

Data through Sep 2023 Bid Letting

### % of Proposal Dollars within 10% of the Low Bid - By Month and Cumulative -

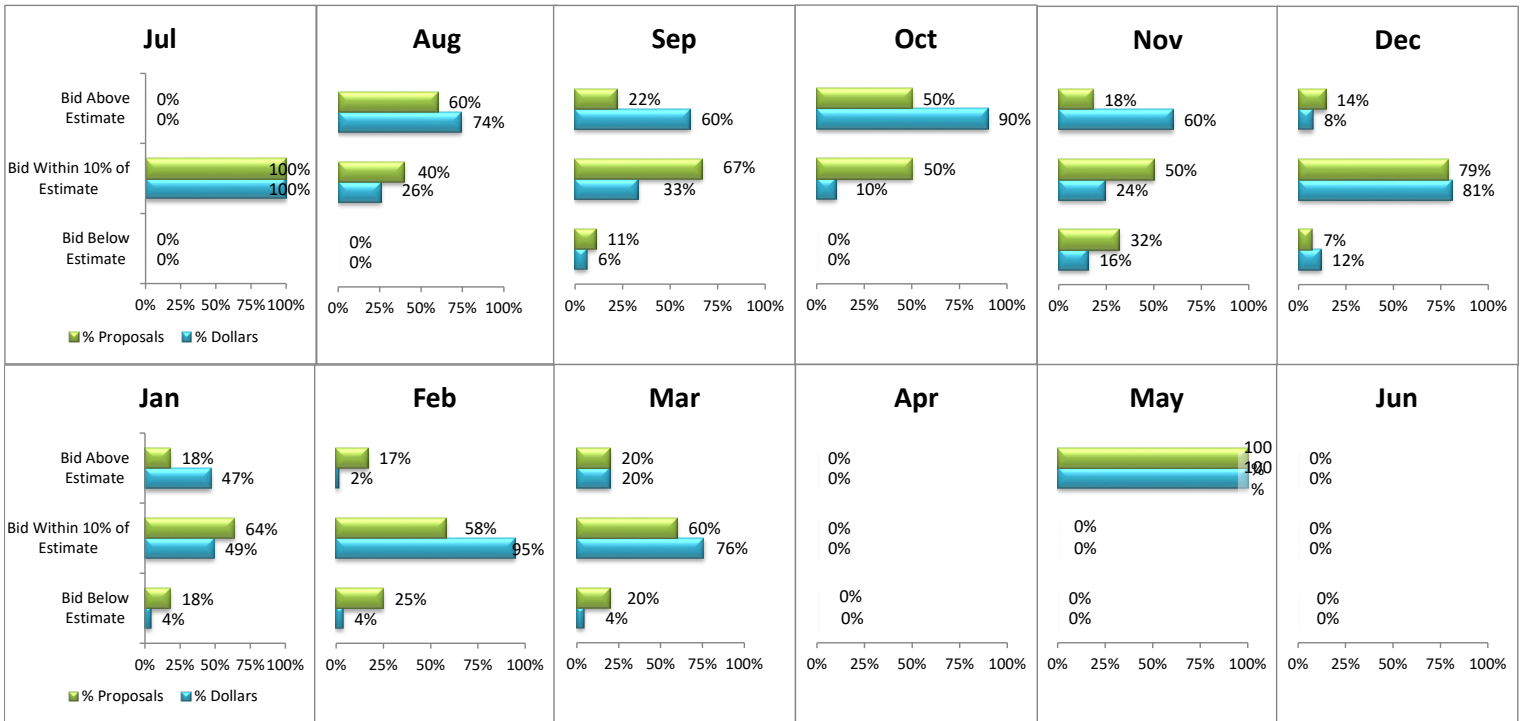


Data through Sep 2023 Bid Letting



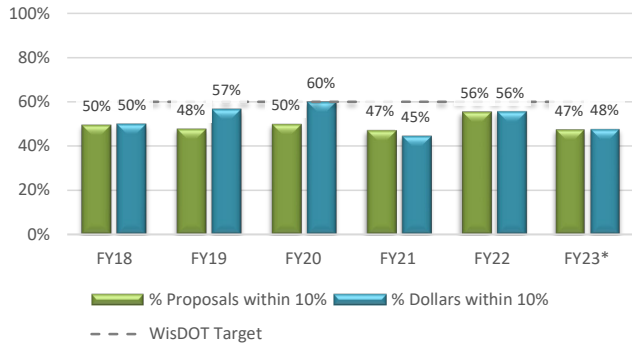
### Southwest Review Above and Below Estimate (Monthly)

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>Total # of Proposals</b>	1	5	9	2	22	14	11	12	10		3	
<b># of Proposals more than 10% below the Low Bid</b>	0	0	1	0	7	1	2	3	2		0	
<b># of Proposals within 10% of the Low Bid</b>	1	2	6	1	11	11	7	7	6		0	
<b># of Proposals more than 10% above the Low Bid</b>	0	3	2	1	4	2	2	2	2		3	
<b>% Proposals more than 10% below the Low Bid</b>	0%	0%	11%	0%	32%	7%	18%	25%	20%		0%	
<b>% Proposals within 10% of the Low Bid</b>	100%	40%	67%	50%	50%	79%	64%	58%	60%		0%	
<b>% Proposals more than 10% above the Low Bid</b>	0%	60%	22%	50%	18%	14%	18%	17%	20%		100%	
<b>Total Dollars Spent</b>	\$28 M	\$22 M	\$46 M	\$36 M	\$53 M	\$59 M	\$49 M	\$90 M	\$23 M		\$3 M	
<b>Dollars more than 10% below the Low Bid</b>	\$0 M	\$0 M	\$3 M	\$0 M	\$8 M	\$7 M	\$2 M	\$3 M	\$1 M		\$0 M	
<b>Dollars within 10% of the Low Bid</b>	\$28 M	\$6 M	\$15 M	\$4 M	\$13 M	\$47 M	\$24 M	\$85 M	\$17 M		\$0 M	
<b>Dollars more than 10% above the Low Bid</b>	\$0 M	\$16 M	\$28 M	\$32 M	\$32 M	\$4 M	\$23 M	\$1 M	\$5 M		\$3 M	
<b>% Dollars more than 10% below the Low Bid</b>	0%	0%	6%	0%	16%	12%	4%	4%	4%		0%	
<b>% Dollars within 10% of the Low Bid</b>	100%	26%	33%	10%	24%	81%	49%	95%	76%		0%	
<b>% Dollars more than 10% above the Low Bid</b>	0%	74%	60%	90%	60%	8%	47%	2%	20%		100%	

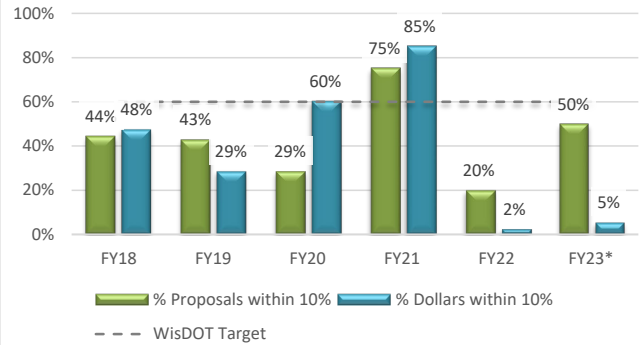


# Statewide Review Summary by Program Type (FY18 - FY23\*)

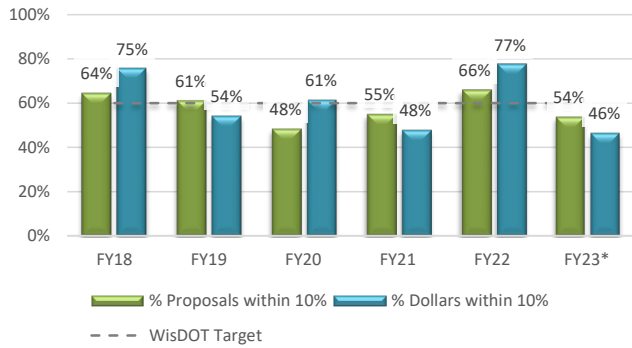
## State Highway Rehabilitation (SHR)



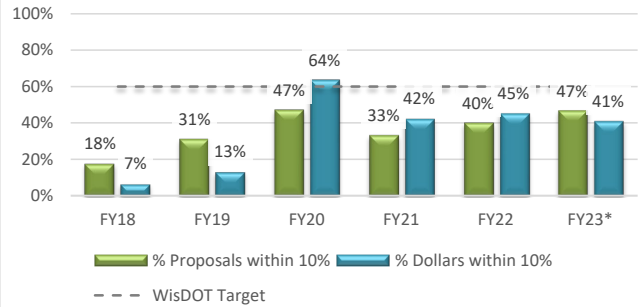
## Majors



## Local Program

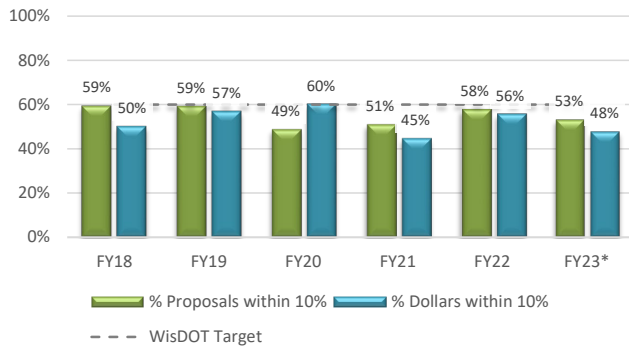


## State Highway Maintenance & Traffic Operations

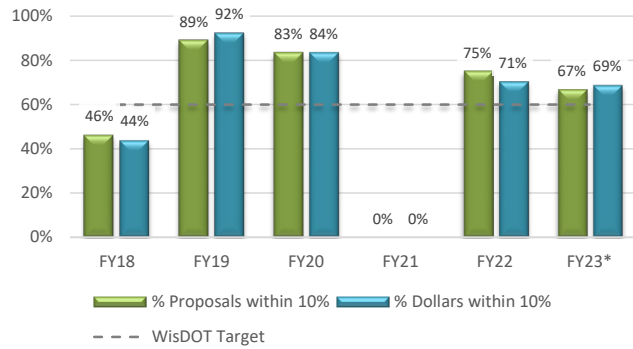


# Statewide Review Summary by Proposal Type (FY18 - FY23\*)

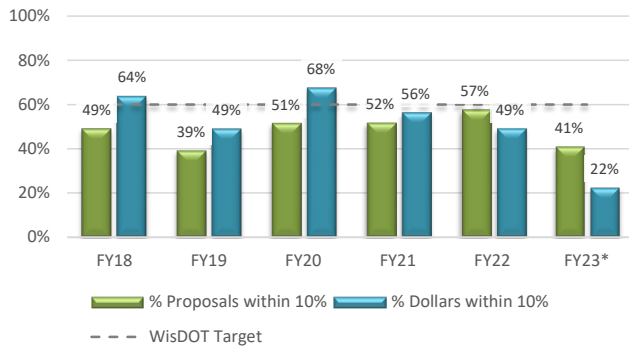
## Asphalt Paving



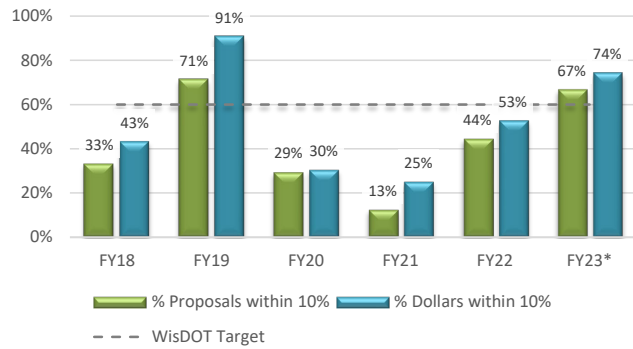
## Concrete Paving



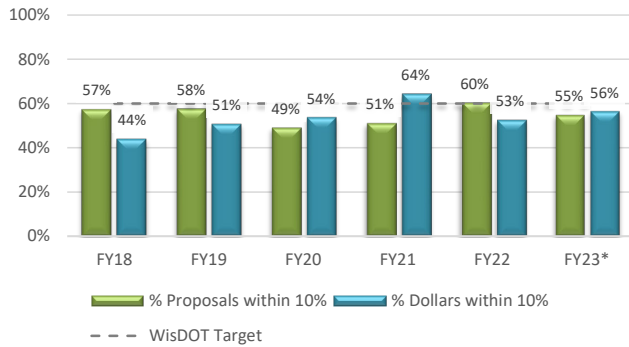
## General



## Grading

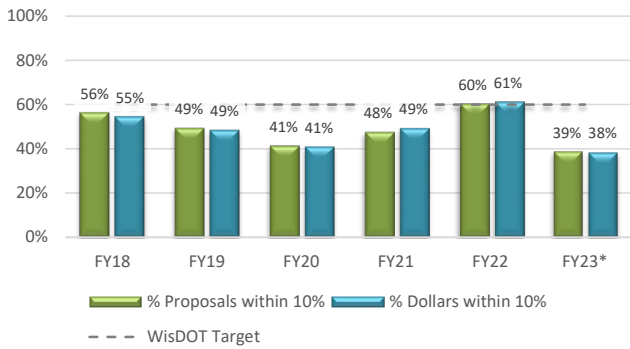


## Structure

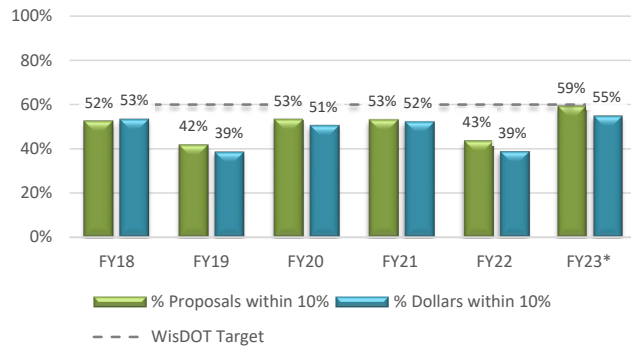


# Statewide Review Summary by Estimate Range (FY18 - FY23\*)

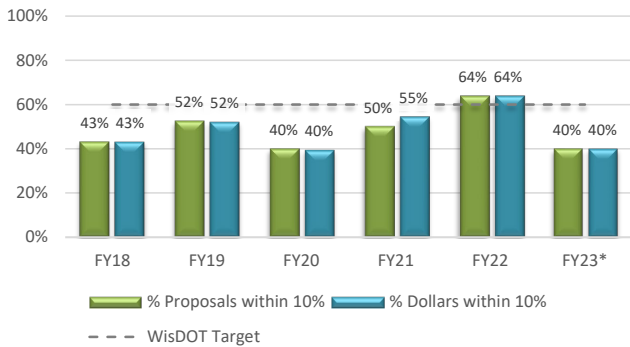
### Estimate Range - <\$0.5M



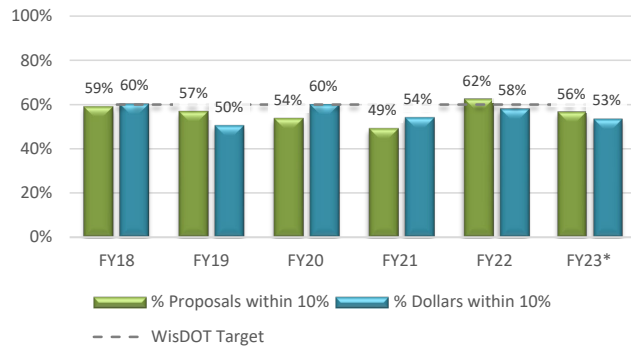
### Estimate Range - \$0.5M-\$1.0M



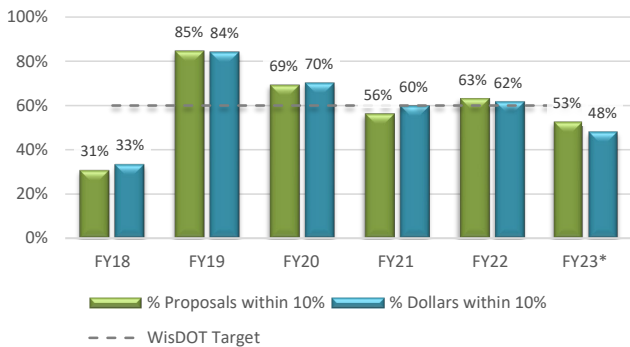
### Estimate Range - \$1.0M-\$2.0M



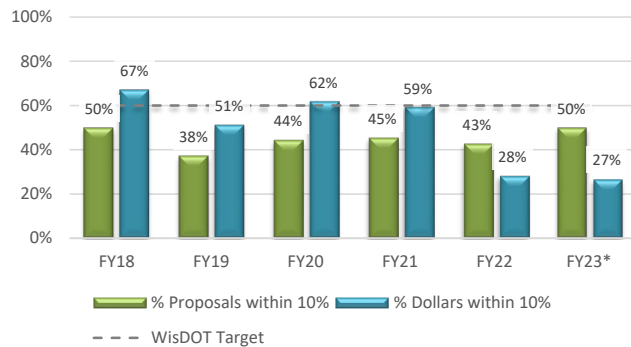
### Estimate Range - \$2.0M-\$10.0M



### Estimate Range - \$10.0M-\$20.0M

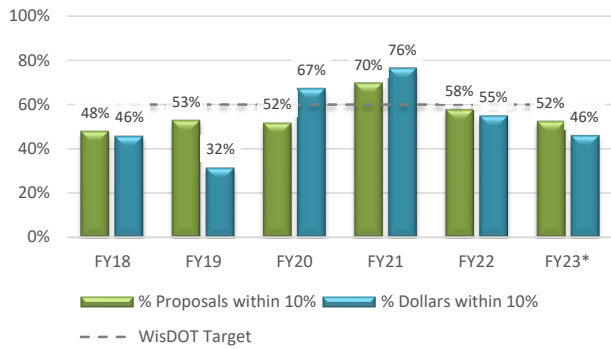


### Estimate Range - >\$20.0M

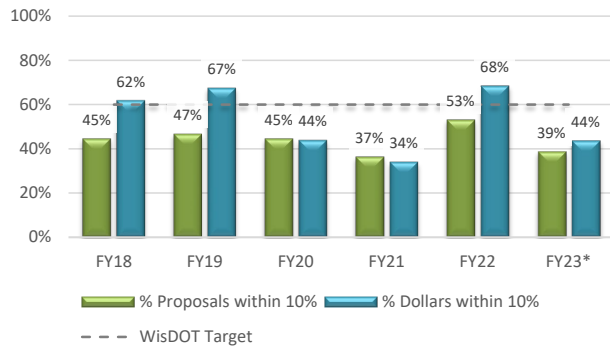


# Statewide Review Summary by Number of Bidders (FY18 - FY23\*)

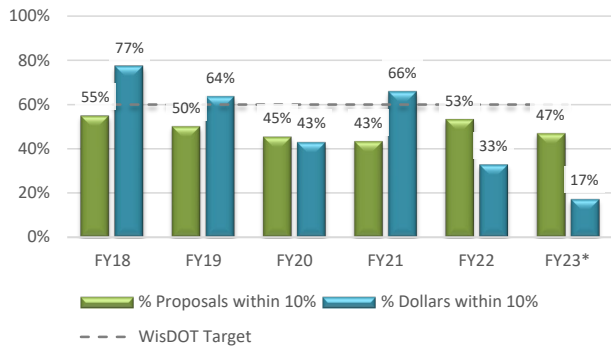
## Single Bidder



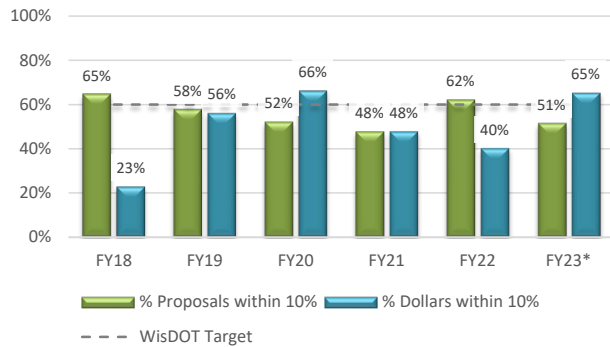
## Two Bidders



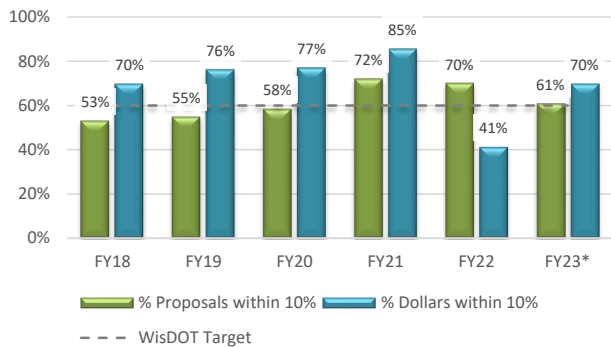
## Three Bidders



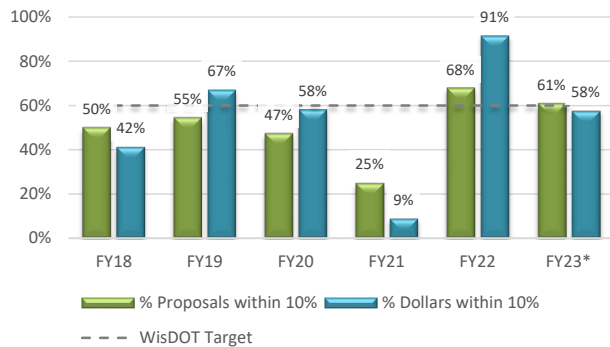
## Four Bidders



## Five Bidders



## Six or More Bidders



## Low Bid vs. Estimate by Number of Bidders (FY18 - FY23\*)

Total Number of Proposals: 1,920

Number of Bidders	1	2	3	4	5
Total Number of Proposals	441	449	372	279	216
Total Estimated Amount	\$ 1,866,836,245	\$ 1,579,534,908	\$ 2,015,015,607	\$ 896,841,805	\$ 1,044,828,462
Total Bid Amount	\$ 2,021,865,427	\$ 1,581,112,098	\$ 1,983,081,833	\$ 887,447,665	\$ 1,021,047,971
<b>% Over(Under)</b> ((BidAmt-EstAmt)/BidAmt)*100	8%	0%	-2%	-1%	-2%
Number of Bidders	6	7	8	9	10+
Total Number of Proposals	101	41	11	7	3
Total Estimated Amount	\$ 386,979,985	\$ 123,509,173	\$ 70,518,227	\$ 50,776,968	\$ 12,077,134
Total Bid Amount	\$ 361,480,295	\$ 113,315,377	\$ 60,659,726	\$ 45,461,989	\$ 10,621,792
<b>% Over(Under)</b> ((BidAmt-EstAmt)/BidAmt)*100	-7%	-9%	-16%	-12%	-14%

\*Data through Sep 2023 Bid Letting

