



Proposed 2024 Road Program

Supervisors

Bill Jones, Chair

Stephanie Shortall, Vice - Chair

Greg Hood

Cynthia Jones

MaryBeth McCabe, Esq.



MEMO

TO: Board of Supervisors, John Granger
FROM: Michael Walsh & Ryan Cressman
DATE: October 12, 2023
RE: 2024 Road Program

The Board of Supervisors has communicated the need to develop a multi-year paving program and has authorized Township staff to establish a modern data-driven plan. The Township has contracted with Roadbotics by Michelin, specializing in GIS mapping technology that will enable New Britain Township to assess and manage the Township's road networks objectively.

Given the need to develop a Road Program for the current year, Township staff developed a two-year road program in 2023 to help the Township span the gap until a more comprehensive three-year data-driven road program is fully developed. This two-year road program allowed staff the time to provide the proper notifications to Township residents living on the roads included in the 2024 Road Program.

Per Resolution 2016-27, "Approximately 12-14 months prior to the paving of a Township road under the Township's Annual Road Program, an inspection shall be completed of all curbing, curb ramps, sidewalks, paths, trails, driveway aprons, gutters, and swales located within the right-of-way of that road; each property owner shall be notified in writing of any deficiencies discovered and will be given 12-months to obtain a permit to complete the required work and come into compliance."

Residents affected by the 2024 Road Program received two notifications in July and August 2023.

Past practice by the Township has been to fund the annual road paving program through the state's liquid fuels money, with an additional \$100,000 from the General Fund for supplemental in-house paving work. The Township has a Liquid Fuels Fund cash account balance of \$824,863 as of August 31, 2023. Township staff anticipates receiving approximately \$407,348 of state liquid fuel funds in 2024 as planned for in the 2024 Final Budget. This would give the Township an estimated \$1,332,211 for use in 2024.

Staff Recommendation:

Approve the 2024 Road Program and authorize the advertisement of the 2024 Road Program for January 2024.



2024 Road Program



New Britain Township

Road Program

2024 Summary

The 2024 Road Program would consist of milling 1 ½”, scratching/ leveling ½”, and paving a top course with 1 ½” of 9.5mm Superpave. Any deficient curbing and sidewalks throughout these developments would need to be addressed by the residents prior to any milling and paving. All residents will be notified not less than 12 months prior to their road being paved. All ADA ramps (handicap ramps) would be upgraded at the necessary intersections by New Britain Township to meet all federal and state regulations. All costs associated with milling, scratching, and paving, as well as the ADA ramps would be funded through Liquid Fuels. All curbing, sidewalk, and driveway apron costs are not eligible to be paid from Liquid Fuels and would need to be funded through the General Fund.

The roadways included in this project are:

- Glen Drive 0.33 Miles
- Marshall Circle 0.08 Miles
- Brook Lane 0.14 Miles
- Britain Wood Circle 0.15 Miles

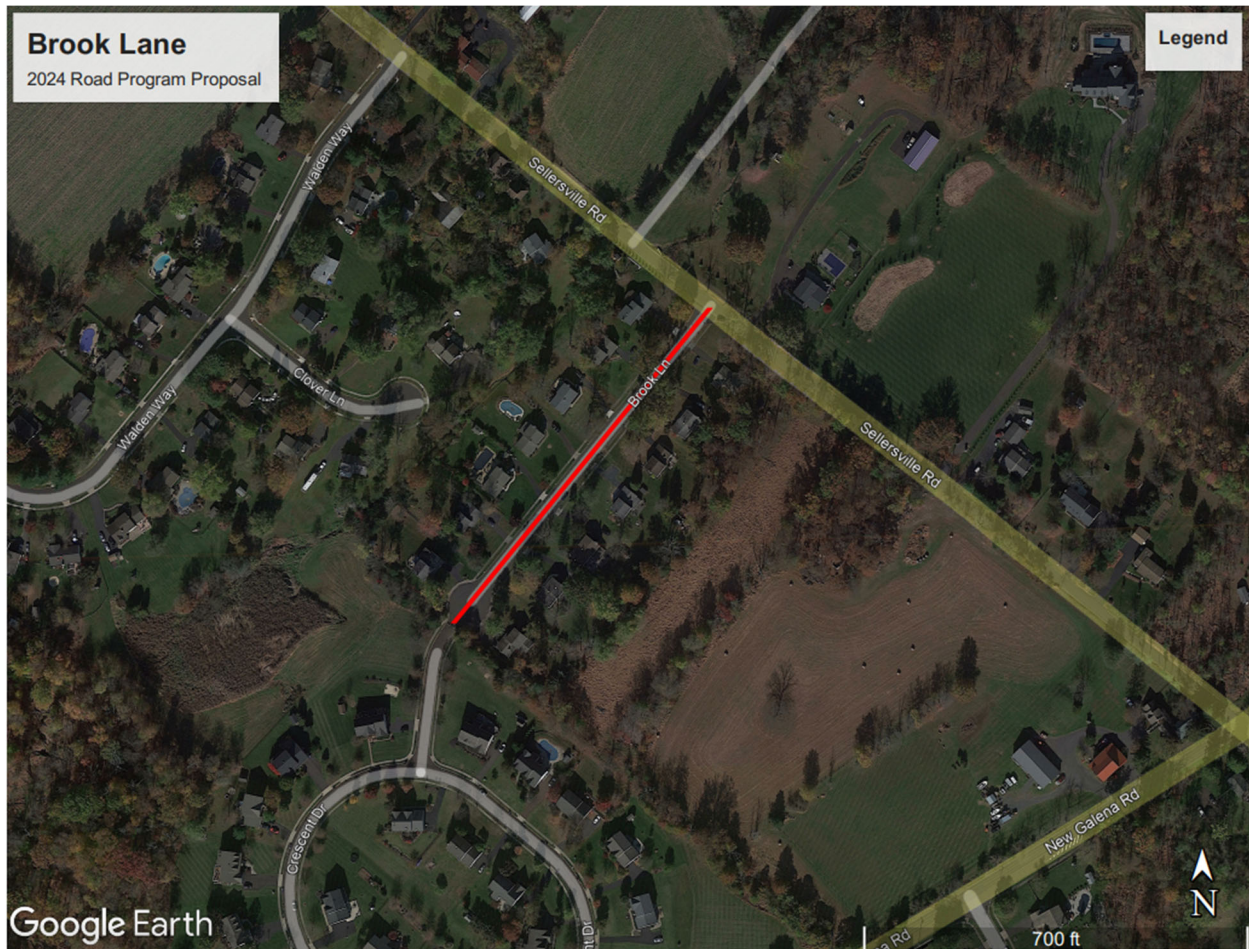
2024 Road Program would total 0.70 Miles



Road Breakdown

Street Name	From	To	Miles
Brook Lane	Sellersville Road	Cul-de-sac	0.14

Description	Quantity	Cost
1.5" Mill (Sq Yds)	2464.00	\$ 7,697.95
0.5" Scratch Course (Tons)	73.92	\$ 8,444.13
1.5" Superpave Course (Tons)	221.76	\$ 25,502.40
Curbs (LF)	461.00	\$ 60,083.67
Sidewalks (Sq Ft)	0.00	\$ -
Aprons (Sq Ft)	0.00	\$ -
ADA Ramps (Sq Ft)	230.00	\$ 10,315.50
Total		\$ 112,043.64

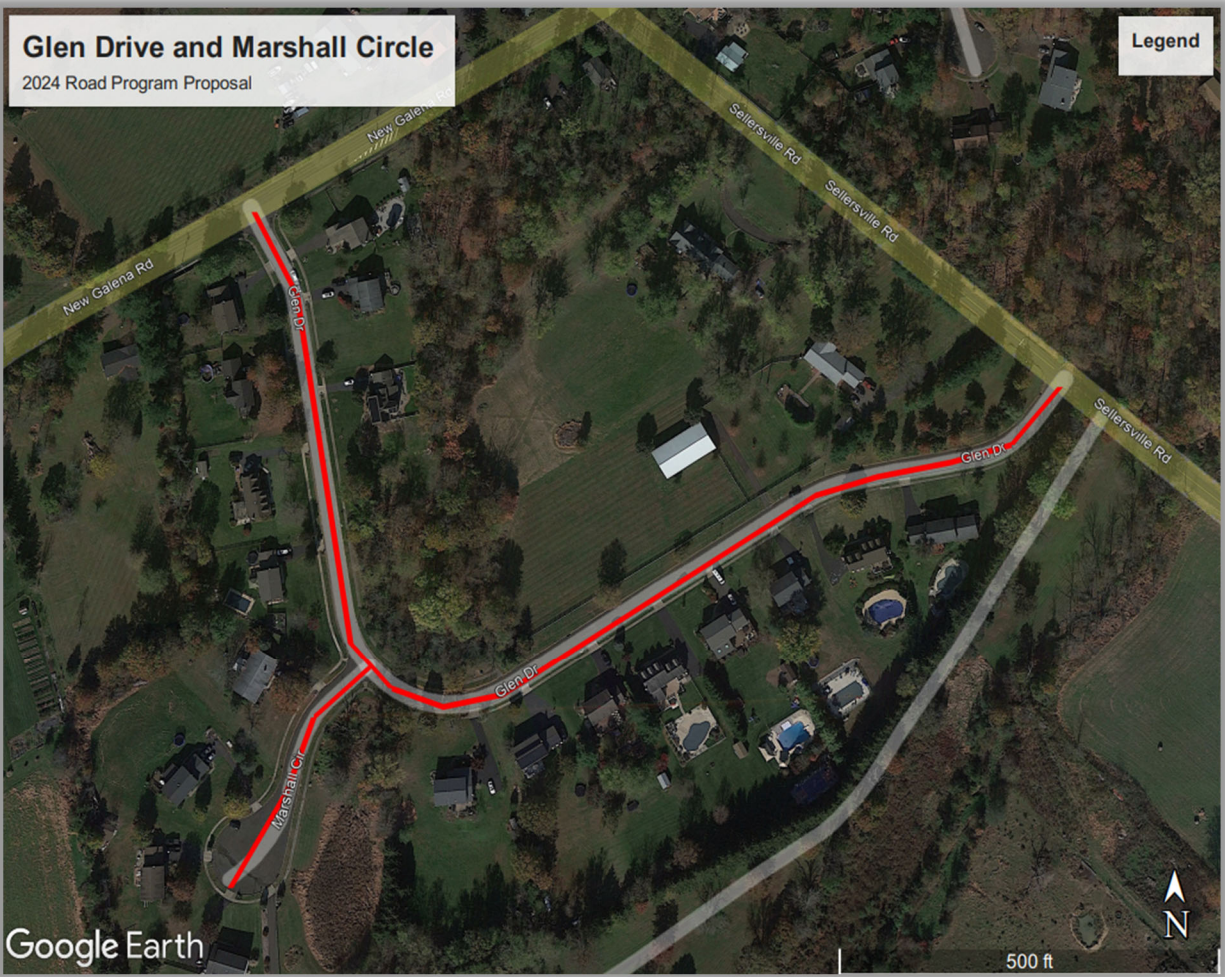


Street Name	From	To	Miles
Glen Drive	Sellersville Road	Marshall Circle	0.21

Description	Quantity	Cost
1.5" Mill (Sq Yds)	3696.00	\$ 11,546.92
0.5"Scratch Course (Tons)	110.88	\$ 12,666.19
1.5" Superpave Course (Tons)	332.64	\$ 38,253.60
Curbs (LF)	216.00	\$ 28,152.00
Sidewalks (Sq Ft)	0.00	\$ -
Aprons (Sq Ft)	0.00	\$ -
ADA Ramps (Sq Ft)	345.00	\$ 15,473.25
Total		\$ 106,091.96

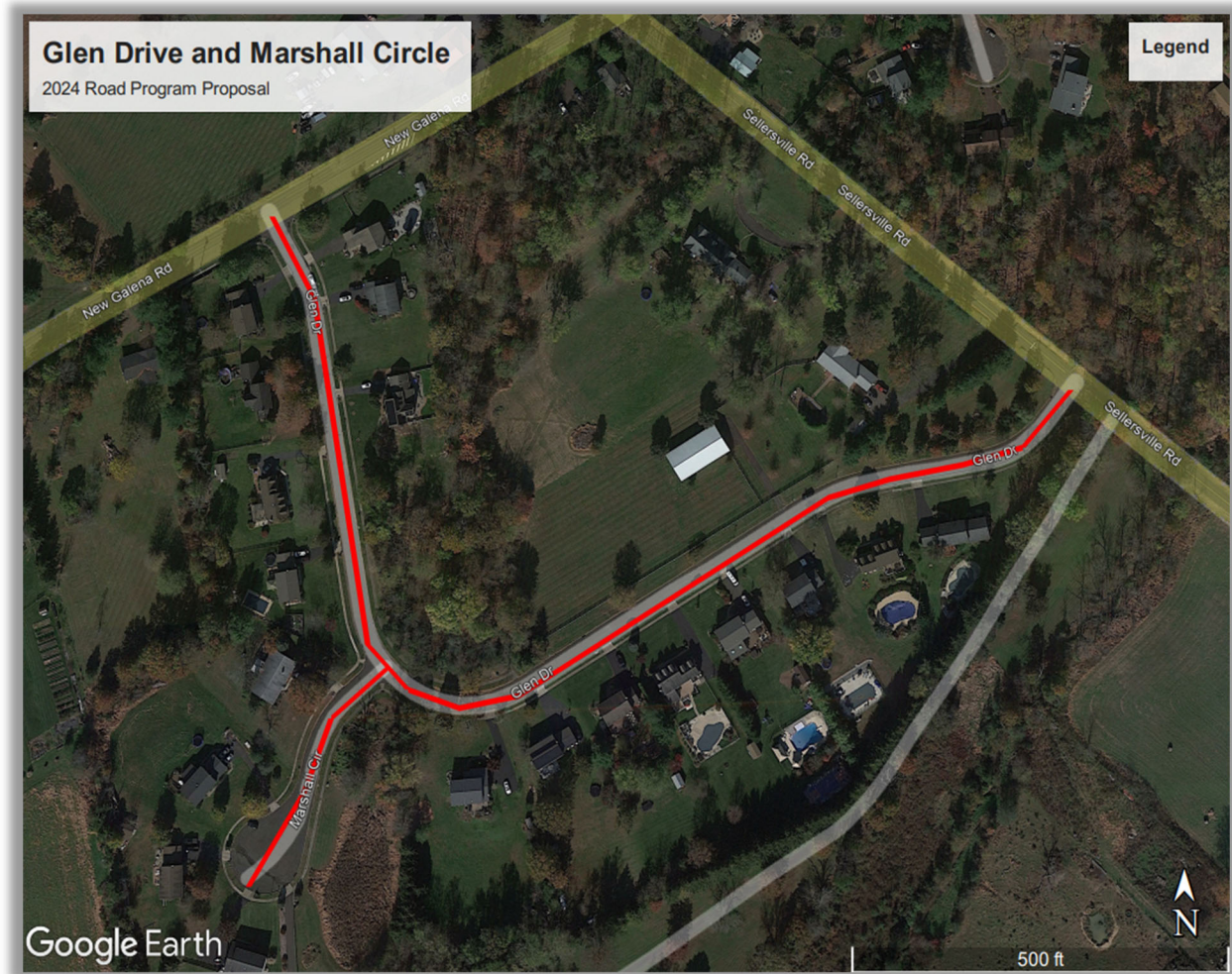
Street Name	From	To	Miles
Glen Drive	Marshall Circle	Sellersville Road	0.12

Description	Quantity	Cost
1.5" Mill (Sq Yds)	2112.00	\$ 6,598.24
0.5"Scratch Course (Tons)	63.36	\$ 7,237.82
1.5" Superpave Course (Tons)	190.08	\$ 21,859.20
Curbs (LF)	108.00	\$ 14,076.00
Sidewalks (Sq Ft)	0.00	\$ -
Aprons (Sq Ft)	0.00	\$ -
ADA Ramps (Sq Ft)	345.00	\$ 15,473.25
Total		\$ 65,244.51



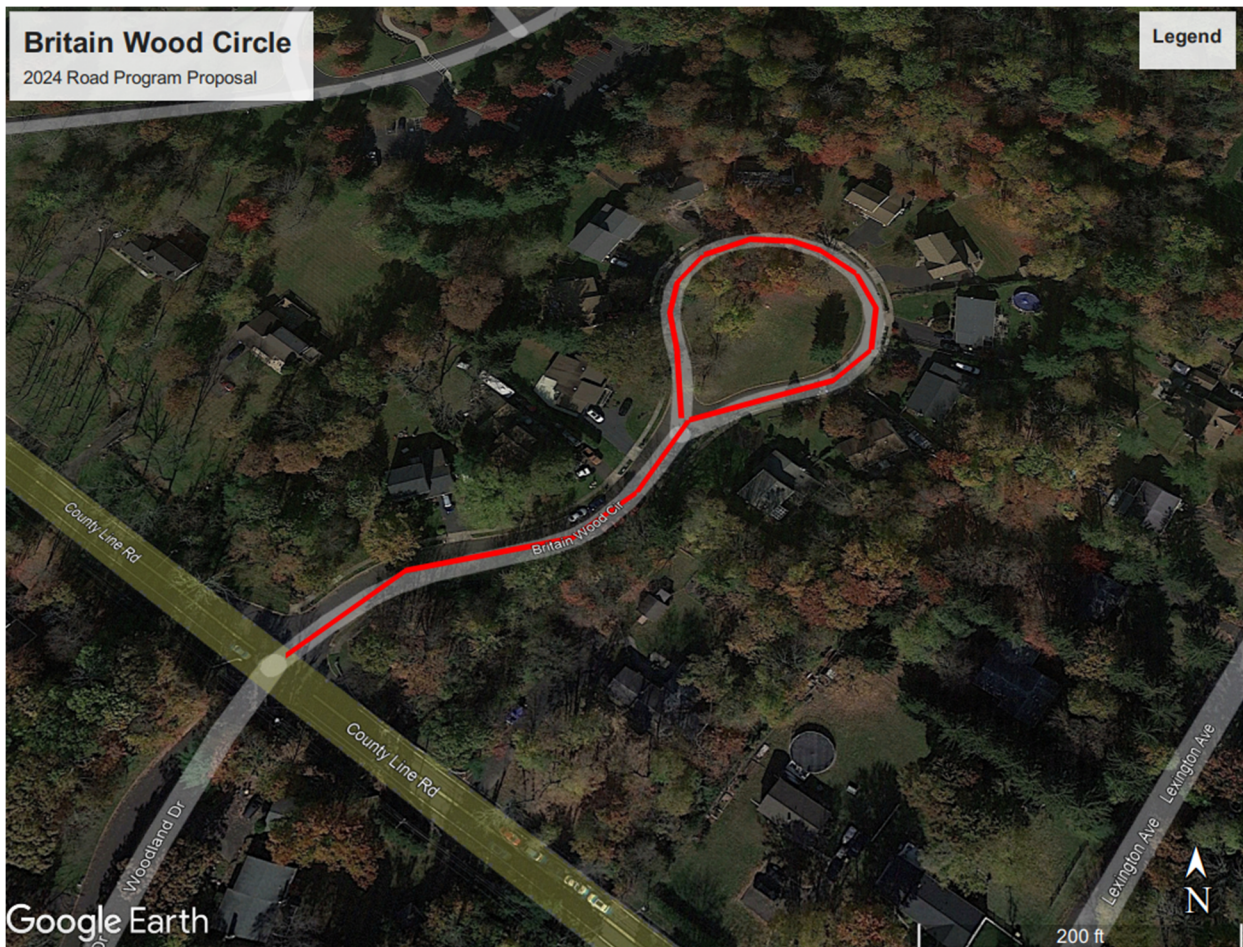
Street Name	From	To	Miles
Marshall Circle	Glen Drive	Cul-de-sac	0.08

Description	Quantity	Cost
1.5" Mill (Sq Yds)	1408.00	\$ 4,398.83
0.5" Scratch Course (Tons)	42.24	\$ 4,825.22
1.5" Superpave Course (Tons)	126.72	\$ 14,572.80
Curbs (LF)	117.00	\$ 15,249.00
Sidewalks (Sq Ft)	0.00	\$ -
Aprons (Sq Ft)	0.00	\$ -
ADA Ramps (Sq Ft)	0.00	\$ -
Total		\$ 39,045.84



Street Name	From	To	Miles
Britain Wood Circle	County Line Road	Cul-de-sac	0.15

Description	Quantity	Cost
1.5" Mill (Sq Yds)	2640.00	\$ 8,247.80
0.5" Scratch Course (Tons)	79.20	\$ 9,047.28
1.5" Superpave Course (Tons)	237.60	\$ 27,324.00
Curbs (LF)	158.00	\$ 20,592.67
Sidewalks (Sq Ft)	0.00	\$ -
Aprons (Sq Ft)	0.00	\$ -
ADA Ramps (Sq Ft)	230.00	\$ 10,315.50
Total		\$ 75,527.25



2024 Cost Summary*

Description	Total Cost
1.5" Mill (Sq Yds)	\$ 38,489.73
0.5" Scratch Course (Tons)	\$ 42,220.64
1.5" Superpave Course (Tons)	\$ 127,512.00
Curbs (LF)	\$ 138,153.33
Sidewalks (Sq Ft)	\$ -
Aprons (Sq Ft)	\$ -
ADA Ramps (Sq Ft)	\$ 51,577.50

Total Paving Costs	\$ 208,222.37
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Total Concrete Costs	\$ 189,730.83
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*All curb concrete/resident costs are based on an inspection from 2023.

Liquid Fuels Fund – Expenses

Total Eligible Cost	\$ 259,799.87
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Total Ineligible Costs**	\$ 138,153.33
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**Curbs, Sidewalks, & Driveway Aprons are not eligible expenses for Liquid Fuels Funds.