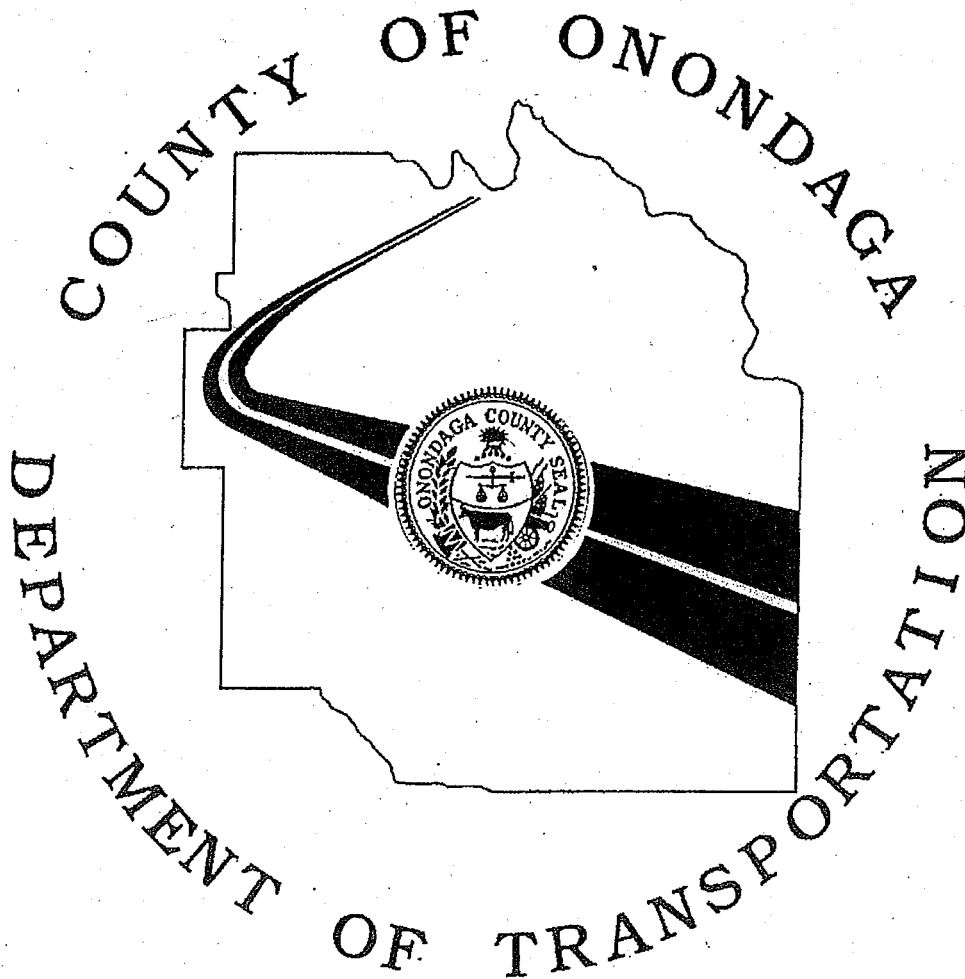


2023 HIGHWAY PLAN



J. RYAN MCMAHON, II
COUNTY EXECUTIVE

MARTIN E. VOSS
COMMISSIONER

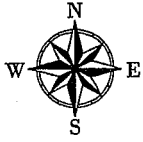
4/19/2022

**Department of Transportation
2023 Highway Work Plan**

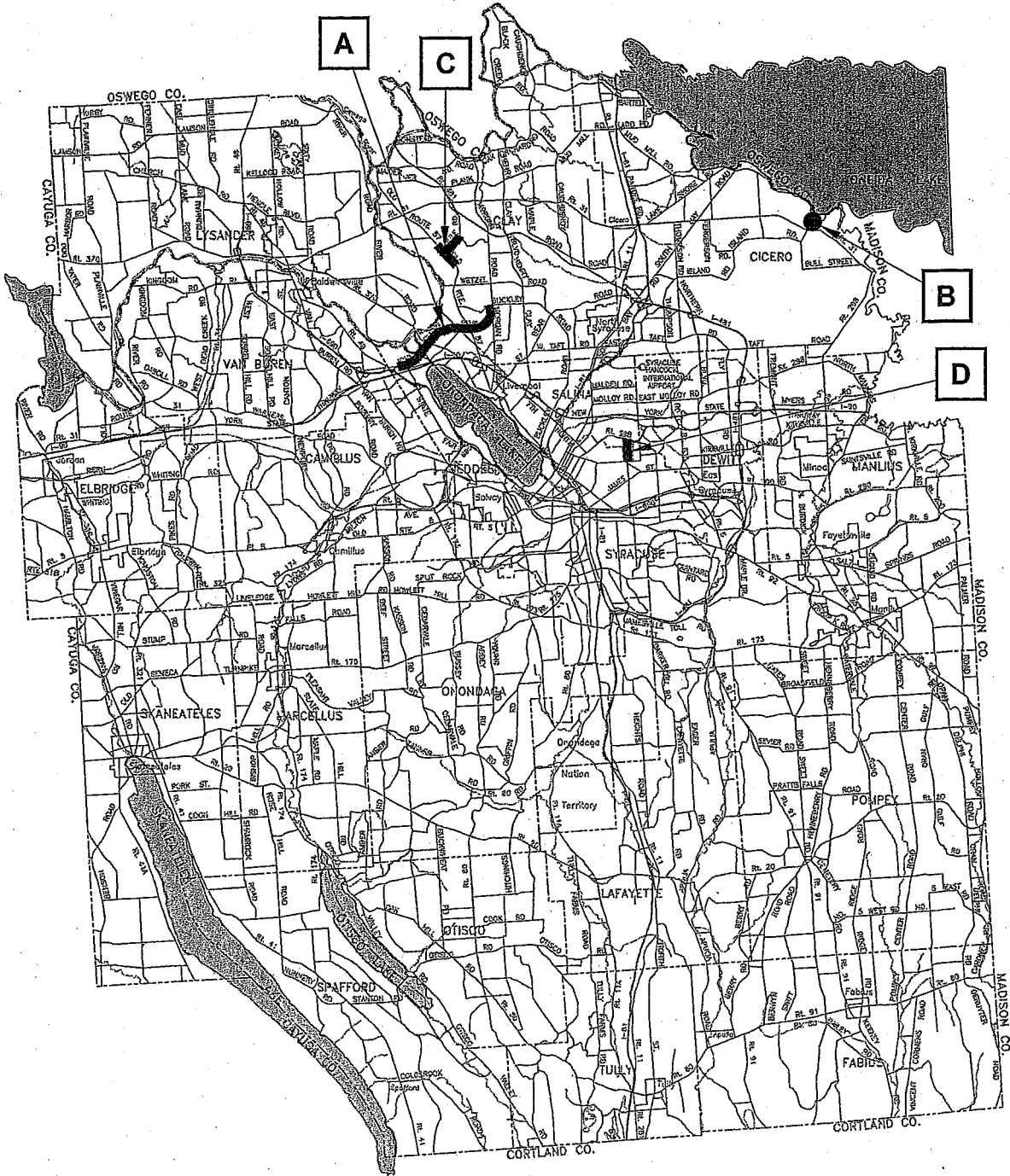
Projects	2023 Operating Budget	2023 CHIPS**	Bond Issue	Federal/ State / Others Aid	Totals
<u>County Capital Projects</u>					
Marcellus Maintenance Shop Sewer Repairs	\$50,000				\$50,000
<u>Federal Aid Projects</u>					
Canalways Trail - Salina Extension, Ph 2, Constr	\$1,365,000			\$9,120,000	\$11,400,000
John Glenn Eastbound 2R Paving, Constr				\$915,000	
Lakeshore Road Bridge over Nine Mile, Constr					
Old Liverpool Road 2R Paving, Add'l Constr					
Route 57 & Soule Road 2R, Constr					
Teall Ave Ped. & Safety Improv, Design & ROW Incidentals					
<u>Traffic System Management</u>					
Traffic Signal Upgrades	\$365,000				\$365,000
<u>Cold Mix Bituminous Reconstruction</u>					
11.63 Miles at \$300,000 per Mile	\$1,390,000	\$2,099,000 **			\$3,489,000
Treating 19.65 Centerline Miles Goal is 18.75 Equivalent Miles					
<u>Bridges</u>					
Cedarvale Road C-57	\$1,580,000				\$1,580,000
Fremont Road C-906 BIN 3358210					
Oak Orchard Road C-123					
Willowdale Road C--79					
<u>Hot Mix Bituminous Paving</u>					
26.76 Miles at \$300,000 per Mile	\$3,340,000	\$4,688,000 **			\$8,028,000
Treating 35.97 Centerline Miles Goal is 45 Equivalent Miles					
<u>Guiderail</u>					
	\$600,000				\$600,000
<u>Bituminous Surface Treatment</u>					
40.00 Miles at \$40,000 per Mile Goal is 75 Centerline Miles	\$1,600,000				\$1,600,000
<u>Testing</u>					
	\$110,000				\$110,000
<u>Drainage</u>					
	\$500,000				\$500,000
<u>Facilities Repair</u>					
	\$100,000				\$100,000
2023 TOTALS	\$11,000,000	\$6,787,000		\$10,035,000	\$27,822,000

NOTE: Numbers refer to locations on attached maps and descriptions.

** CHIPS (Consolidated Highway Improvement Program) was implemented in New York State in June 1982 and was designed to replace revenues previously derived from New York State Motor Fuel and New York State Vehicle License Registration fees.



2023 Locally Administered Federal Aid Projects & Bridges



HIGHWAY PROJECTS

Projects under this category would encompass major highway improvements including, traffic mobility to ease congestion, accident reduction to improve safety, reconstruction to alleviate maintenance costs, necessary maintenance and replacement of signage and traffic equipment and right of way acquisitions for the needed improvements.

Marcellus Maintenance Shop Sewer Repairs

The Department of Transportation's Marcellus Maintenance Facility is supported by a private sanitary septic system for sewer collection and discharge. Due to septic system limitations, DOT is unable to wash the DOT fleet with the necessary chemicals needed to maximize their useful life. In addition, reoccurring fees for septic tank cleanout are required. The goal of this project is to connect this DOT facility to the Town of Marcellus public sewer system. This will simplify daily operations, reduce fees, and result in a better maintained fleet of vehicles.

The project consists of design and construction phases. The work includes a new sanitary sewer system extending approximately 650-feet, connecting to the Town of Marcellus public sewer system. Excavation, backfill, new structures and pipe, and pavement repairs will be required in order to complete the work. Easements will also be required to acquire the necessary property rights for the sewer improvements.

The design will be completed in 2023, to accomplish this project, \$50,000 is estimated for the design phase and \$450,000 for the construction and inspection phase.

Detailed work includes excavating across the parking lot from the tank location and installing pipe. An easement will be required from the Marcellus Fire Department. The construction phase will be accomplished with future funding.

PROJECT COST:

\$50,000

LOCALLY ADMINISTERED FEDERAL AID PROJECTS

The Onondaga County Department of Transportation is required to administer and oversee all Federal Highway Transportation funding used for highway purposes. The following is a list of projects in which the local matching share is being funded through this workplan.

- A. John Glenn Boulevard EB 2R Paving Project– This project, in the Towns of Salina and Clay will repave the Eastbound lanes of John Glenn Boulevard C.R. No. 81 between the New York State Route 690 off Ramp to Buckley Road, a distance of 3.90 miles with a two course treatment and will improve ride quality and safety in the project area and make drainage improvements to maintain the County’s investment in the highway.

Improvements are proposed which will include all necessary guiderail, pavement, shoulder, drainage facilities, signing, striping, sidewalks and crosswalks.

The Legislature previously authorized \$850,000 (\$170,000 County Share) for the design and Right of Way phases of the project as part of a multi-year funding plan. The estimate to construct the project currently stands at \$4,000,000 and is scheduled for a 2027 letting. Additional funding will be necessary as part of the 2024 Workplan.

This project will be a “LOCALLY ADMINISTERED FEDERAL AID PROJECT” with a financial cost breakdown for Construction of 80% Federal, 15% State, 5% County.

PROJECT COST:	COUNTY SHARE	\$ 50,000
	STATE SHARE	\$ 150,000
	FEDERAL SHARE	\$ 800,000
	TOTAL	\$1,000,000

- B. Lakeshore Road Bridge over Maple Creek, Bridge C-7 BIN 3312800– This project, in the Town of Cicero will rehabilitate the existing Concrete Beam Structure supported on concrete abutments founded on spread pilings.

Improvements are proposed include placing a water proof membrane over the deck along with an asphalt overlay. Also, substructure concrete repairs of the abutments and wingwalls will be completed. The existing guiderail does not meet current standards and will be replaced.

The Legislature previously authorized \$350,000 (\$70,000 County Share) for the design and Right of Way phases of the project as part of a multi-year funding plan. The preliminary estimate to construct the project currently stands at \$1,000,000 and is scheduled for a 2026 letting. Additional funding may be necessary as part of a future Workplan.

This project will be a “LOCALLY ADMINISTERED FEDERAL AID PROJECT” with a financial cost breakdown for Construction of 80% Federal, 15% State, 5% County.

PROJECT COST:	COUNTY SHARE	\$ 50,000
	STATE SHARE	\$ 150,000
	FEDERAL SHARE	\$ 800,000
	TOTAL	\$1,000,000

C. Old Route 57 at Soule Road 2R Paving Project– This project, in the Town of Clay will repave Old Route 57 C.R. No. 91 between Pine Hollow Drive and Calder Court and Soule Road between Old Route 57 and Fairways East Drive, a distance of 1.52 miles with a two course treatment and will improve ride quality and safety in the project area and make drainage improvements to maintain the County’s investment in the highway.

Improvements are proposed which will include all necessary guiderail, pavement, shoulder, drainage facilities, signing, striping, sidewalks and crosswalks.

The Legislature previously authorized \$750,000 (\$150,000 County Share) for the design and Right of Way phases of the project as part of a multi-year funding plan. The estimate to construct the project currently stands at \$4,000,000 and is scheduled for a 2026 letting. Additional funding will be necessary as part of the 2024 Workplan.

This project will be a “LOCALLY ADMINISTERED FEDERAL AID PROJECT” with a financial cost breakdown for Construction of 80% Federal, 15% State, 5% County.

PROJECT COST:	COUNTY SHARE	\$ 50,000
	STATE SHARE	\$ 150,000
	FEDERAL SHARE	\$ 800,000
	TOTAL	\$1,000,000

D. Teall Avenue Pedestrian and Safety Improvements– This project, in the Town of Salina will inlay Teall Avenue, C.R. No 228 from Grant Boulevard in the City of Syracuse to NYS Rt. 298 (Court Street), a distance of 0.80 miles.

The City and County are partnering to advance this project. It will construct sidewalk and dedicated bike lanes on both sides of the roadway made possible by a road diet, reducing from four travel lanes to two 11-foot lanes + one 13-foot Two Way Left Turn Lane, allowing for 5-foot sidewalk and 4-foot dedicated bicycle lanes - both sides of road. The project includes two course overlay or inlay, enclosed drainage replacement and new traffic signals at Arterial Road, Galster Street and Grant Boulevard resulting in full ADAAG compliance; approximately 0.80 miles in length.

The estimate to design and construct the project currently stands at \$5,500,000 and is scheduled for a 2026 construction letting. The funds being added to the workplan will fund Design and Right of Way costs. Additional funding will be necessary as part of future Workplans.

This project will be a “LOCALLY ADMINISTERED FEDERAL AID PROJECT” with a financial cost breakdown for Construction of 80% Federal, and 20% County.

PROJECT COST:	COUNTY SHARE	\$ 260,000
	FEDERAL SHARE	\$ 1,040,000
	TOTAL	\$1,300,000

Miscellaneous Locally Administered Federal Aid Projects

The following projects will be under various stages of scoping, preliminary design, construction and right of way acquisition in 2023 and 2024:

	FEDERAL SHARE	STATE SHARE	COUNTY SHARE
• Canalways Trail Salina Extension PH 2 Construction	\$3,200,000	\$0	\$800,000
• Old Liverpool Road Paving Add'l Construction	\$2,480,000	\$465,000	\$155,000

TRAFFIC SYSTEMS MANAGEMENT

The Traffic System Management Program provides funds to upgrade safety and traffic mobility at various Onondaga County highway intersections.

2023 Traffic Signal Upgrades – The purpose of this ongoing program is to maintain and upgrade our existing system of over 100 three colored traffic signals.

The following signals are scheduled for: Electrical Service upgrade, camera detection system, Cabinet and controller upgrades:

- Morgan Road At Wetzel Road
- Kasson Road at West Genesee Street
- Hinsdale Road at West Genesee Street
- Old Route 57 (Oswego Road) at Glenn Crossing

The following signals are scheduled for: Electrical Service upgrade, overhead equipment, cabinet, controller and camera detection system replacement:

- Old Route 5 (West Genesee Street) at Camillus Commons
- Old Route 5 (West Genesee Street) at Vanida Drive

PROJECT COST:

\$ 365,000

COLD MIX BITUMINOUS RECONSTRUCTION - See Attached Paving List on page 12

Beginning in 2007 and continued through 2022 and now 2023, the Department increased the use of "Pavement Preservation Techniques". These are lower cost initiatives whose goals are to prolong the life cycle of the highways. The idea of this program is to keep the highways which are presently in "good" condition in the same condition. In other words, keep the good roads good. These projects are marked with asterisks on the project lists. In 2023, the Department will continue to mimic the NYSDOT's "Forward Four" program by employing Pavement Preservation Techniques on at least 80% of our maintenance paving projects.

The Cold Mix Bituminous Reconstruction Program was instituted in 1980 to restore badly deteriorated highways on our approximately 375 mile long low volume highway system. Highways eligible for this program have deteriorated to the point where less expensive pavement preservation types and rehabilitation strategies would not be effective.

The work consists of the replacement of drainage pipes and structures as required, ditches are regraded and cleaned, the existing pavement is shimmed, milled or reclaimed, graded and compacted. Finally, a course of cold mix bituminous pavement and a bituminous surface treatment is applied to provide a roadway with a minimum fifteen year expected life span. See attached list on page 12.

Work will be accomplished by a combination of County and Contract forces in 2023.

PROJECT COST: \$ 3,489,000

LOCAL BRIDGES

The following bridges will be replaced or repaired in 2023 and 2024. The County of Onondaga Department of Transportation has progressed design with consultant forces, and construction will be done in 2023 by County forces except where noted.

- A, Cedarvale Road, C.R. No. 43, County Bridge C-57 – is located in the Town of Onondaga on Cedarvale Road over the tributary to West Branch Onondaga Creek. The original concrete structure was built in 1926 and was extended in 1984. The existing bridge has a low condition rating based on county inspections and will be replaced with a new 4-sided box culvert structure.

The survey and design were performed by consultant forces in 2022 and the county forces will undertake construction in the summer of 2023.

Project Cost: \$280,000

- B. Fremont Road, C.R. No. 136, County Bridge C-906, BIN 3358210 – is located in the Town of Manlius and carries Fremont Road over CSX Railroad. The 6 span, 720 feet long structure underwent major rehabilitation in 2014 but the current state biannual inspection reveals deficiencies that need attention. The following scope of work is proposed: joint replacement, washing & sealing, scuppers cleaning and pavement repairs.

The design and bid documents preparation will be performed by the consultant and the construction is scheduled for the summer of 2023 with the contract forces.

Project Cost: \$400,000

- C. Oak Orchard Road, C.R. No. 187, County Bridge C-123 – is located in the Town of Clay and carries Oak Orchard Road over Youngs Creek. The original concrete structure was built in 1939 and was extended in 1966. The existing bridge has a low condition rating based on county inspections and will be scheduled for replacement in 2024.

The design and bid documents preparation will be performed by the consultant and the construction is scheduled for the summer of 2024 with the contract forces.

Project Cost: \$250,000

- D. Willowdale Road, C.R. No. 26, County Bridge C-79 - is located in the Town of Spafford and carries Willowdale Road over Hillside Brook. The existing structure was built in 1930 and has a low condition rating based on county inspections. The concrete arch structure has deteriorated beyond the point of repair and will be replaced.

The Legislature previously authorized \$200,000 for the construction work on this bridge. The current estimate to complete the construction is \$300,000.

Project Cost: \$100,000

- E. County Bridge Design – Various Bridges throughout the County will be designed by consultant forces through our on call design contract.

PROJECT COST: \$200,000

- F. County Bridge Repair, Stream Cleaning, Maintenance Cleaning and Sealing - will be done on various structures as required for maintenance purposes and for repairs to elements on County bridges that do not meet the requirements for bonding.

PROJECT COST: \$350,000

HOT MIX BITUMINOUS PAVING - See Attached Paving List on page 14

Beginning in 2007 and continued through 2022 and now 2023, the Department increased the use of "Pavement Preservation Techniques". These are lower cost initiatives whose goals are to prolong the life cycle of the highways. The idea of this program is to keep the highways which are presently in "good" condition in the same condition. In other words, keep the good roads good. These projects are marked with asterisks on the project lists. In 2023, the Department will continue to mimic the NYSDOT's "Forward Four" program by employing Pavement Preservation Techniques on at least 80% of our maintenance paving projects.

The Paving Program is reserved for high traffic volume County highways. The Department of Transportation has determined that it is cost effective to periodically repave the wearing surface on its highways. This procedure extends the life of the roadway, thereby protecting the County's investment. The repaving procedure provides additional skid resistance and waterproofs the base. Prior to the resurfacing, many of these highways are first trued and leveled to restore a proper crown. The shoulders on all highways under this program are stabilized with asphalt concrete.

This year's program is funded with a combination of Capital Project funds and State funding through the CHIPs program. See attached list on page 14.

PROJECT COST: \$ 8,028,000

GUIDE RAIL

This project is designed to upgrade existing substandard guide rail and install guide rail in various locations on county highways to improve safety and reduce liability. Work will be performed as a cooperative project by the Department of Transportation and contract forces.

PROJECT COST: \$ 600,000

BITUMINOUS SURFACE TREATMENT - See Attached List on page 16

The annual bituminous surface treatment program is designed to preserve and extend the life of pavement on the County's low volume highway system. The intent is to treat eligible highways on a five-year rotation basis. At the very minimum, the Cold Mix Bituminous Paving projects included in this plan must be surface treated. See attached list on page 16.

PROJECT COST: \$ 1,600,000

TESTING

The Department of Transportation began the development of its Pavement Management System in 1984. By 1987, the implementation of the program for high volume highways was completed with 428.75 miles in the system. An annual update program was instituted to maintain the accuracy of the database. In 1991, the update program continued, but with the budgetary problems plaguing county government, the Department was forced to look for more efficient ways to manage the limited funds available. It was felt that by incorporating the "secondary" county highways into the pavement management system, a savings could be realized in both the surface treatment and cold-mix paving programs. In 1995, the 375-mile secondary system was incorporated into the study.

In 2023, work will continue to update the secondary highway program together with the annual update of the primary highway pavement management program.

Funding shown includes other testing activities to be performed in 2023 including tests on aggregates, liquid bituminous materials, concrete and other materials used in highway and bridge construction as well as pavement cores and testing.

PROJECT COST: \$ 110,000

DRAINAGE

Storm sewer systems, catch basins and culverts will be installed and/or replaced at various sites on County highways in 2023 in an effort to maintain the pavement structure by insuring proper surface and subsurface drainage. Many of the corrugated steel pipe systems installed between 30 and 50 years ago are deteriorating and require replacement. New high density polyethylene (HDPE) pipe, with an almost unlimited lifespan is being installed in its place.

PROJECT COST: \$ 500,000

FACILITIES REPAIR

The Onondaga County Department of Transportation owns and maintains four highway maintenance facilities in various locations throughout the County. This funding will be used to perform capital repairs to these facilities.

PROJECT COST: \$100,000

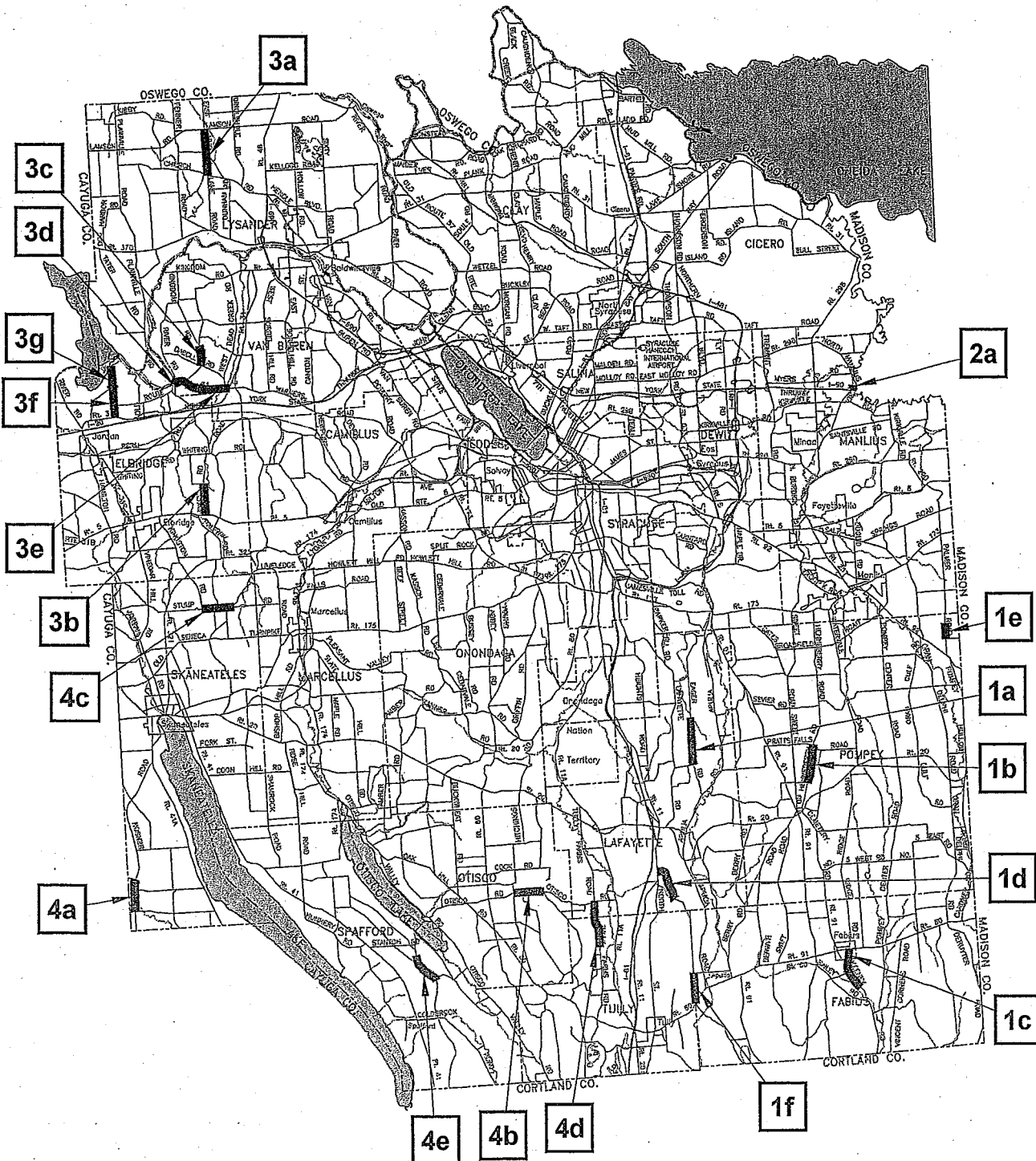
**Onondaga County Department of Transportation
2023 Cold Mix Reconstruction List**

Road	C.R. No.	Location	Centerline Miles	Equivalent Miles
Section 1				
1a Eager Road***	232	Riedy Hill Road to 1.5 miles north (Repairs & ST)	1.50	0.48
1b Henneberry Road***	182	Way Road to Pratts Falls Road (CIPR)	1.22	0.82
1c Keeney Road***	108	0.5 miles north of Bailey Road to New York State Route 80 (Repairs & ST)	1.40	0.47
1d Meeker Hill Road	79	New York State Route 11 to Sky High Road	1.16	1.16
1e Palmer Road	169	Owahgena Road to .5 mile north	0.50	0.42
1f SkyHigh Road***	79	New York State Route 80 to Daley Road (CIPR)	1.00	0.75
		Section Total	6.78	4.10
Section 2				
2a North School Road***	115	North Manlius Road to Dead End	0.15	0.15
		Section Total	0.15	0.15
Section 3				
3a East Mud Lake Road***	180	Church Road to Lamson Road (Repairs & ST)	1.50	0.45
3b Fikes Road***	120	New York State Route 5 to Fowler Road (Repair & ST)	1.00	0.30
3c Kingdom Road***	120	Perry Road to Daball Road	0.64	0.40
3d Old Route 31***	84	Plainville Road to 1.0 mile east (Ultra Thin)	1.08	0.65
3e Old Route 31***	84	New York State Route 31 to 1.0 mile west (Ultra Thin)	1.08	0.65
3f Stevens Road***	165	New York State Route 31 to Grimes Road (Repairs & ST)	0.98	0.30
3g Stevens Road***	165	Grimes Road to County Maintenance Line (Repairs & ST)	0.76	0.25
		Section Total	7.04	3.00
Section 4				
4a Benson Road	117	Reynolds Road to New York State Route 38A	1.03	0.77
4b Otisco Road***	246	Blue Hole Road to Barker Street (Repairs & ST)	1.00	0.44
4c Stump Road	176	Kingston Road to Shepard Road	1.05	0.82
4d Tully Farms Road	234	Otisco Road to 1.5 miles south	1.50	1.05
4e Willowdale Road	26	0.3 miles north of Becker Rd to Moonhill Road (CIPR)	1.10	1.30
		Section Total	5.68	4.38
		County Total Miles	19.65	11.63

Note: Numbers refer to locations on the attached map.
 *** Pavement Preservation Program
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2023 Cold Mix Paving



**Onondaga County Department of Transportation
2023 Hot Mix Paving List**

Road	C.R. Number	Location	Pavement Width (Feet)	Shoulder Width** (Feet)	Centerline Miles	Two Lane Equivalent Miles
Section 1						
1a Apulia Road***	2	New York State Route 173 to Coye Rd (Mill/Inlay)	22	4	0.80	0.48
1b County Garage Road	267	New York State Route 91 to parking lot (Pave 3")	22	4	0.30	0.30
1c Coye Road	144	Eager Road to Lafayette Road (Mill 1.5" Pave 3")	22	4	0.80	0.80
1d Old Coye Road	144	Coye Road to Lafayette Road (Mill 3" Pave 4")	20	3	0.20	0.20
1e North Road***	111	1.7 miles north of the Village Line to 1.7 miles north	22	4	1.70	1.02
1f Nottingham Road***	6	Lewiston Drive to Drumlins Terrace (S entrance)	22	4	0.77	0.49
1g Salt Springs Road***	132	New York State Route 257 to North Eagle Village Road (Binder 1/2)	22	4	1.65	1.32
Section Total					6.22	4.61
Section 2						
2a Fremont Road***	136	New York State Route 298 to East Taft Road	22	4	0.90	0.54
2b Henry Clay Boulevard***	121	New York State Route 481 Bridge to RailRoad Tracks	24	8	1.40	1.12
2c James Street***	53	New York State Route 290 to Kinne Street	22	4	0.50	0.30
2d Kinne Street***	53	Kirkville Road to James Street	22	4	0.36	0.22
2e LeMoyn Avenue	219	Railroad Tracks to City Line (Pave 3")	48	2	0.33	0.66
2f Morgan Road***	46	Interstate 481 Bridge to RxC Tracks	22	6	1.14	0.91
2g North Kirkville Road	53	Saintsville Road to County Line (Pave 3")	22	4	0.62	0.62
2h Northern Boulevard SB***	82	New York State Route 298 to 0.25 mile south of East Taft Road (Ultra Thin)	24	8	1.75	1.26
2i Northern Boulevard NB***	82	New York State Route 298 to 0.25 mile south of East Taft Road (Ultra Thin)	24	8	1.75	1.26
2j Oak Orchard Road***	187	Henry Clay Boulevard to Caughdenoy Road (Ultra Thin)	22	5	1.40	0.84
2k South Bay Road***	208	500' south of Bear Road to Taft Road (Ultra Thin)	22	8	1.53	1.29
2l VerPlank Road***	141	Morgan Road to 1.43 miles west (Ultra Thin)	22	4	1.43	0.86
2m Wetzel Road at Morgan Road	252/46	Wetzel Road / Morgan Road Intersection (Pave 3")	48	6	0.78	1.30
Section Total					13.89	11.18
Section 3						
3a Bennett Road***	190	New York State Route 5 Ramp to Warners Road (Mill/Inlay)	22	4	0.87	0.52
3b Canton Street***	31	Brickyard Road to Turner Road (Mill/Inlay)	22	6	1.65	1.10
3c Herman Road***	118/216	VanBuran Road to Energy Drive	22	8	1.10	0.84
3d Lamson Road***	34	County Line to Plainville Road	22	4	0.98	0.98
3e Newport Road	36	Canal Road to 1.25 mile south (Pave 3")	22	5	1.25	1.25
3f Plainville Road***	30	Lamson Road to 0.95 mile south	22	4	0.95	0.57
3g Walters Road	221	Winchell Road to VanBuran Road (Binder)	22	6	0.58	0.25
Section Total					7.38	5.51
Section 4						
4a Amber Road	44	Collins Road to Tanner Road (Binder)	22	4	1.43	0.57
4b Cedarvale Road***	39	Howlett Hill Road to New York State Route 175	22	4	1.80	1.03
4c Griffin Road	172	New York State Route 80 to Cole Road (Mill 3" Pave 4")	20	3	0.91	0.99
4d Oak Hill Road	23	Otisco Road to Kahm Road (Pave 3")	22	4	1.45	1.45
4e Onondaga Boulevard***	240	Fay Road to New York State Route 173	22	5	0.42	0.30
4f Otisco Valley Road	24	Sawmill Road to Masters Road (Binder)	22	4	1.82	0.73
4g Stump Road***	176	Vinegar Hill Road to New York State Route 321	20	4	0.65	0.39
Section Total					8.48	5.46
County Total Miles					35.97	26.76

Note: Numbers refer to locations on the attached map.

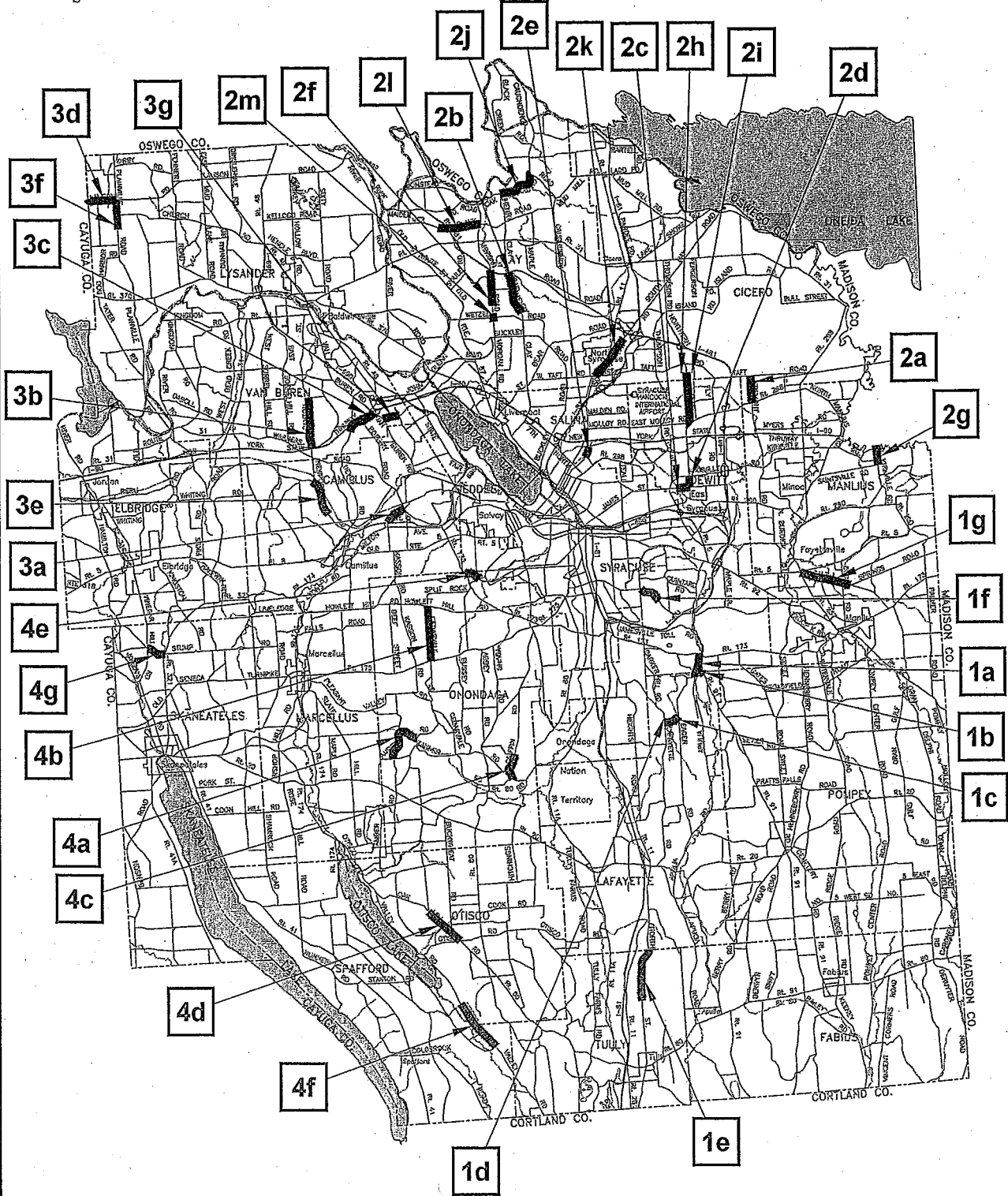
** - Shoulder widths to be verified in the field before paving begins

*** Denotes Pavement Preservation Program

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2023 Hot Mix Paving



**Onondaga County Department of Transportation
2023 Bituminous Surface Treatment List**

Road	C.R. No.	Location	Centerline Miles
Section 1			
1a Berry Road	186	0.2 miles north of Clark Hollow Road to Stebbins Road (CIPR)	1.50
1b Berwyn Road	114	Hunters Crossings Road to New York State Route 80 (CIPR)	0.80
1c Cemetery Road	170	United States Route 20 to Number Four Road	0.82
1d Eager Road***	232	Riedy Hill Road to 1.5 miles north (Repairs & ST)	1.50
1e Henneberry Road***	182	Way Road to Pratts Falls Road	1.22
1f Keeney Road***	108	0.5 miles north of Bailey Road to New York State Route 80	1.40
1g Meeker Hill Road***	79	New York State Route 11 to Sky High Road	1.16
1h Number Five East Road	171	Oran Delphi Road to Number Four Road	1.30
1i Palmer Road***	169	Owahgena Road to 0.5 mile north	0.50
1j Ridge Road	128	United States Route 20 to 1.28 miles south	1.28
1k SkyHigh Road***	79	New York State Route 80 to Daley Road	1.00
Section Total			12.48
Section 2			
2a Bonstead Road	199	Maider Road (West End) to the New York State Route 481 Bridge	0.68
2b North School Road***	115	North Manlius Road to Dead End	0.15
2c Whiting Road	147	South Bay Road to New York State Route 31	0.55
Section Total			1.38
Section 3			
3a Canal Road	138	Newport Road to Gillie Brook Road	1.17
3b Cross Lake Road	210	Plainville Road to Farnham Road	0.98
3c Daboll Road	226	Kingdom Road to West Dead Creek Road	0.90
3d East Mud Lake Road	180	Babcock Road to Beaver Lake Park	0.4
3e East Mud Lake Road***	180	Church Road to Lamson Road (Repairs & ST)	1.50
3f Fenner Road	193	New York State Route 370 to 2011 Limit	1.11
3g Fikes Road***	135	New York State Route 5 to 1.30 miles North (Repairs and ST)	1.30
3h Kingdom Road***	120	Perry Road to Daball Road	0.64
3i Stevens Road***	165	New York State Route 31 to Grimes Road	0.98
3j Stevens Road***	165	Grimes Road to County Maintenance Line	0.76
Section Total			9.74
Section 4			
4a Benson Road***	117	Reynolds Road to New York State Route 38A	1.03
4b Cole Road	201	Makyes Road to Griffin Road	1.18
4c Howlett Hill Road	40	Dunbar Woods Road to Dunbar Woods Road	0.89
4d Kingsley Road	256	New York State Route 80 to Barker Road	0.99
4e Kingston Road	217	Stump Road to New York State Route 321	1.23
4f Lyons Road	225	New York State Route 174 to 1.1 miles East (includes Martisco Road)	1.41
4g Murphy Road	202	New Seneca Turnpike to Northwest Townline Road	0.45
4h Northeast Townline Road	168	Howlett Hill Road to 1.05 miles South	1.05
4i Northwest Townline Road	202	Murphy Road to Old Seneca Turnpike	1.00
4j Northwest Townline Road	236	Stump Road to Shephard Road	0.98
4k Otisco Road***	246	Barker Street to Blue Hole Road	1.00
4l Stevens Road / Hourigan Road	44	Amber Road to Amber Road	0.34
4m Stump Road***	176	Kingston Road to Shepard Road	1.05
4n Tully Farms Road***	234	Otisco Road to 1.5 miles south	1.50
4o Willowdale Road***	26	0.3 miles north of Becker Rd to Moonhill Road (CIPR)	1.10
4p Young Road	242	Makyes Road to Tucker Road	1.20
Section Total			16.40
County Total Miles			40.00

Note: Numbers refer to locations on the attached map.

*** 2023 Cold Mix List

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2023 Bituminous Surface Treatment

