

Township of Verona

2021 NJDOT

▶ Local Aid Grant

Roadway Reconstruction and Storm Sewer Drainage
Improvements of the following public streets.

Balston Drive

Windemere Road

Whitney Terrace

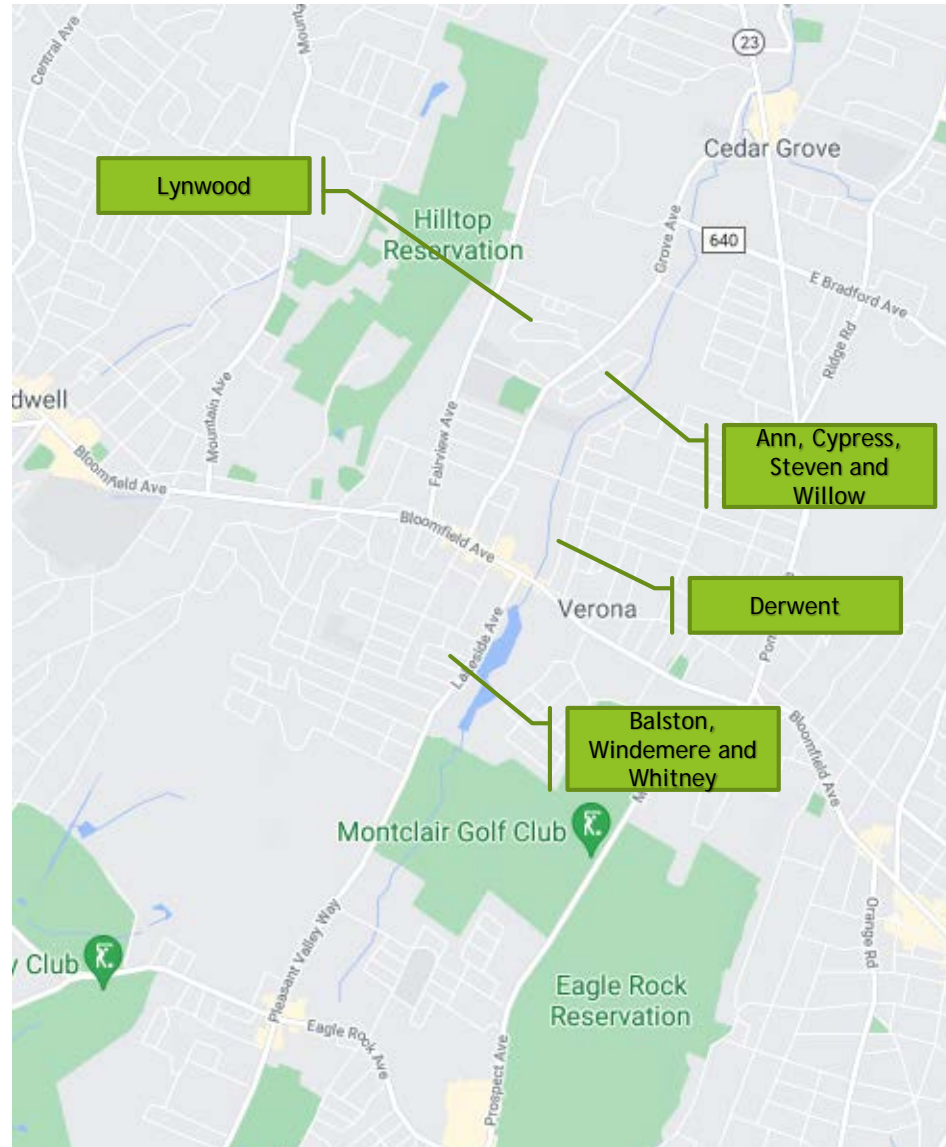
Recent Reconstructions

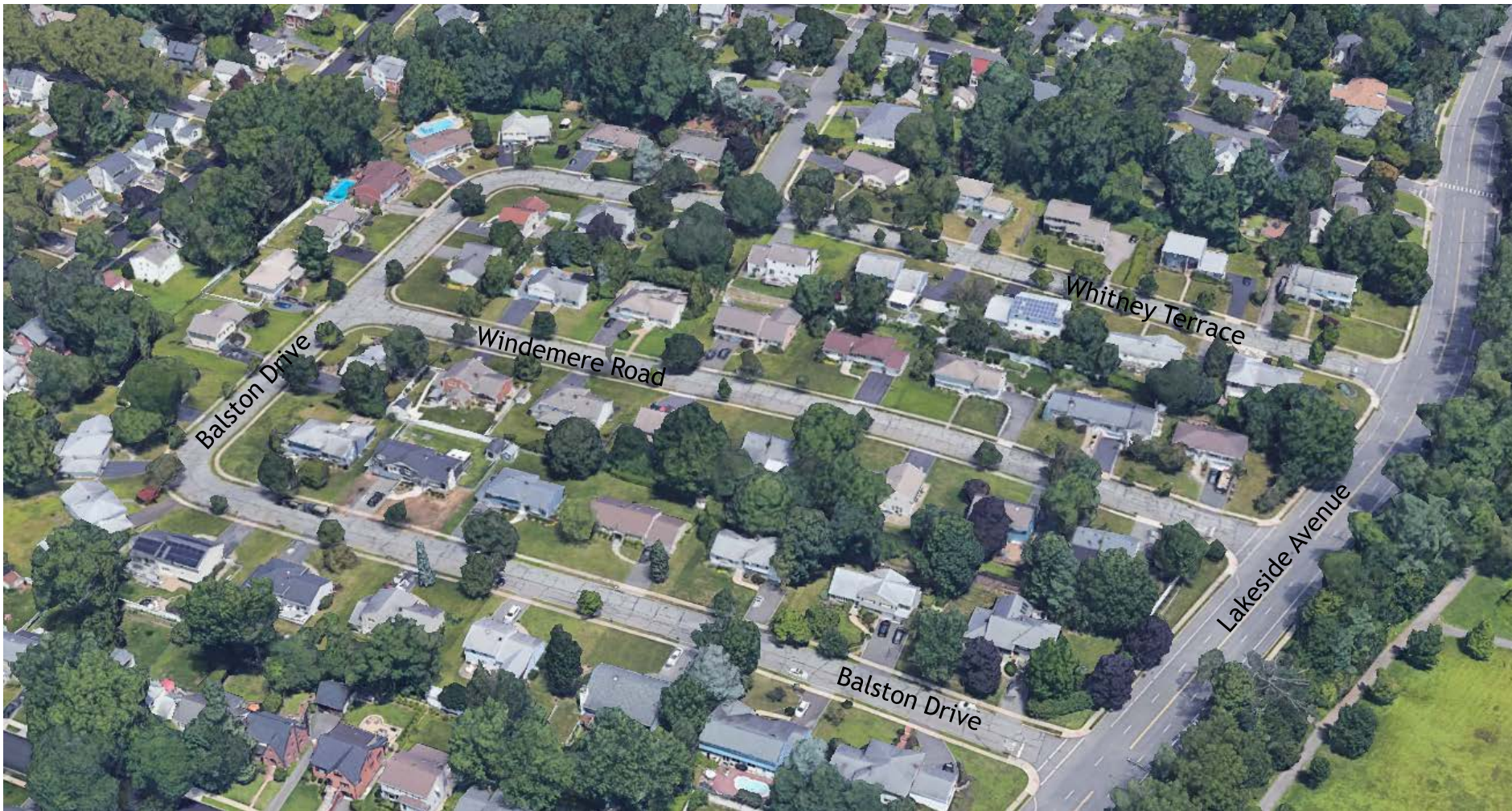
Over the last several years the Engineering Department and Department of Public Works have identified four remaining areas within the Township that have public roadways which have not been fully reconstructed. These areas (developments) are;

- ❑ Lynwood Road (Currently under construction)
NJDOT Grant: \$525,000
- ❑ Ann Street, Cypress Avenue, Steven Ave and Willow Terrace. (Spring-Summer 2022)
NJDOT Grant: \$525,000
- ❑ Derwent Avenue (Spring-Summer 2022)
NJDOT Grant: \$505,000
- ❑ Balston Drive, Windemere Road and Whitney Terrace. (Spring-Summer 2023)
NJDOT Grant: Pending.

Reconstruction will typically consist of :

- ❑ Full depth pavement replacement where required.
- ❑ Removal of concrete curb and installation of new block curb.
- ❑ New sidewalks and ADA access ramps where required.
- ❑ New driveway aprons.
- ❑ Drainage improvements
- ❑ Removal and replacement of large invasive trees





Total Length of all roadways = 0.65 miles or 3,168 linear feet

This development services 54 homes

Site Condition Photos



Overgrown Trees



Distressed Pavement



Distressed Pavement

Site Condition Photos



Collapsed Inlet - Non-NJDEP Approved Curb Pieces
Non Bicycle Safe Grates





Engineer's Estimate

Township of Verona
Balston Drive, Windemere Drive, & Whitney Terrace
2022 NJDOT Grant Application

ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL
GENERAL WORK					
1	MOBILIZATION	LS	LS	\$20,000.00	\$20,000.00
2	CLEARING SITE	LS	LS	\$20,000.00	\$20,000.00
3	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	LS	\$1,500.00	\$1,500.00
4	CONSTRUCTION LAYOUT	LS	LS	\$1,500.00	\$1,500.00
5	UTILITY COORDINATION	LS	LS	\$1,000.00	\$1,000.00
6	PARKING AND MATERIAL STORAGE	ALLOW	ALLOW	\$1,000.00	\$1,000.00
7	INLET FILTERS, TYPE 1	UNIT	16	\$250.00	\$4,000.00
8	CONSTRUCTION SIGNS	SF	250	\$10.00	\$2,500.00
9	CONSTRUCTION IDENTIFICATION SIGNS, 18" X 36"	UNIT	6	\$250.00	\$1,500.00
10	DRUMS	UNIT	50	\$50.00	\$2,500.00
11	TREE REMOVAL, OVER 24" TO 36", IF AND WHERE DIRECTED	UNIT	5	\$2,000.00	\$10,000.00
ROADWAY, CURBING & ADA					
12	HMA MILLING, 2" OR LESS	SY	10,200	\$8.00	\$81,200.00
13	HOT MIX ASPHALT 9.5M84 SURFACE COURSE	TON	1,350	\$125.00	\$168,750.00
14	HOT MIX ASPHALT 9.5M84 LEVELING COURSE	TON	250	\$125.00	\$31,250.00
15	EXCAVATION, TEST PIT, IF AND WHERE DIRECTED	CY	5	\$100.00	\$500.00
16	EXCAVATION, UNCLASSIFIED, IF AND WHERE DIRECTED	CY	100	\$50.00	\$5,000.00
17	9" X 18" CONCRETE VERTICAL CURB	LF	160	\$35.00	\$5,600.00
18	GRANITE BLOCK CURB	LF	5,800	\$35.00	\$203,000.00
19	CONCRETE DRIVEWAY, 6" THICK, IF AND WHERE DIRECTED	SY	225	\$105.00	\$23,625.00
20	CONCRETE SIDEWALK, 4" THICK, IF AND WHERE DIRECTED	SY	360	\$85.00	\$30,600.00
21	HOT MIX ASPHALT DRIVEWAY 5" THICK	SY	175	\$35.00	\$6,125.00
22	DETECTABLE WARNING SURFACE	SY	8	\$500.00	\$4,000.00
23	FUEL PRICE ADJUSTMENT	ALLOW	ALLOW	\$1,000.00	\$1,000.00
24	ASPHALT PRICE ADJUSTMENT	ALLOW	ALLOW	\$1,000.00	\$1,000.00
25	FULL DEPTH REPAIR, IF AND WHERE DIRECTED	SY	500	\$75.00	\$37,500.00
26	TRAFFIC STRIPES, 4" THICK	LF	300	\$5.00	\$1,500.00
27	TRAFFIC STRIPES, 12" THICK	LF	45	\$15.00	\$675.00
28	TRAFFIC MARKINGS	SF	100	\$15.00	\$1,500.00
UTILITIES					
29	RECONSTRUCTED INLET, TYPE B, USING NEW CASTING	UNIT	16	\$3,500.00	\$56,000.00
30	BICYCLE SAFE GRATES	UNIT	12	\$850.00	\$10,200.00
31	8" HDPE STORM PIPE	LF	3,500	\$25.00	\$87,500.00
32	15" REINFORCED CONCRETE PIPE	LF	500	\$85.00	\$42,500.00
33	24" REINFORCED CONCRETE PIPE	LF	200	\$125.00	\$25,000.00
34	CURB PIECE	UNIT	12	\$550.00	\$6,600.00
35	RESET MANHOLE, SANITARY SEWER, USING NEW CASTING	UNIT	15	\$1,500.00	\$22,500.00
36	RECONSTRUCTED MANHOLE, USING NEW CASTING	UNIT	55	\$2,000.00	\$110,000.00
37	SANITARY SEWER REPAIRS, IF AND WHERE DIRECTED, 10' LENGTH, 10' DEPT	UNIT	2	\$5,000.00	\$10,000.00
38	VIDEO INSPECTION OF SEWER	LF	3500	\$2.50	\$8,750.00
39	SUMP PUMP & LEADER CONNECTIONS	UNIT	50	\$500.00	\$25,000.00
40	RESET WATER VALVE BOX	UNIT	25	\$500.00	\$12,500.00
41	RESET GAS VALVE BOX	UNIT	25	\$500.00	\$12,500.00
TREES AND PLANTINGS					
42	LARGE DECIDUOUS TREE, IF AND WHERE DIRECTED	UNIT	10	\$500.00	\$5,000.00
43	TOP SOILING, 4" THICK	SY	2000	\$5.00	\$10,000.00
44	FERTILIZING & SEEDING, TYPE A-3	SY	2000	\$4.00	\$8,000.00
45	STRAW MULCHING	SY	2000	\$3.00	\$6,000.00
STREET SIGNS					
46	GUIDE SIGN, TYPE GA, BREAKAWAY SUPPORTS	SF	100	\$25.00	\$2,500.00
SUBTOTAL					\$1,108,875.00
15% INSPECTION					\$110,887.50
TOTAL					\$1,219,762.50

Projected Costs

Engineer Estimate

\$1,219,762.50

Anticipated Grant

\$500,000.00

This project would be the last major reconstruction project of a roadway within the Township. All other roadways have been completed. A paving matrix will be established to review all streets for milling and paving on a rotating 5 year basis.

All major reconstruction of streets include video inspection of both the sanitary and storm sewer infrastructure.