

Michigan Aggregates Association

July 23, 2021

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Today's Topics

- Rebuilding Michigan
- Bridge Bundling
- Reauthorization Update

Rebuilding Michigan Bond Program



- Governor proposed and State Transportation Commission authorized MDOT to issue \$3.5 billion over 4 years to rebuild/reconstruct/rehabilitate 46 projects
- First tranche of bonds issued in August 2020 - \$800M
- Second tranche planned for August 2021 - \$800M

Total Projects

45

Road: Completed/In Progress

16

Bridge: Completed/In Progress

7



Rebuilding Michigan Program Progress Dashboard - Data as of 7/1/2021

Most recent analysis for the total of \$3.5 billion RBMP investment during FY2020-FY2024 results in a total of 45,147 jobs supported.*

<https://storymaps.arcgis.com/stories/3aebfdf9166a47c9ac53caed4b106e04>

RBMP Projects Status



- 7 projects Let in 2020 (\$494.6M Bond funded)
 - I-496 project completed Fall 2020
- 8 Projects Let to date in 2021 (\$568.5M Bond funded)
- 9 more projects for 2021 planned for Letting (\$608.9M)
- 13 projects scheduled for 2022 Letting (\$1,069.8M)
- 8 projects scheduled for 2023 Letting (\$806M)
- 1 project planned for 2025 Letting (\$97.1M)

- 17 projects have incurred costs of \$145.8M through 6/30/21

Projects Utilizing Bond Funds



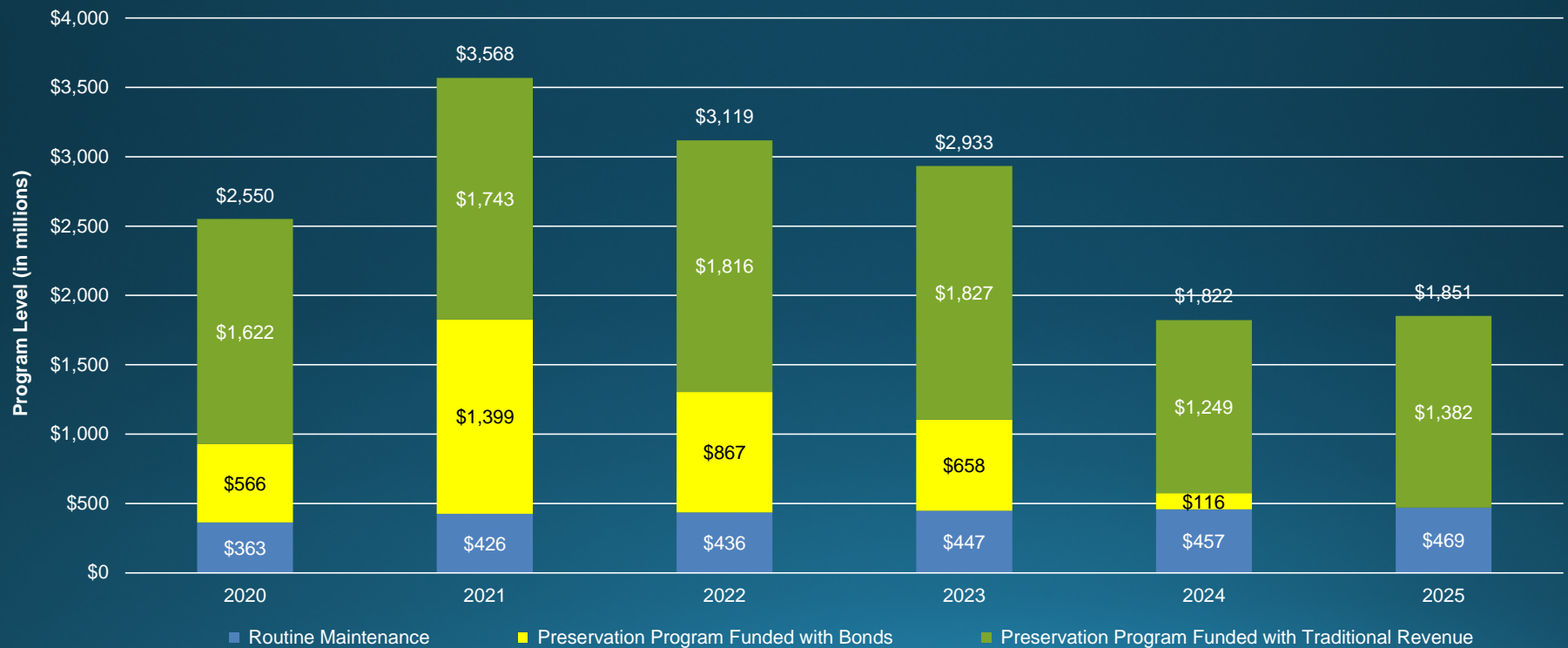
Region	Major Route (Report)	Location (Report)	Letting	Engineer Estimate	Low Bid	Savings*	Percentage
University	I-496	I-96 to Lansing Road	2/21/2020	\$52,232,908.33	\$47,817,642.22	\$4,415,266.11	-8.45%
SW/Uni.	I-69	I-69 Corridor	7/24/2020	\$214,129,045.00	\$210,180,169.69	\$3,948,875.31	-1.84%
Southwest	I-94 & US-31	Berrien County	6/19/2020	\$133,130,299.00	\$121,483,900.00	\$11,646,399.00	-8.75%
University	I-94	I-94 Near Jackson	10/30/2020	\$97,350,893.92	\$117,137,913.01	(\$19,787,019.09)	20.33%
Bay	I-69 E	Cox Doty Drain to M-19	1/8/2021	\$46,759,163.64	\$37,806,489.95	\$8,952,673.69	-19.15%
Grand	I-196 S	From 130th Avenue north to US-31	2/5/2021	\$35,209,172.87	\$31,520,522.97	\$3,688,649.90	-10.48%
Metro	M-59 W	Romeo Plank to I-94	2/5/2021	\$61,343,654.73	\$60,974,226.42	\$369,428.31	-0.60%
Bay	I-69	Fenton Road to M-54	3/5/2021	\$80,685,546.16	\$100,196,390.96	(\$19,510,844.80)	24.18%
Metro	I-275	Northline Road to 5 Mile Road	5/7/2021	\$279,325,744.56	\$256,892,162.12	\$22,433,582.44	8.03%
University	I-69	I-96 to Airport Road	6/30/2021	\$67,536,731.84	\$64,539,405.25	\$2,997,326.59	4.44%
				\$1,067,703,160.05	\$1,048,548,822.59	\$19,154,337.46	1.79%

* Savings relates to all JNs within the contract, not just bond savings

Rebuilding Michigan

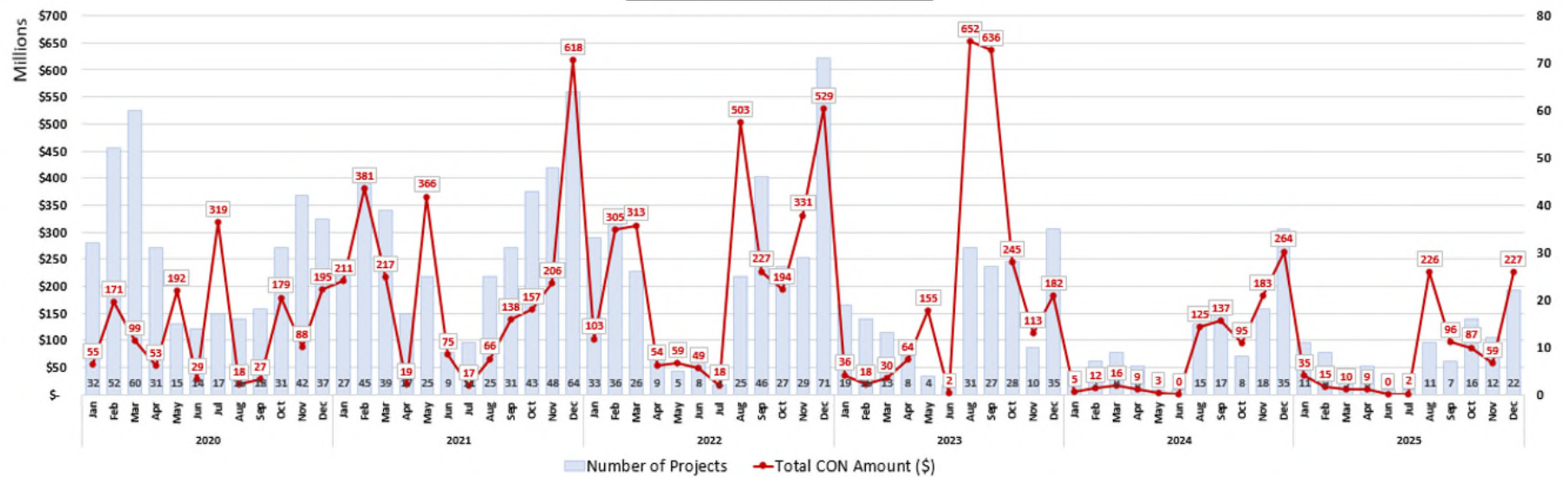


Highway Program Investment FY2020-2025 (in millions)



*This slide shows investment by obligation year while the previous slide shows construction phase investment only

PROJECTS BY LETTING DATE



NOTE: This information represents the total number of projects and dollars scheduled to be let in a given month. Therefore the sum of values will not directly correlate to program year budgets, and this information is always subject to change.

2021 Projected Lettings

(Trunkline Only)

12-Jul-21

Letting Month	Projects*	Construction Costs (\$ Millions)*
July, 2020	18	\$270.75
August, 2020	16	\$16.03
September, 2020	18	\$24.53
October, 2020	34	\$156.20
November, 2020	43	\$100.36
December, 2020	37	\$173.14
January, 2021	28	\$199.91
February, 2021	45	\$341.56
March, 2021	39	\$198.08
April, 2021	17	\$17.29
May, 2021	25	\$323.91
June, 2021	10	\$68.63
Total	330	\$1,890.39

** This information represents the total number of projects and dollars scheduled to be let in a given month. Therefore the sum of values will not directly correlate to program year budgets, and this information is always subject to change.*

2022 Projected Lettings

(Trunkline Only)

12-Jul-21

Letting Month	Projects*	Construction Costs (\$ Millions)*
July, 2021	11	\$14.55
August, 2021	25	\$59.84
September, 2021	31	\$126.41
October, 2021	46	\$148.65
November, 2021	47	\$180.62
December, 2021	64	\$562.72
January, 2022	33	\$92.47
February, 2022	36	\$279.16
March, 2022	26	\$280.82
April, 2022	9	\$49.86
May, 2022	6	\$54.22
June, 2022	8	\$44.91
Total	342	\$1,894.23

** This information represents the total number of projects and dollars scheduled to be let in a given month. Therefore the sum of values will not directly correlate to program year budgets, and this information is always subject to change.*

Quantity Values

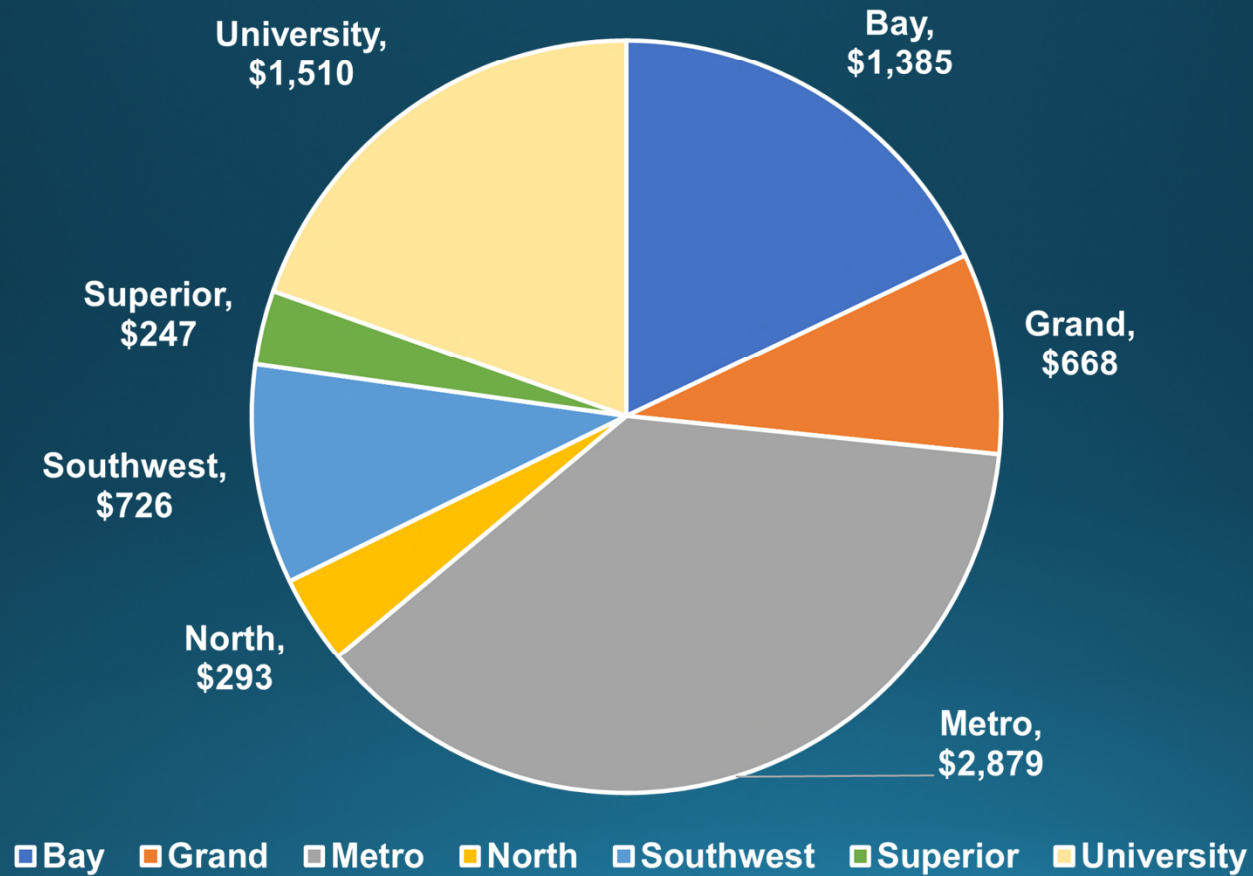
Item	2021	2022
HMA (Tons)	2,284,692	4,010,684
Concrete (SYDs)	2,656,308	2,683,788
\$ of Bridge Work (Millions)	270.70	216.60
Aggregate (Tons)	332,439	155,785
Aggregate (SYDs)	4,840,185	5,656,473
Aggregate (CYDs)	28,317	4,061
Subbase (CYDs)	1,663,200	2,097,550

This information is draft and may change as the program is developed.

Temporary Concrete Barrier Projected Quantities

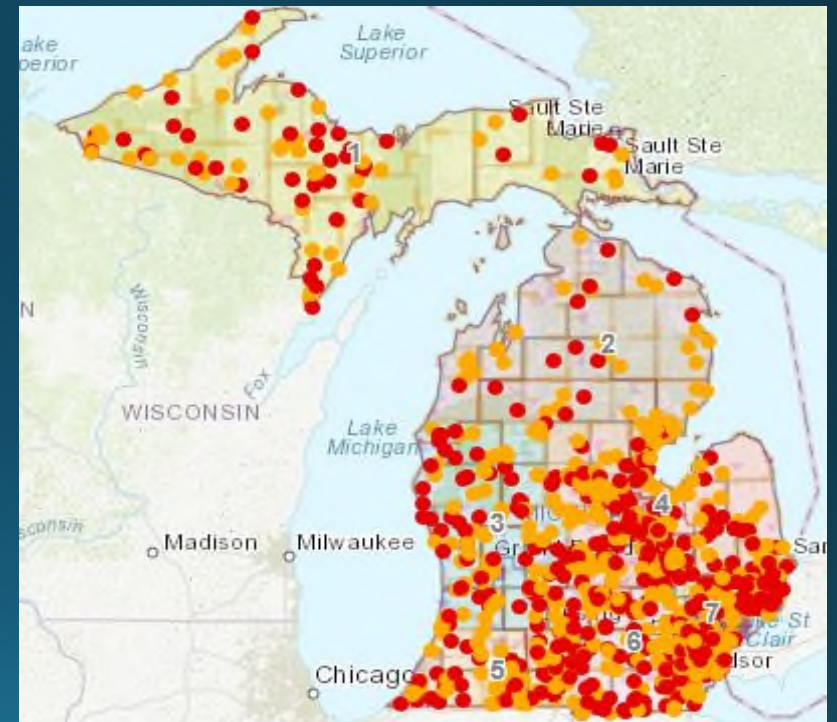
Region	2022	2023	2024	2025
University	416,500	161,300	126,500	142,400
Metro	472,266	578,934	724,962	262,768
North	4,320	46,000	4,300	500
Southwest	10,000	204,000	12,000	90,000
Bay	80,400	130,500	91,500	6,400
Superior	3,950	3,150	2,700	1,000
Grand	97,730	14,200	121,200	26,000
TOTAL	1,085,166	1,138,084	1,083,162	529,068

Total 2021-2025 Five Year Construction Plan \$7.70B



Local Agency Bridge Bundling

- Journey began over 4 years ago
- ‘Emerging crisis’ in local bridge system condition identified
- Significant portions of local bridge network in serious/critical/poor condition
- 1000+ load restricted structures



Collaboration

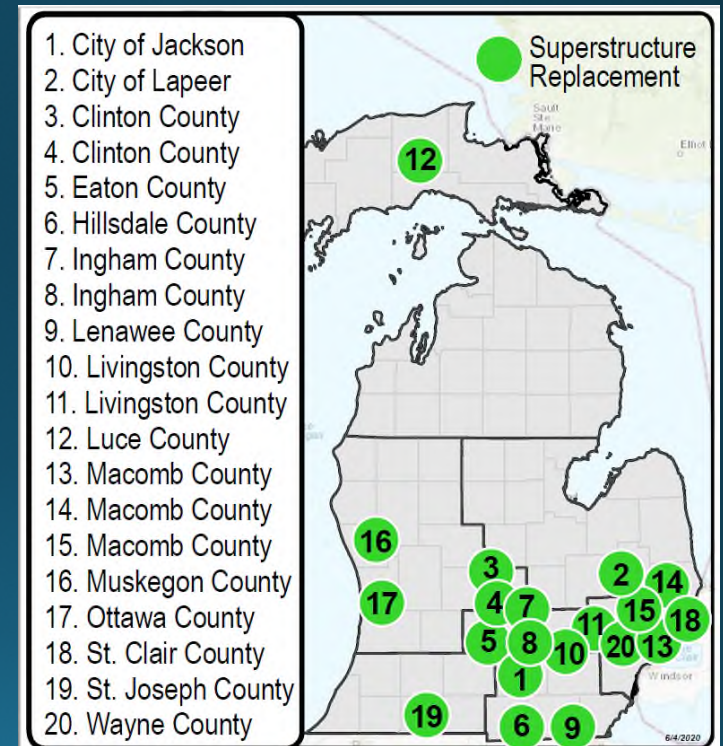


Coordination

Local Agency Bridge Bundling

Summary of Pilot Bundle Bridges

- 19 separate bridges, 14 agencies
- 12 counties, 2 cities
- 19 Superstructure Replacements including necessary approach work
- Average age – 50 years
- Average deck area - 2778 sft
- 14 load-restricted, 1 closed



Collaboration



Coordination

Bridge Bundling Project Organizational Chart

Decision Path

Advisory Path

Collaboration



MDOT
Technical
Team

Contract Terms & Conditions

PMC Team

Design-Build Contractor

Project

Project Stakeholders

Regulatory Agency Partners



LOCAL AGENCY
BRIDGE
BUNDLE PROGRAM

Coordination

Governor's \$300 Million Proposal and more

- ▶ Prioritizing closed local bridges (59) initially
- ▶ Procurement for packages to start in 2021 with completion start in 2022
- ▶ Prioritizing roads/critical, load posted on BT bridges, dependent on funding approval

REQUIRES LEGISLATIVE APPROVAL

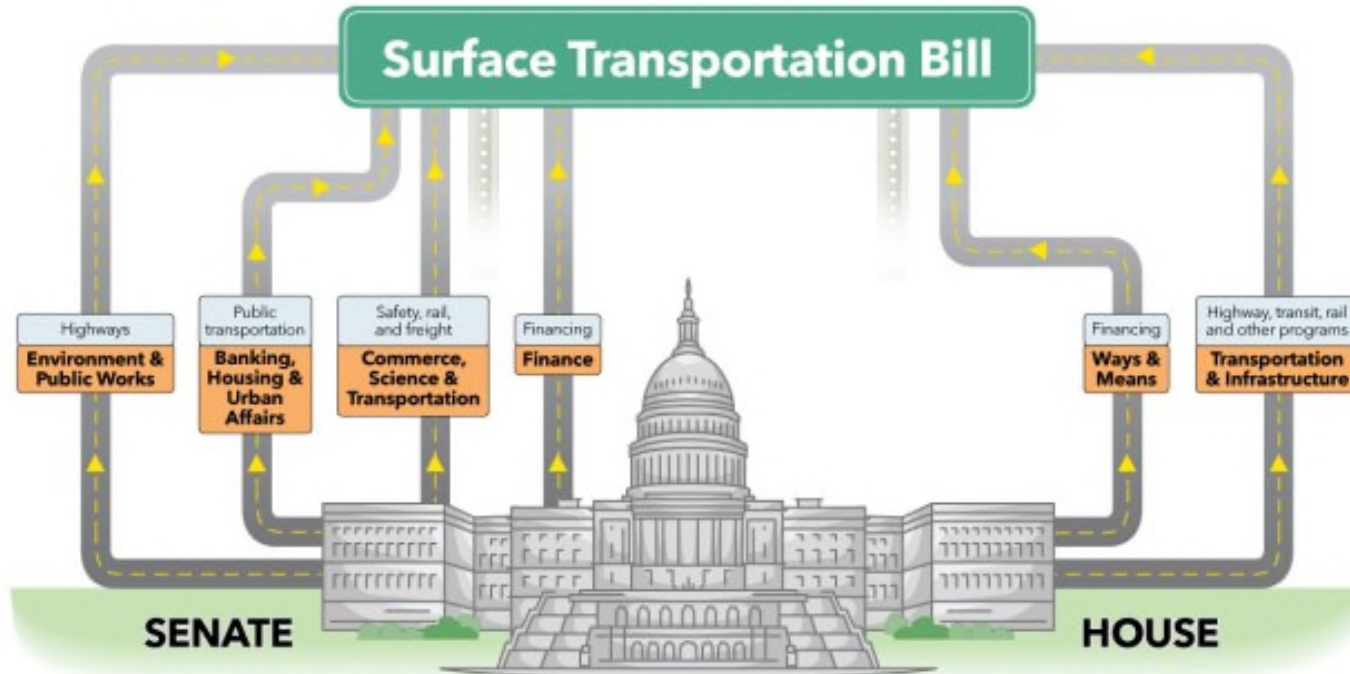


Reauthorization Update

FAST Act extension expires Oct. 1, 2021

Committees Responsible for Surface Transportation Reauthorization

Several panels will play a role in a long-term reauthorization.



Note: Additional committees – including House Energy and Commerce and Science, Space and Technology – may also be involved in the final bill.

Sources: Bloomberg Government reporting, Congressional Research Service

Bloomberg Government

Reauthorization Bill Comparison

House vs Senate Highway Bill Comparison (Billion \$\$ Contract Auth.)			
	<u>Senate</u> <u>Bill</u>	<u>House</u> <u>Bill</u>	<u>House</u> <u>More/Less</u>
Existing Apportioned Programs	259.395	255.240	-4.155
All-Purpose FY22 Formula Money	0.000	8.682	+8.682
New Apportioned Programs	13.720	20.729	+7.009
Ferries	0.570	0.560	-0.010
TOTAL FORMULA PROGRAMS	273.685	285.211	+11.526
INFRA/PNRS Grants	4.800	13.000	+8.200
Other Existing Allocated Programs	14.708	17.042	+2.335
New Allocated Programs	10.808	13.015	+2.207
Earmarks	0.000	5.662	+5.662
TOTAL ALLOCATED PROGRAMS	30.316	48.718	+18.403
TOTAL FHWA C.A.	304.000	333.929	+29.929

Source: Eno Center for Transportation

Questions?

