



TRANSPORTATION

2023 Roadway CIP Programs

1/9/23 Committee Hearing

2023 Matches & Planning Program

Project	Project Limits		Treatment	Lane Miles by District						CIP	Federal Grants	Other Sources	Total
				1	2	3	4	5	6				
10th Street	Jefferson	Madison	Reconstruction				0.20			\$ 380,649	\$ -	\$ 220,000	\$ 600,649
13th Street	Jefferson	Madison	Reconstruction				0.20			\$ 180,648	\$ 200,000	\$ -	\$ 380,648
Airport/Byrne Intersection *	Airport	Byrne	Reconstruction	1.32						\$ -	\$ -	\$ -	\$ -
Dorr/Detroit Intersection	Intersection	Intersection	Resurfacing	0.24						\$ 84,500	\$ 760,600	\$ -	\$ 845,100
Downtown Alley	Washington	Monroe	Resurfacing							\$ 140,000	\$ -	\$ 140,000	\$ 280,000
Greenbelt Extension	Galena	Columbus	Reconstruction				0.10			\$ 740,000	\$ -	\$1,000,000	\$ 1,740,000
Hawley Street	Dorr	Avondale	Reconstruction				0.50			\$ 827,912	\$ 290,888	\$ -	\$ 1,118,800
Jackman Road	Alexis	Brim	Resurfacing						1.30	\$ 376,720	\$ 629,840	\$ -	\$ 1,006,560
Lagrange Street	Greenbelt	Summit	Resurfacing				2.00			\$ 964,950	\$ 825,650	\$ -	\$ 1,790,600
Lewis Avenue	Alexis	Laskey	Reconstruction						3.00	\$ 1,458,284	\$ 4,681,256	\$ -	\$ 6,139,540
Northtowne	Telegraph	Detroit	Reclamation						5.85	\$ 376,153	\$ -	\$3,346,280	\$ 3,722,433
Ottawa River Road Roundabout	Ottawa River	108th	Reconstruction						0.15	\$ 98,000	\$ 457,830	\$ -	\$ 555,830
Safe Routes to School (WLS)	Various	Locations								\$ -	\$ 396,964	\$ -	\$ 396,964
Starr Avenue	E Broadway	Belt	Resurfacing			1.28				\$ 683,270	\$ 655,912	\$ -	\$ 1,339,182
Summit/Cherry	Intersection	Intersection	Reconstruction				0.70			\$ 955,450	\$ 2,185,150	\$ -	\$ 3,140,600
Tremainsville Road	Alexis	Laskey	Resurfacing					3.69		\$ 203,555	\$ 1,845,875	\$ -	\$ 2,049,430
Upton Avenue	Monroe	Central	Reconstruction	0.75						\$ 512,125	\$ 1,654,562	\$ -	\$ 2,166,687
Planning - Consultant Services										\$ 150,000	\$ -	\$ -	\$ 150,000
Right-of-Way Acquisition										\$ 150,000	\$ -	\$ -	\$ 150,000
Contingency (5%)										\$ 410,000			
				2.31	0.00	1.28	3.50	3.69	10.30	\$ 8,692,216	\$14,584,527	\$4,486,280	\$27,573,023
*Project & Cost being done by ODOT													

2023 Residential Roadway Program

- **Program will improve conditions of 105 roads (45.67 lane miles)**
 - Original construction budget estimate \$20,422,250
 - At the end of 2022 the road tax fund was projected to have a remaining fund balance of \$6,739,509 with a projected revenue for 2023 of \$24,402,015 for a total of \$31,141,524 of funds available
 - To utilize as much of the remaining fund balance as possible, Engineering added 2 projects, Eleanor & Angola (that were shovel ready), to the 2023 program resulting in a revised cost estimate of \$23,423,150.
 - No additional project could be designed in time to be bid with the 2023 program and inflation was certain with no way to predict
 - Bids have been received on 9 of 10 residential projects. As predicted, bids have come in higher due to inflation and \$25,400,000 will be needed to ensure completion of the 2023 program.
 - In addition to construction costs, the cost to design, manage, and complete the 2023 projects, operational costs of \$1,270,714 have been included in the 2023 operating budget
 - Engineering is planning to construct projects \$27M in 2024 which will bring fund balance at the end of 2024, utilizing as many road tax dollars as possible without exceeding the balance of the fund

2023 Residential Program Cost

2023 Residential Road Program Bids

Project	Estimate	Bid Amount	12.5% Contingency	Amount Required
Residential Resurfacing Phase 1	\$ 1,372,250.00	\$ 1,642,783.50	\$ 184,813.14	\$ 1,827,596.64
Residential Resurfacing Phase 2	\$ 2,917,750.00	\$ 3,219,770.00	\$ 362,224.13	\$ 3,581,994.13
Residential Resurfacing Phase 3	\$ 2,640,000.00	\$ 2,788,494.00	\$ 348,561.75	\$ 3,137,055.75
D1&2 Reconstruction*	\$ 2,304,000.00	\$ 2,396,160.00	\$ 299,520.00	\$ 2,695,680.00
D3&4 Reconstruction	\$ 4,272,000.00	\$ 4,442,880.00	\$ 555,360.00	\$ 4,998,240.00
D5&6 Reconstruction	\$ 3,672,000.00	\$ 3,666,262.00	\$ 458,282.75	\$ 4,124,544.75
Upton Resurfacing	\$ 876,000.00	\$ 748,724.00	\$ 93,590.50	\$ 842,314.50
Cresthaven Neighborhood Reclamation	\$ 1,427,000.00	\$ 950,563.00	\$ 118,820.38	\$ 1,069,383.38
Angola	\$ 816,000.00	\$ 1,129,927.00	\$ 141,240.88	\$ 1,271,167.88
Eleanor	\$ 1,800,000.00	\$ 1,574,115.00	\$ 196,764.38	\$ 1,770,879.38
			\$ -	\$ -
TOTAL \$	22,097,000.00	\$ 22,559,678.50	\$ 2,759,177.89	\$ 25,318,856.39

* Not yet bid, costs estimated using 2023 pricing

2023 Residential Road Program - Reconstructions

Project	Street	Project Limits		Treatment	Lane Miles by District						CIP
					1	2	3	4	5	6	
Districts 3 & 4 Reconstructions	Starr	Oak	Broadway	Reconstruction			1.00				\$ 1,200,000
	6th	Starr	Main	Reconstruction			0.32				\$ 384,000
	10th	Jefferson	Madison	Reconstruction				0.02			\$ 380,650
	Spencer	Woodsdale	Atlantic	Reconstruction			0.28				\$ 336,000
	Division	Dorr	Nebraska	Reconstruction				1.00			\$ 1,200,000
	Mayo	Pontiac	Suder	Reconstruction				0.50			\$ 600,000
	Clifford	Mayo	Chase	Reconstruction				0.10			\$ 120,000
	Warren	Irving	Bancroft	Reconstruction				0.36			\$ 432,000

2023 Residential Road Program - Resurfacing

Project	Street	Project Limits		Treatment	Lane Miles by District						CIP
					1	2	3	4	5	6	
	Angola	Wenz	Airport	Resurfacing	1.08						\$ 1,243,000
	Upton	Marne	Berdan	Resurfacing	1.46						\$ 876,000
Districts 1 & 2 Resurfacings	Christie	Gunckel	Midwood	Resurfacing	0.23						\$ 63,250
	Clarenden	Shanandoah	Potomac	Resurfacing	0.22						\$ 60,500
	Clinton	Bancroft	Oakwood	Resurfacing	0.98						\$ 269,500
	Talbot	Sherbrooke	Westland	Resurfacing	0.23						\$ 63,250
	Woolcut	Blue Rock	South Creek Ln	Resurfacing	0.20						\$ 55,000
	Aberdeen	Detroit	Opal	Resurfacing		0.64					\$ 176,000
	Birchwood	Glanzman	Heatherdowns	Resurfacing		0.56					\$ 154,000
	Brownlee	Hillcroft	N End	Resurfacing		0.14					\$ 38,500
	Dorian	Stengel	Devonshire	Resurfacing		0.77					\$ 211,750
	Farm View Ct	Bancroft	N End	Resurfacing		0.17					\$ 46,750
	Leith	Glendale	Buxton	Resurfacing		0.25					\$ 68,750
	Luddington	Holland-Sylvania	Royce	Resurfacing		0.44					\$ 121,000
	Ravenwood	Birchwood	Royal Haven	Resurfacing		0.36					\$ 99,000
	Wildwood	Glendale	E End	Resurfacing		0.57					\$ 156,750

Understanding the street list handout

Project column represents bid packages

- Color coded to easily see what road was included in each bid package
- Roads with an empty space in the project column and no color were bid as stand alone projects
- **Treatment Column provides work type**
 - Reconstruction: remove old road down to soil and construct new road
 - Reclamation: Grind up old road (asphalt only), treat with stabilizing agent, resurface the stabilized base
 - Resurface: Mill off 3 ¼" of asphalt and place new asphalt
- **Cost per lane mile by treatment type**
 - Resurfacings: \$275,000 (\$340,000)
 - Reclamations: \$500,000 (\$500,000)
 - Reconstructions: \$1,200,000 (\$1,350,000)
- City CIP column represents budget estimate
 - Treatment cost per lane mile x lane miles = budget estimate

Engineering Budget and Funding Sources

- Engineering & Construction Management performs capital work on roads, sidewalks, watermain, sanitary lines, storm lines, and ditches. Thus the division's operating budget is funded by the following 7 funding sources:
- General Fund (1001), Special Assessment (3050), CIP (5040), Road Tax (5045), Water Operating (6060), Sewer Operating (6070), and Storm Water Operating (607A)
- Salaries and benefits are paid by the funding source attached to each position (FTE)
- FTE's are attached to positions based upon the job duties performed by the FTE
- The non-personnel operating expenses are budgeted for by the percentage of FTE's in each fund
- The operating budget resulting from these standard budgeting methods is shown in the table below

2023 Proposed Budget - Engineering

Fund	Operating	Capital	Total
1001 - General Fund Total	\$ 291,634	\$ -	\$ 291,634
3050 - Special Assessment Total	\$ 274,212	\$ 2,000,000	\$ 2,274,212
5040 - Capital Improvement Project Total	\$ 4,820,886	\$ 15,450,000	\$ 20,270,886
5045 - Roadway Tax Improvement Total	\$ 1,270,714	\$ 27,500,000	\$ 28,770,714
6060 - Water Operating Total	\$ 1,592,720	\$ 5,500,000	\$ 7,092,720
6070 - Sewer Operating Total	\$ 2,241,669	\$ 2,300,000	\$ 4,541,669
607A - Storm Water Operating Total	\$ 1,049,761	\$ 1,190,000	\$ 2,239,761
	\$ 11,541,596	\$ 53,790,000	\$ 65,481,596

- Note that only 4.4% of the total Roadway Tax Improvement funds are used for the operating budget. The lowest percentage of any of other fund that utilizes capital for construction projects.

Breakdown of Operating Budget as Related to the Roadway Tax Improvement Fund

- Of the overall roadway tax budget (\$29,120,714) only **0.13%** (\$39,150) is used to cover the rent necessary to provide the building space necessary to complete the residential roadway program, while 94.4% of all funds go directly to construction costs

Fund	Rent
1001 - General Fund Total	\$ 13,050.00
3050 - Special Assessment Total	\$ -
5040 - Capital Improvement Project Total	\$ 234,900.00
5045 - Roadway Tax Improvement Total	\$ 39,150.00
6060 - Water Operating Total	\$ 52,200.00
6070 - Sewer Operating Total	\$ 65,250.00
607A - Storm Water Operating Total	\$ 30,450.00
	\$ 435,000.00



Thank you.

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