

# OHIO'S TRANSPORTATION OUTLOOK



OHIO DEPARTMENT OF  
TRANSPORTATION



## ODOT's MISSION

To provide easy movement of people and goods from place to place, we will:

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Take care of what we have;

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Make our system work better;

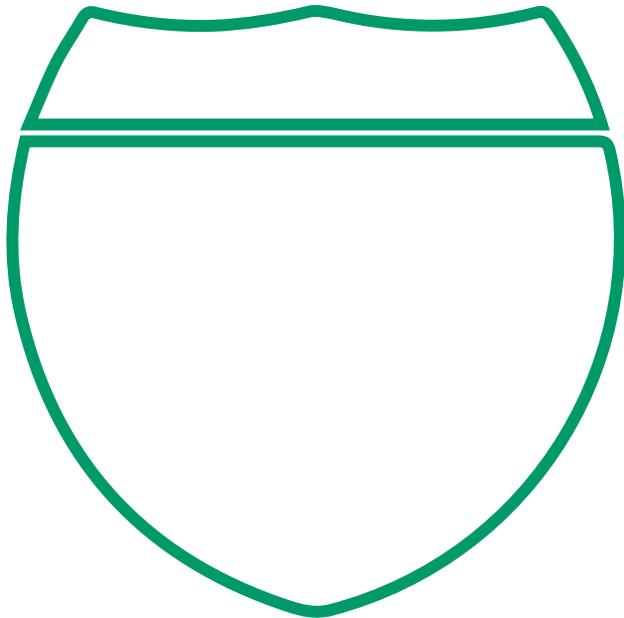
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Improve safety;

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Enhance capacity.

5TH



2ND

6TH





# OHIO'S HIGHWAY SYSTEM



# TRANSPORTATION BUDGET



Signed into law April 3<sup>rd</sup>, 2019 by Gov. DeWine

**ODOT:** additional \$450 million annually.

**Local Governments:** >\$370 million annually

**MFT Increases:**

Cities: 62.5% | Townships: 67% | Every County Engineers: \$1.53 million/62.8%

# HOUSE BILL 62: EFFECTIVE JULY 3, 2019

**GASOLINE:**  
10.5¢ increase

**DIESEL:**  
19¢ increase

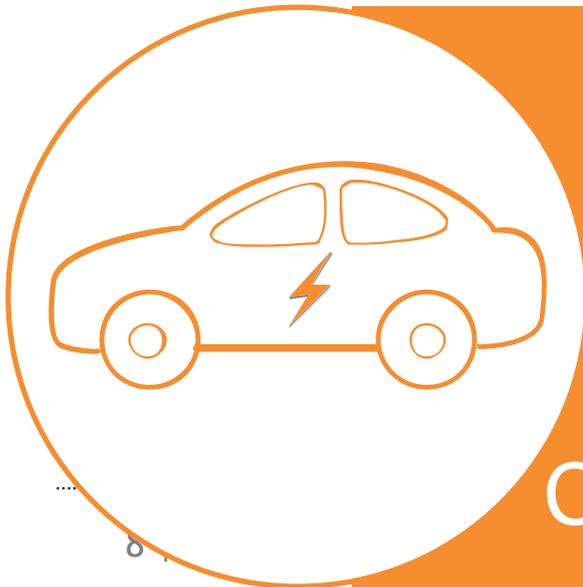
## **ODOT/LOCAL DISTRIBUTION**

**FORMULA:** WAS: 60%/40%  
NOW: 55%/45% for new monies

# HOUSE BILL 62

## TRANSIT:

Removed ODOT's Federal flex  
from **\$33 M / year**  
Increased funding  
to **\$70 M** annually from State GRF



## ALTERNATIVE FUELS:

Electric vehicles: **\$200** annually

Hybrid vehicles: **\$100** annually

Compressed Natural Gas = Diesel Levels

# HOUSE BILL 62 ESTIMATED DISTRIBUTIONS

## Estimated Gas Tax Revenues For Each County Engineer

<i>SFY 2020</i>		<i>SFY 2021</i>	
Original 28cpg	HB 62 28cpg + 10.5cpg Gas/19cpg Diesel	Original 28cpg	HB 62 28cpg + 10.5cpg Gas/19cpg Diesel
\$2,436,948	<b>\$3,967,041</b>	\$2,467,630	<b>\$4,011,374</b>

### City of Cleveland

\$9,322,163	<b>\$15,151,788</b>	9,439,968	<b>\$15,319,726</b>
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### City of Columbus

\$26,573,674	<b>\$43,191,551</b>	\$26,909,488	<b>\$43,670,275</b>
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### City of Cincinnati

\$8,194,950	<b>\$13,319,671</b>	\$8,298,510	<b>\$13,467,303</b>
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### City of Akron

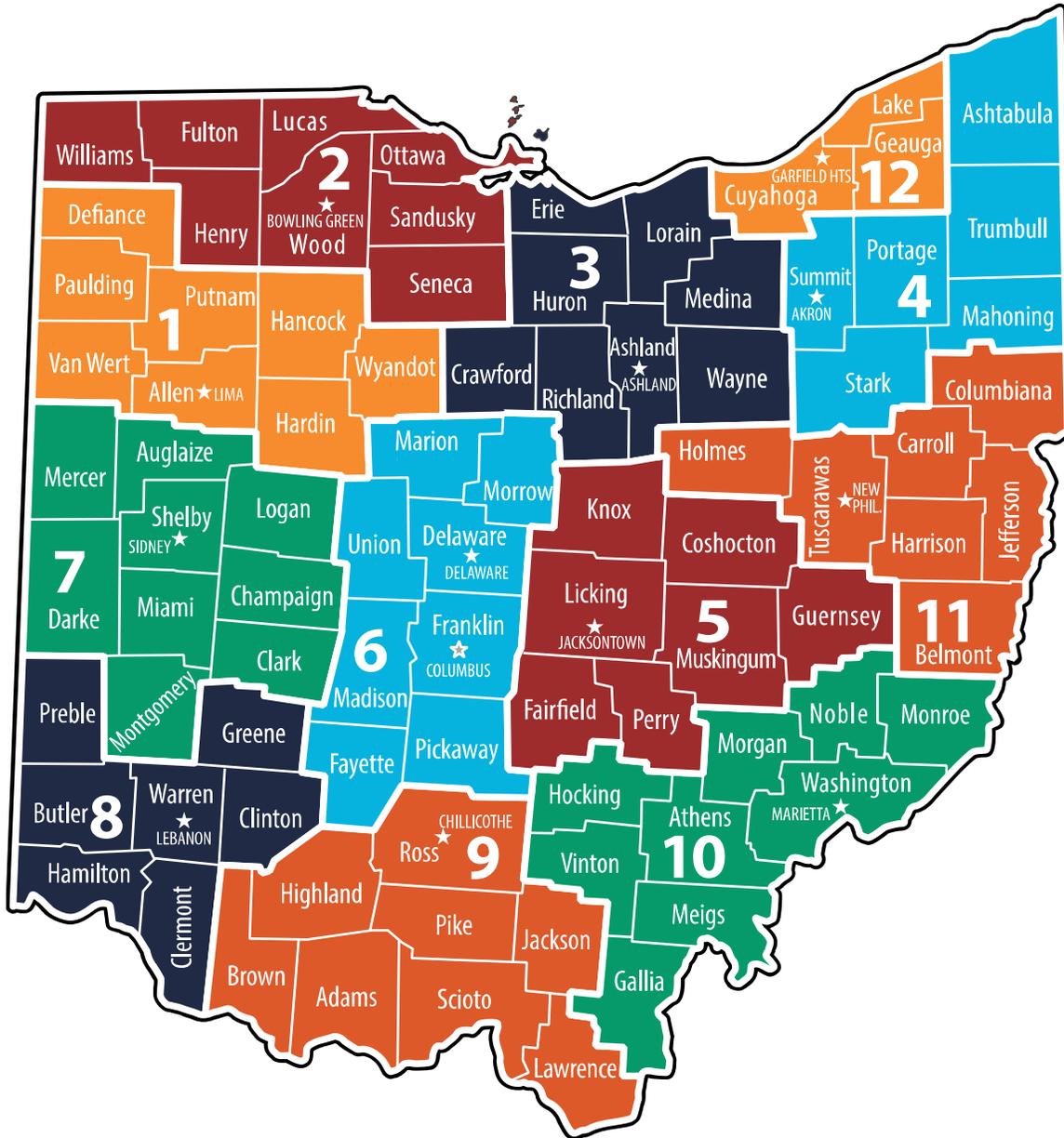
\$5,329,980	<b>\$8,663,089</b>	\$5,397,336	<b>\$8,759,109</b>
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## ODOT Statewide Transportation Investment SFYs 2020-2021 *(before and after HB 62)*

	Pavement Lane Miles	Bridges Treated	Safety Projects
Before	6,815	1,716	145
After	8,289	2,169	221
Increase	21%	26%	52%

# DISTRICT WORK PLAN COMPARISONS: *DISTRICT 1*



## PAVEMENT

	Priority	General	Urban	Total
Lane Miles - 3/2019	117.40	430.84	23.16	571.40
Lane Miles - 9/2019	160.32	788.56	22.18	971.06
Additional Mileage	42.92	357.72	-0.98	399.66
<b>PERCENT CHANGE</b>	<b>36.56%</b>	<b>83.03%</b>	<b>-4.23%</b>	<b>69.94%</b>

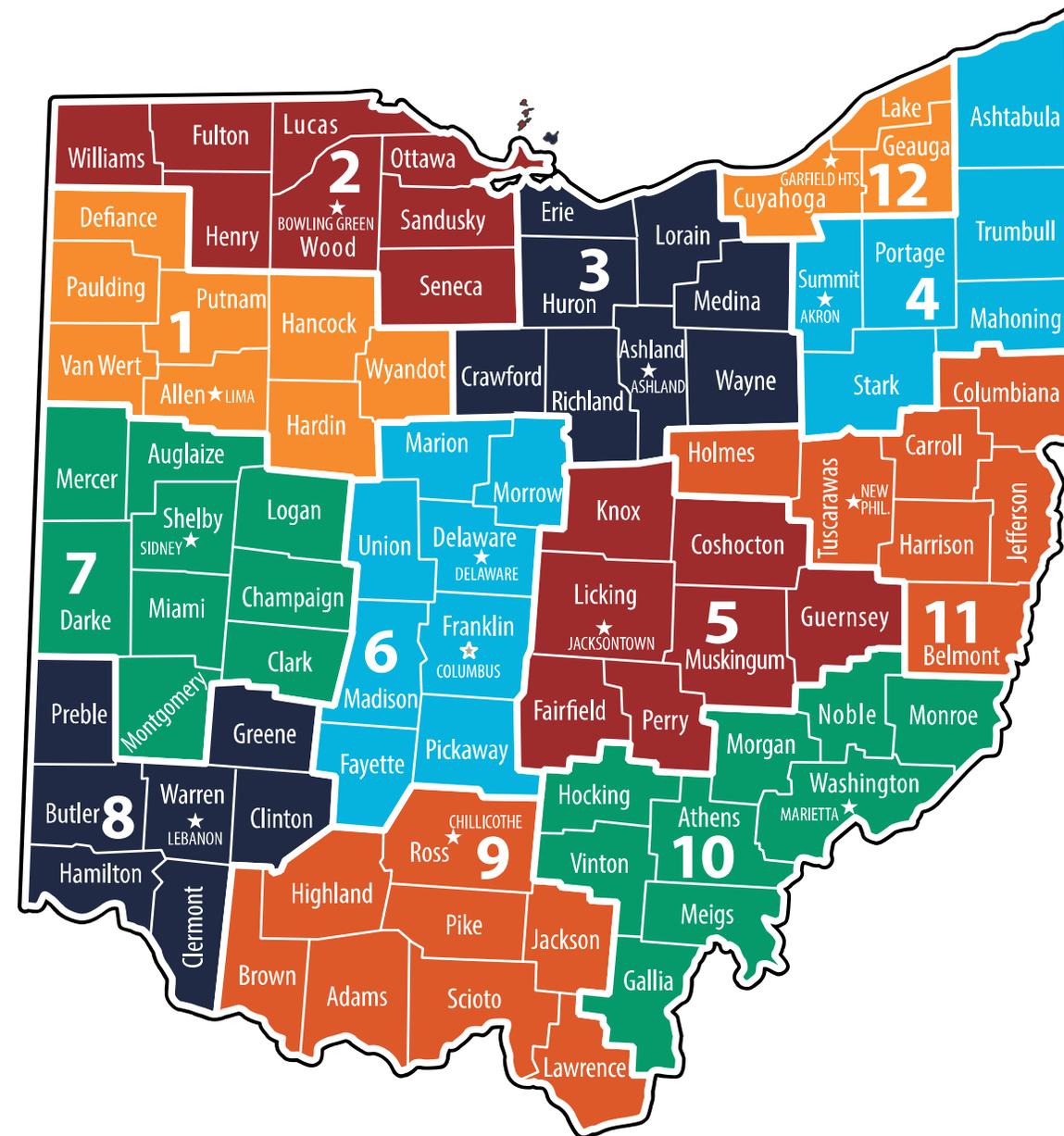
## BRIDGES

	Total
Structures Treated - 3/2019	23
Structures Treated - 9/2019	33
Additional Structures	10
<b>PERCENT CHANGE</b>	<b>43.48%</b>

# DISTRICT WORK PLAN COMPARISONS: *DISTRICT 2*

PAVEMENT				
	Priority	General	Urban	Total
Lane Miles - 3/2019	118.33	237.16	31.06	386.55
Lane Miles - 9/2019	118.73	317.72	35.78	472.23
Additional Mileage	0.40	80.56	4.72	85.68
<b>PERCENT CHANGE</b>	<b>0.34%</b>	<b>33.97%</b>	<b>15.20%</b>	<b>22.17%</b>

BRIDGES	
	Total
Structures Treated - 3/2019	102
Structures Treated - 9/2019	115
Additional Structures	13
<b>PERCENT CHANGE</b>	<b>12.75%</b>



# DISTRICT WORK PLAN COMPARISONS: *DISTRICT 3*



## PAVEMENT

	Priority	General	Urban	Total
Lane Miles - 3/2019	218.14	397.35	90.99	706.48
Lane Miles - 9/2019	241.98	527.39	89.29	858.66
Additional Mileage	23.84	130.04	-1.70	152.18
<b>PERCENT CHANGE</b>	<b>10.93%</b>	<b>32.73%</b>	<b>-1.87%</b>	<b>21.54%</b>

## BRIDGES

	Total
Structures Treated - 3/2019	93
Structures Treated - 9/2019	147
Additional Structures	54
<b>PERCENT CHANGE</b>	<b>58.06%</b>

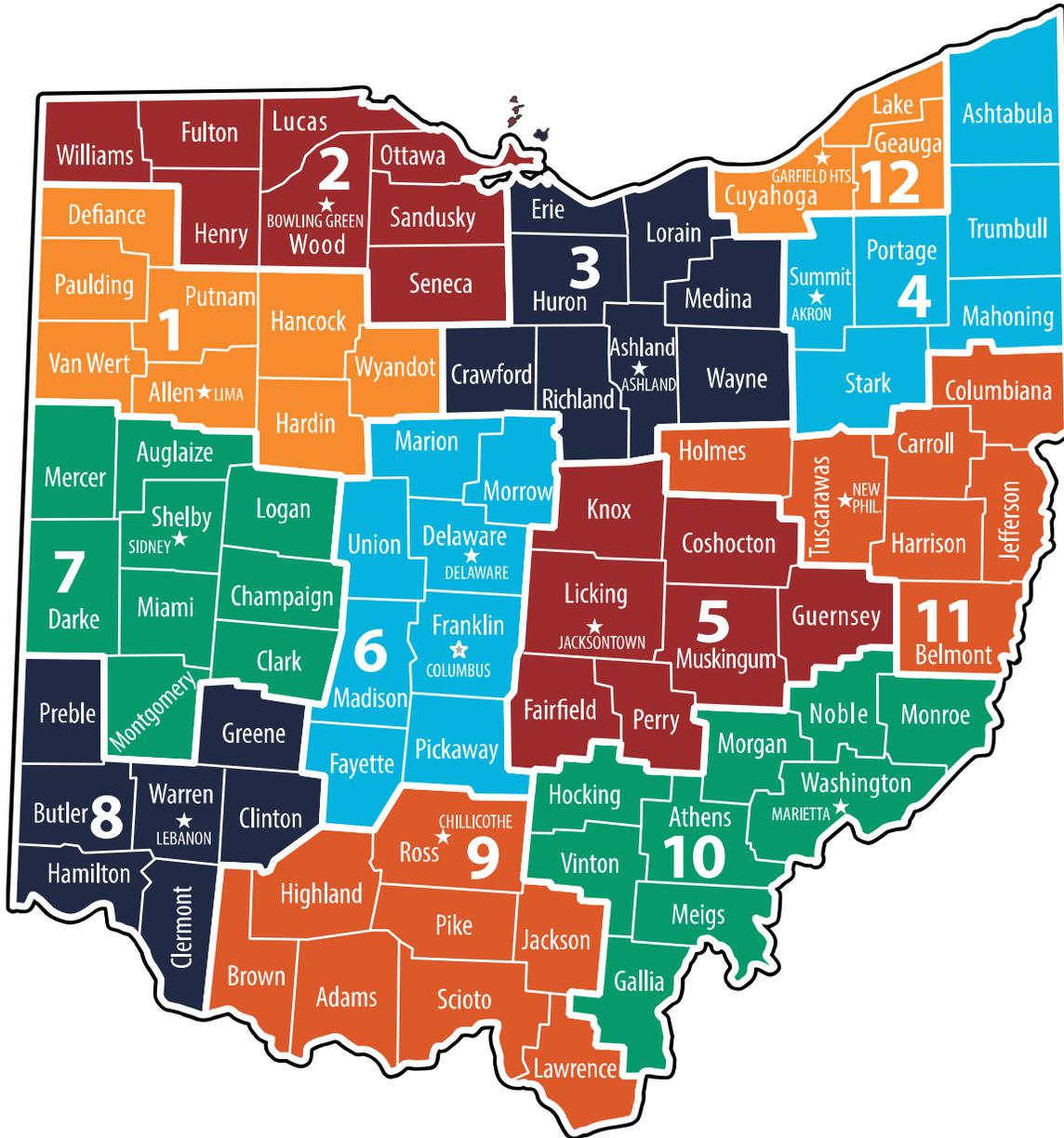
# DISTRICT WORK PLAN COMPARISONS: *DISTRICT 4*

PAVEMENT				
	Priority	General	Urban	Total
Lane Miles - 3/2019	204.58	367.08	112.04	683.70
Lane Miles - 9/2019	243.94	415.98	116.48	776.40
Additional Mileage	39.36	48.90	4.44	92.70
<b>PERCENT CHANGE</b>	<b>19.24%</b>	<b>13.32%</b>	<b>3.96%</b>	<b>13.56%</b>

BRIDGES	
	Total
Structures Treated - 3/2019	330
Structures Treated - 9/2019	390
Additional Structures	60
<b>PERCENT CHANGE</b>	<b>18.18%</b>



# DISTRICT WORK PLAN COMPARISONS: *DISTRICT 5*



## PAVEMENT

	Priority	General	Urban	Total
Lane Miles - 3/2019	87.40	240.74	6.59	334.73
Lane Miles - 9/2019	172.38	380.98	9.69	563.05
Additional Mileage	84.98	140.24	3.10	228.32
<b>PERCENT CHANGE</b>	<b>97.23%</b>	<b>58.25%</b>	<b>47.04%</b>	<b>68.21%</b>

## BRIDGES

	Total
Structures Treated - 3/2019	140
Structures Treated - 9/2019	204
Additional Structures	64
<b>PERCENT CHANGE</b>	<b>45.71%</b>

# DISTRICT WORK PLAN COMPARISONS: *DISTRICT 6*

PAVEMENT				
	Priority	General	Urban	Total
Lane Miles - 3/2019	284.73	322.07	65.86	672.66
Lane Miles - 9/2019	357.29	388.55	77.00	822.84
Additional Mileage	72.56	66.48	11.14	150.18
<b>PERCENT CHANGE</b>	<b>25.48%</b>	<b>20.64%</b>	<b>16.91%</b>	<b>22.33%</b>

BRIDGES	
	Total
Structures Treated - 3/2019	179
Structures Treated - 9/2019	197
Additional Structures	18
<b>PERCENT CHANGE</b>	<b>10.06%</b>



# DISTRICT WORK PLAN COMPARISONS: *DISTRICT 7*



## PAVEMENT

	Priority	General	Urban	Total
Lane Miles - 3/2019	154.90	419.52	56.01	630.43
Lane Miles - 9/2019	173.31	494.69	56.67	724.67
Additional Mileage	18.41	75.17	0.66	94.24
<b>PERCENT CHANGE</b>	<b>11.89%</b>	<b>17.92%</b>	<b>1.18%</b>	<b>14.95%</b>

## BRIDGES

	Total
Structures Treated - 3/2019	335
Structures Treated - 9/2019	415
Additional Structures	81
<b>PERCENT CHANGE</b>	<b>21.18%</b>

# DISTRICT WORK PLAN COMPARISONS: *DISTRICT 8*

PAVEMENT				
	Priority	General	Urban	Total
Lane Miles - 3/2019	384.96	167.28	52.92	605.16
Lane Miles - 9/2019	308.46	225.54	52.22	586.22
Additional Mileage	-76.50	58.26	-0.70	-18.94
<b>PERCENT CHANGE</b>	<b>-19.87%</b>	<b>34.83%</b>	<b>-1.32%</b>	<b>-3.13%</b>

BRIDGES	
	Total
Structures Treated - 3/2019	136
Structures Treated - 9/2019	155
Additional Structures	19
<b>PERCENT CHANGE</b>	<b>13.97%</b>



# DISTRICT WORK PLAN COMPARISONS: *DISTRICT 9*



## PAVEMENT

	Priority	General	Urban	Total
Lane Miles - 3/2019	253.12	355.78	19.27	628.17
Lane Miles - 9/2019	260.48	343.44	19.27	623.19
Additional Mileage	7.36	-12.34	0.00	-4.98
<b>PERCENT CHANGE</b>	<b>2.91%</b>	<b>-3.47%</b>	<b>0.00%</b>	<b>-0.79%</b>

## BRIDGES

	Total
Structures Treated - 3/2019	113
Structures Treated - 9/2019	158
Additional Structures	45
<b>PERCENT CHANGE</b>	<b>39.82%</b>

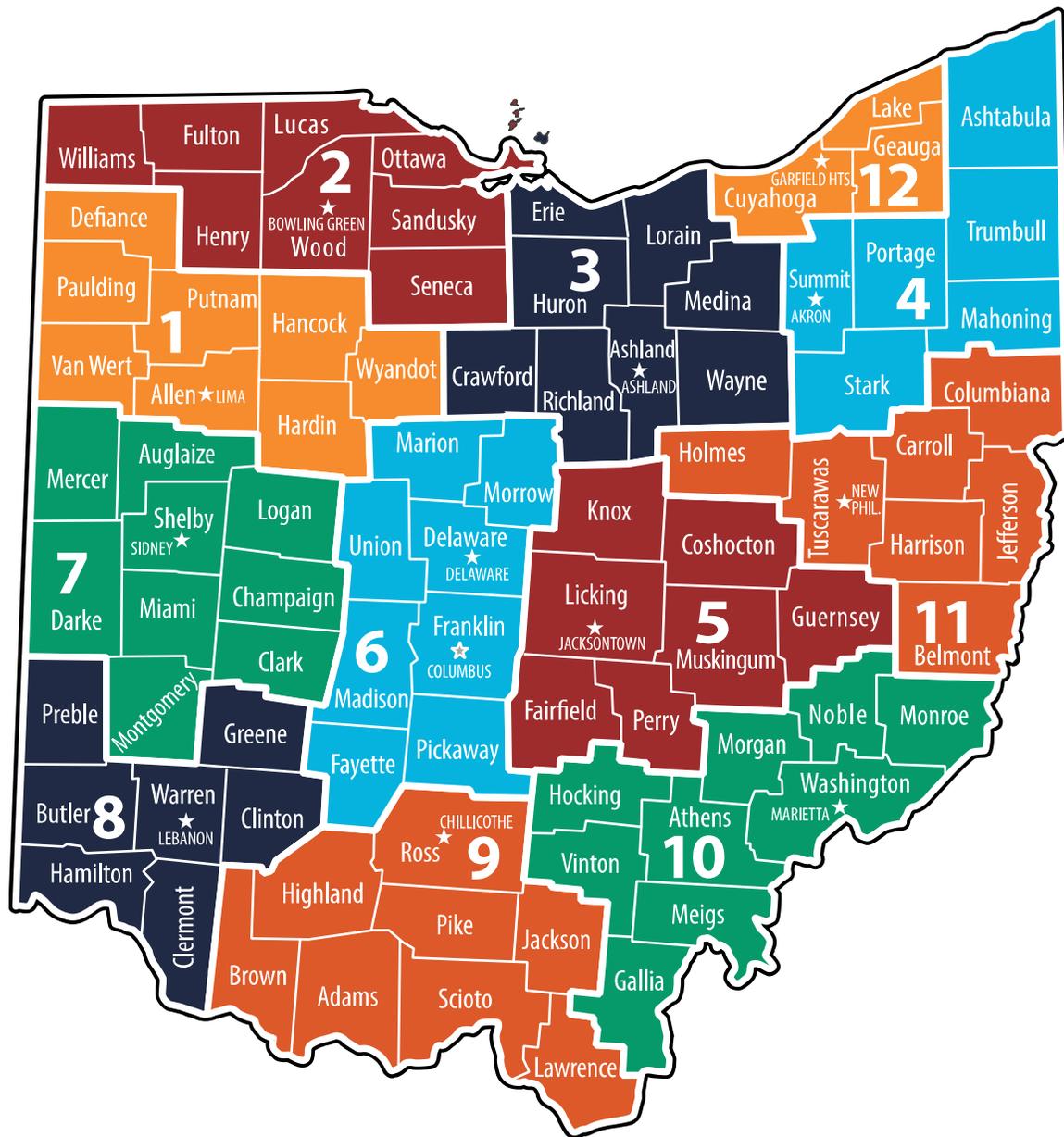
# DISTRICT WORK PLAN COMPARISONS: *DISTRICT 10*

PAVEMENT				
	Priority	General	Urban	Total
Lane Miles - 3/2019	147.72	534.78	14.37	696.87
Lane Miles - 9/2019	173.76	575.10	14.37	763.23
Additional Mileage	26.04	40.32	0.00	66.36
<b>PERCENT CHANGE</b>	<b>17.63%</b>	<b>7.54%</b>	<b>0.00%</b>	<b>9.52%</b>

BRIDGES	
	Total
Structures Treated - 3/2019	39
Structures Treated - 9/2019	37
Additional Structures	-2
<b>PERCENT CHANGE</b>	<b>-5.13%</b>



# DISTRICT WORK PLAN COMPARISONS: *DISTRICT 11*



## PAVEMENT

	Priority	General	Urban	Total
Lane Miles - 3/2019	212.08	281.07	14.36	507.51
Lane Miles - 9/2019	264.22	357.09	15.52	636.83
Additional Mileage	52.14	76.02	1.16	129.32
<b>PERCENT CHANGE</b>	<b>24.59%</b>	<b>27.05%</b>	<b>8.08%</b>	<b>25.48%</b>

## BRIDGES

	Total
Structures Treated - 3/2019	45
Structures Treated - 9/2019	56
Additional Structures	11
<b>PERCENT CHANGE</b>	<b>24.44%</b>

# DISTRICT WORK PLAN COMPARISONS: *DISTRICT 12*

PAVEMENT				
	Priority	General	Urban	Total
Lane Miles - 3/2019	151.70	108.60	131.28	391.58
Lane Miles - 9/2019	223.08	146.02	121.89	490.99
Additional Mileage	71.38	37.42	-9.39	99.41
<b>PERCENT CHANGE</b>	<b>47.05%</b>	<b>34.46%</b>	<b>-7.15%</b>	<b>25.39%</b>

BRIDGES	
	Total
Structures Treated - 3/2019	181
Structures Treated - 9/2019	261
Additional Structures	80
<b>PERCENT CHANGE</b>	<b>44.20%</b>



# ASSET MANAGEMENT

1



State-of-the-Art Technology

2



Aggressive Preservation Treatments

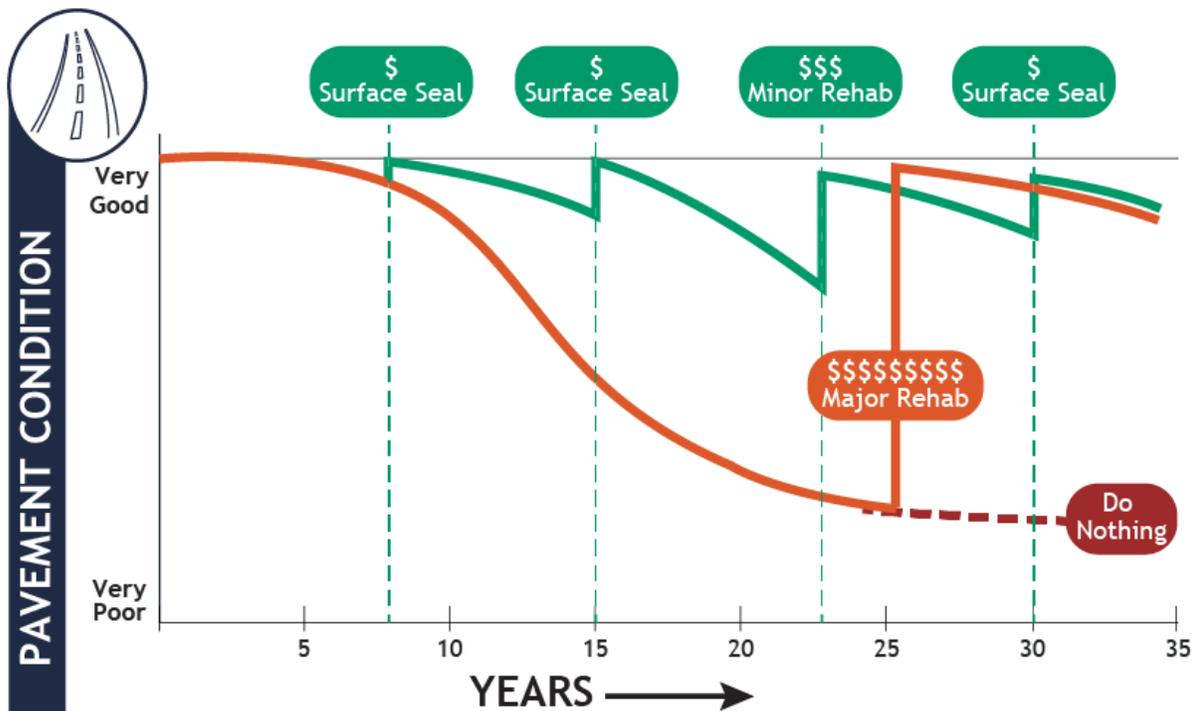
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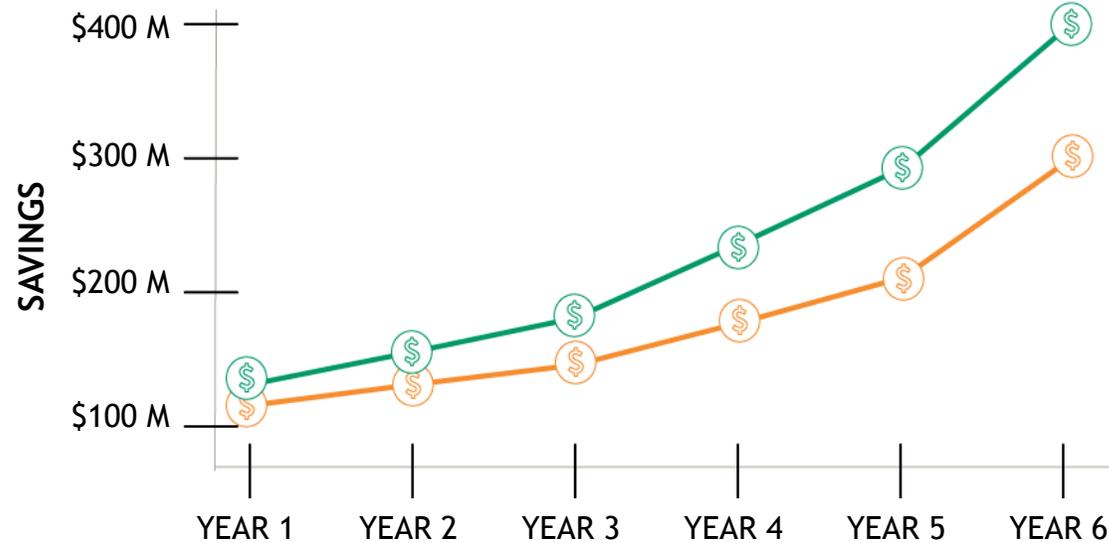
More Collaboration

# ASSET MANAGEMENT

## PAVEMENT MANAGEMENT SYSTEM STRATEGY



## \$300-400 MILLION SAVED OVER 6 YEARS

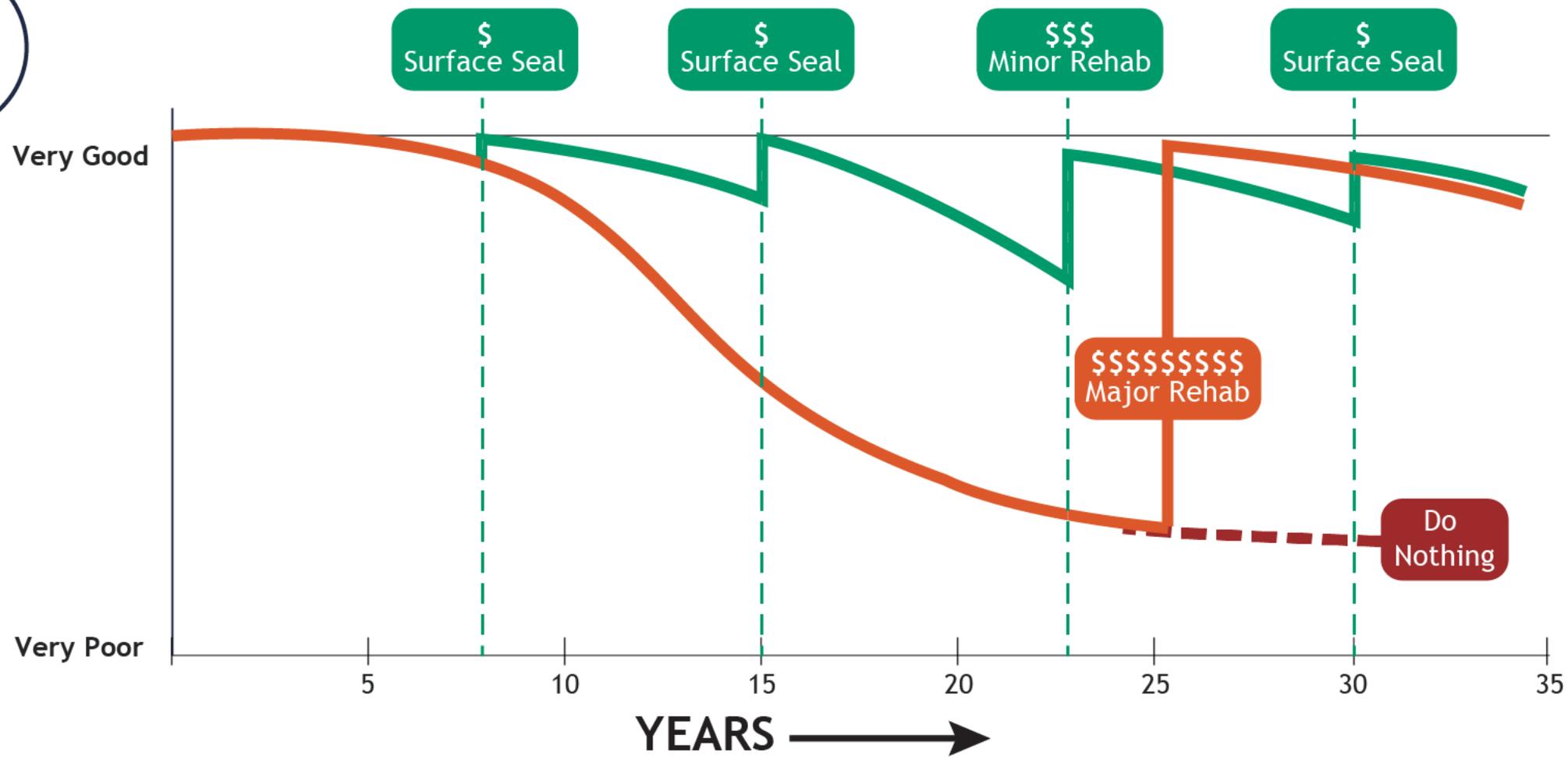


\$400 M - CURRENT PROJECTED SAVINGS  
 \$300 M - ORIGINAL PROJECTED SAVINGS

# PAVEMENT MANAGEMENT SYSTEM STRATEGY



PAVEMENT CONDITION



# MAJOR PROJECTS



# COLUMBUS CROSSROADS: I-70/I-71 PHASE 2E



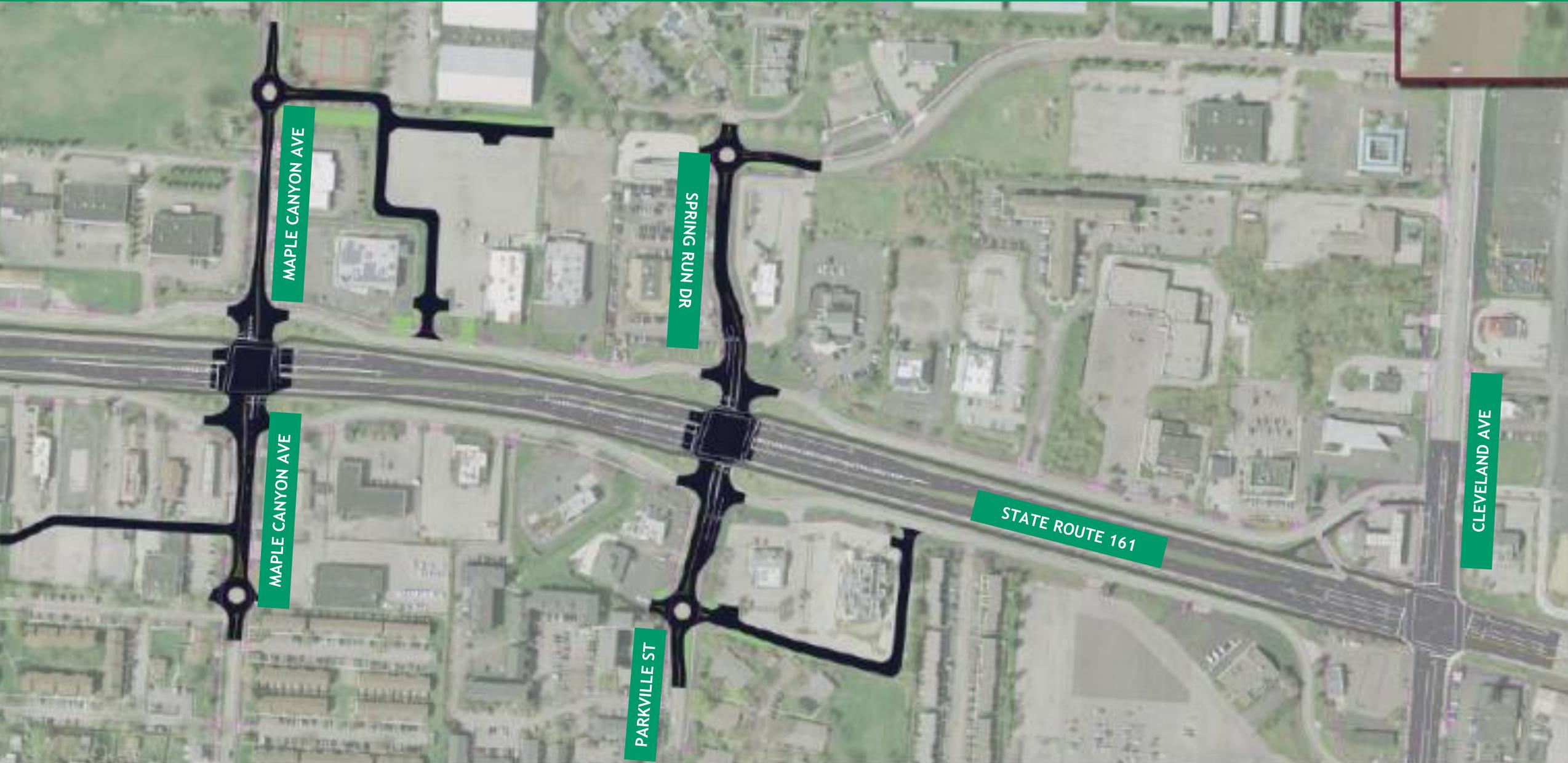
# ADDITIONAL TRAC PROJECTS 2020/2021

PROJECTS	COMMITMENT (IN MILLION)
Hamilton I-75 Mill Creek 5B	\$91
Lucas I-475/Dorr St	\$45
Cuyahoga CCG 7A	\$6
Franklin I-70/71 3B	\$33
Franklin I-70/71 4R	\$103
Montgomery US 35	\$9
<b>Total</b>	<b>\$287</b>

# PRIORITY SAFETY LOCATIONS IN FRANKLIN COUNTY

County	Location	Intersection Name
Franklin	FRA-SR-161R	SR-161 (E Dublin-Granville Rd) at CR-75 (Cleveland Ave)
Franklin	FRA-SR-317R	SR-317 (S Hamilton Rd) at CR-15 (E Livingston Ave)
Franklin	FRA-SR-16R	SR-16 (E Broad St) at CR-177 (N James Rd)
Franklin	FRA-SR-161R	SR-161 (E Dublin-Granville Rd) at MR-1300L (Maple Canyon Ave)
Franklin	FRA-SR-16R	SR-16 (E Broad St) at CR-6 (Reynoldsburg-New Alban Rd)
Franklin	FRA-SR-16R	SR-16 (E Broad St) at CR-104 (Mc Naughten Rd)
Franklin	FRA-SR-161R	SR-161 (E Dublin-Granville Rd) at CR-76 (Karl Rd)
Franklin	FRA-SR-3R	SR-3 (Westerville Rd) at CR-17 (Morse Rd)
Franklin	FRA-SR-3R	SR-3 (Cleveland Ave) at CR-93 (E Hudson St)
Franklin	FRA-US-40R	US-40 (E Main St) at SR-317 (S Hamilton Rd)
Franklin	FRA-SR-16R	SR-16 (E Broad St) at SR-317 (S Hamilton Rd)
Franklin	FRA-US-23D	US-23D (3Rd St) at US-33
Franklin	FRA-US-23R	US-23 (Portsmouth-Columbus Rd) at CR-121 (Rathmell Rd)
Franklin	FRA-US-40R	US-40R (W Broad St) at CR-25 (Wilson Rd)
Franklin	FRA-SR-16R	SR-16 (E Broad St) at CR-208 (Taylor Station Rd)
Franklin	FRA-SR-3R	SR-3 (Westerville Rd) at TR-1426 (Albert Ave)
Franklin	FRA-US-40R	US-40 (W Broad St) at TR-1879 (Murry Hill Rd)
Franklin	FRA-US-40R	US-40 (W Broad St) at CR-26 (Georgesville Rd)
Franklin	FRA-SR-16R	SR-16R (E Broad St) at MR-OUTERBELT (Outerbelt)

# SR 161 & MAPLE CANYON



MAPLE CANYON AVE

SPRING RUN DR

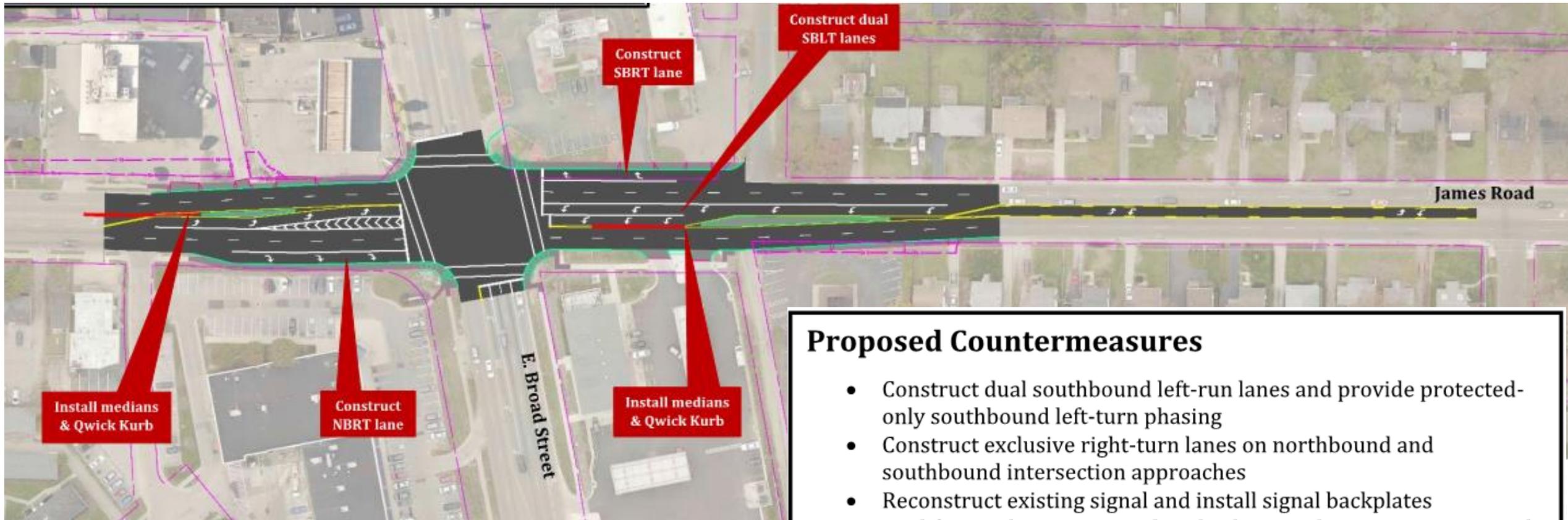
MAPLE CANYON AVE

PARKVILLE ST

STATE ROUTE 161

CLEVELAND AVE

# BROAD & JAMES

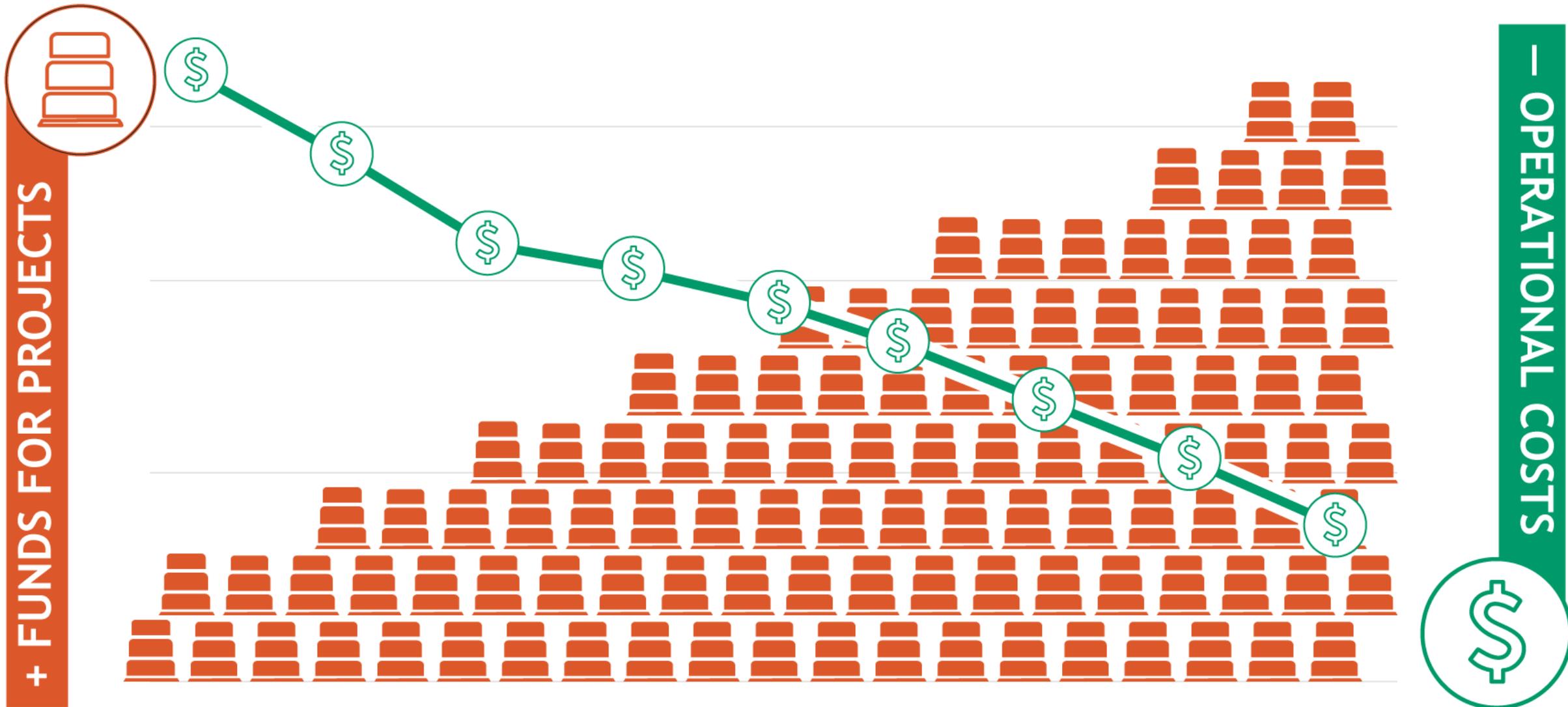


## Proposed Countermeasures

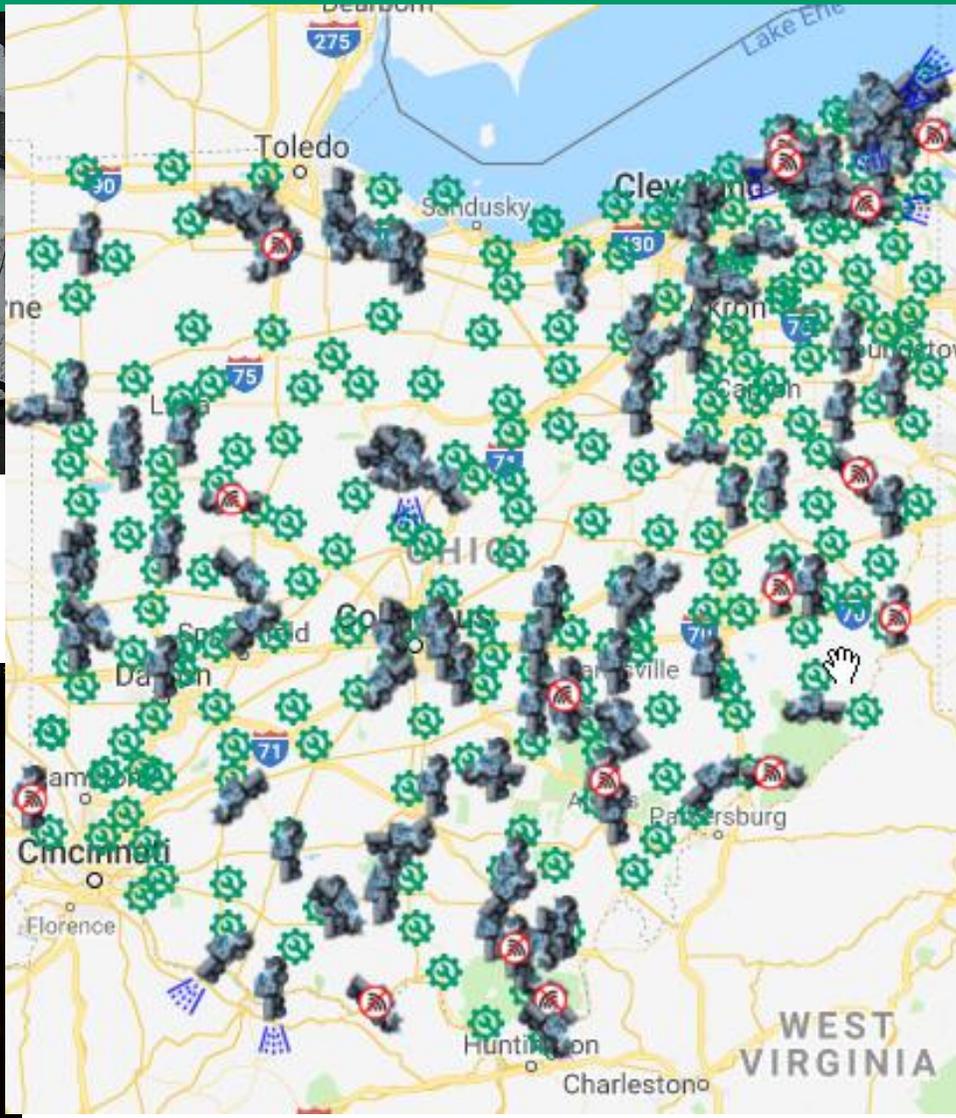
- Construct dual southbound left-run lanes and provide protected-only southbound left-turn phasing
- Construct exclusive right-turn lanes on northbound and southbound intersection approaches
- Reconstruct existing signal and install signal backplates
- Modify signal timings to reduce backups and stops on James Road approaches
- Install advanced street name signs along the southbound approach
- Install medians and Qwick Kurb along James Road

Estimated Cost = \$3.86 million (2023 dollars)

# OPERATIONAL SAVINGS = MORE PROJECTS



# REAL-TIME GPS FLEET MONITORING



# SmartLane



# QUESTIONS



**Dave Slatzer, P.E.**  
**Deputy Director Division of Construction  
Management**  
**Ohio Department of Transportation**