

# **Huron Soil and Water Conservation District**

**8 Fair Road, Norwalk, Ohio 44857**

**Phone: (419)668-4113 ext. 3**

**Fax: (419)663-8405**

**WWW.HURONSWCD.COM**



---

## **HURON COUNTY DITCH MAINTENANCE PROGRAM**

### **GROUP PROJECT INSPECTION REPORT FOR 2024**

**May , 2024**

**SUBMITTED BY:**

**Aaron Robinson**

**DITCH MAINTENANCE SUPERVISOR**

**HURON SOIL AND WATER CONSERVATION DISTRICT**

**HURON SOIL & WATER CONSERVATION DISTRICT**  
**8 Fair Road, Norwalk, Ohio 44857**  
**(419) 668-4113 ext. 3**

**HURON COUNTY DITCH MAINTENANCE PROGRAM**

**2024 ANNUAL INSPECTION REPORT**

To Whom It May Concern:

All the groups on the county maintenance program are to be inspected annually (6137.06 Ohio Revised Code). The problems observed and/or repairs or maintenance needed are recorded. An estimate of the probable amount of funds needed for the repairs is determined for each project.

The inspections for all 90 projects on the maintenance program were completed in January through May by Aaron Robinson, Nathan Watt and owners.

A list of the maintenance work codes, estimated costs for each code, and the labor and equipment costs are included in this report.

For answers to the questions, you have about the 2024 annual inspection report and the ditch maintenance program, contact Aaron Robinson.

**HURON SOIL & WATER CONSERVATION DISTRICT**  
**8 Fair Road, Norwalk, Ohio 44857**  
**(419) 668-4113 ext. 3**

**HURON COUNTY DITCH MAINTENANCE PROGRAM**

**JUNE 2024**

| <b>Code</b> | <b>Types of maintenance work</b>                   | <b>Code</b> | <b>Types of maintenance work</b> |
|-------------|--|-------------|----------------------------------|
| API         | Access pipe installation                           | SBR         | Silt bar removal                 |
| BCO         | Bottom clean out                                   | SBP         | Stream bank protection           |
| BSR         | Bank sloughing repair                              | SDR         | Stone and debris removal         |
| BWD         | Bank washout repair-dirt                           | SPI         | Splash pad installation          |
| BWP         | Bank washout repair-pipe                           | SPB         | Spray brush                      |
| BWR         | Bank washout repair-rock                           | SPC         | Spray cattails                   |
| CSD         | Cut surface drain                                  | SPL         | Spoil leveling                   |
| AIN         | Annual inspection                                  | STB         | Spot treat brush                 |
| MOW         | Mowing   | STR         | Structure repair                 |
| MSC         | Miscellaneous                                      | TLR         | Tile repair                      |
| RMB         | Review maintenance bases                           | TRR         | Tree removal                     |
| SDG         | Seeding  | WBR         | Waterway or ditch bottom repair  |
| RFL         | Bank washout repair-rill fill                      | AGI         | Animal guard installation        |
| TP1         | Tile outlet pipe installation (8" or smaller)      |             |                                  |
| TP2         | Tile outlet pipe installation (10" or larger)      |             |                                  |
| GSP         | Brush and broadleaf weed spraying-ground equipment |             |                                  |
| IRP         | Install riser pipe on tile main                    |             |                                  |

## HURON COUNTY DITCH MAINTENANCE PROGRAM

### ESTIMATED COSTS FOR 2024 ANNUAL INSPECTION REPORT

| Code | Type of maintenance work  | Estimated Cost                       |
|------|---------------------------|--------------------------------------|
| SBR  | Silt bar removal          | \$2.00/foot                          |
| BCO  | Bottom clean out          | \$1.00/foot                          |
| SBP  | Stream bank protection    | \$30.00/foot 601-C rip-rap           |
| BSR  | Bank sloughing repair     | \$3.00/foot shaping and seeding      |
| SDR  | Stone and debris removal  | \$115.00/hour 1 laborer + equip.     |
| BWD  | Bank washout repair-dirt  | \$115.00/hour 1 laborer + equip.     |
| SPI  | Splash pad installation   | \$36.00/ton                          |
| BWP  | Bank washout repair-pipe  | \$1,080 40' of 18" plastic (n12)     |
| BWR  | Bank washout repair-rock  | \$36.00/ton                          |
|      |                           | Rill Fills; 3 ton = \$108.00         |
|      |                           | Mini Rock Chute; 12 ton = \$432.00   |
|      |                           | Reg. Rock Chute; 40 ton = \$1,440.00 |
| GSP  | Brush and weed spraying   | \$700.00/mile                        |
| SPC  | Spray cattails            | \$200.00/mile                        |
| CSD  | Cut surface drain         | \$115.00/hour 1 laborer + equip.     |
| TRR  | Tree removal              | \$115.00/hour 1 laborer + equip      |
| STB  | Spot treat brush          | \$200.00/mile                        |
| SPL  | Spoil leveling            | \$115.00/hour 1 laborer + equip.     |
| AIN  | Annual inspection         | \$175.00/mile                        |
| STR  | Structure repair          | \$36.00/ton rock chutes              |
| AGI  | Animal guard installation | \$30.00 each                         |
| TLR  | Tile repair               | \$15/foot                            |
| SDG  | Seeding                   | \$130.00/hour 1 laborer + seed       |

## HURON COUNTY DITCH MAINTENANCE PROGRAM

### ESTIMATED COSTS FOR 2024 ANNUAL INSPECTION REPORT

| Code | Type of maintenance work                             | Estimated Cost   |
|------|--|--|
| TP1  | Tile outlet pipe installation<br>(8" or smaller)     | \$150.00 each  |
| TP2  | Tile outlet pipe installation<br><br>(10" or larger) | 10" = \$220.00<br><br>12" = \$280.00<br><br>15" = \$360.00<br><br>18" = \$540.00<br><br>24" = \$760.00 |
| API  | Access pipe installation                             | 25' of 10" & 12"; \$600.00   |
| IRP  | Install riser pipe on tile main                      | \$600.00   |

### HURON SWCD LABOR AND EQUIPMENT COSTS FOR 2024

#### LABOR RATES:

|                |              |  |
|----------------|--------------|--|
| Aaron Robinson | \$25.50/hour | Basic salary   |
| Overhead cost  | \$42.92/hour | This rate includes all indirect time and benefits, benefits for direct time, plus administrative charges |

#### EQUIPMENT: (owned by Huron SWCD)

|                          |              |
|--------------------------|--------------|
| Kubota RTV               | \$40.00/hour |
| Backhoe                  | \$40.00/hour |
| Chain saw                | \$40.00/Day  |
| Power pruner             | \$40.00/day  |
| Ford Dump Truck          | \$1.53/mile  |
| Dual tandem axle trailer | no charge    |



2024 ANNUAL INSPECTION REP

| HURON<br>SWCD<br>NO. | AIN | TRR | GSP  | STB | SPC  | CSD | TP1/<br>TP2 | API | FEET<br>BCO | FEET<br>SBR | FEET<br>SPL | SDR | SDG | FEET<br>BSR | REG. ,<br>MINI<br>BWR | RFL | STRUCTURE REPAIR |                 |          | TLR | IRP | MOW   | Condition<br>Good |   |
|----------------------|-----|-----|------|-----|------|-----|-------------|-----|-------------|-------------|-------------|-----|-----|-------------|-----------------------|-----|------------------|-----------------|----------|-----|-----|-------|-------------------|---|
|                      |     |     |      |     |      |     |             |     |             |             |             |     |     |             |                       |     | ROCK<br>CHUTE    | ANIMAL<br>GUARD | OTHER    |     |     |       |                   |   |
| 93                   | 1   | 4   | 5.83 |     | 5.83 |     |             |     |             |             |             |     |     |             |                       |     |                  |                 | crossing |     |     |       | *                 |   |
| 94                   | 1   |     | 2.25 |     | 2.25 |     |             |     |             |             |             |     |     |             |                       |     |                  |                 |          |     |     |       |                   | * |
| 95                   | 1   |     | 2.58 |     | 2.58 |     |             |     | 3,300       |             |             |     |     |             |                       |     |                  |                 |          |     |     |       |                   | * |
| 96                   | 1   |     | 1.89 |     | 1.89 |     |             |     |             |             |             |     |     |             |                       |     |                  |                 |          |     |     | 3,400 |                   | * |
| 99                   | 1   |     | 0.63 |     | 0.63 |     |             |     |             |             |             |     |     |             |                       |     |                  |                 |          |     |     | 3000  |                   | * |
| 104                  | 1   |     | 1.14 |     | 1.14 |     |             |     |             |             |             |     |     |             |                       |     |                  |                 |          |     |     |       |                   | * |
| 105                  | 1   | 10  | 0.25 |     | 0.25 |     |             |     |             |             |             |     |     |             |                       |     |                  |                 |          |     |     |       |                   | * |
| 106                  | 1   |     | 0.61 |     | 0.61 |     |             |     |             |             |             |     |     |             |                       |     |                  |                 |          |     |     |       |                   | * |
| 108                  | 1   |     | 3.66 |     | 3.66 |     |             |     |             |             |             |     |     |             |                       |     |                  |                 |          |     |     |       |                   | * |
| 109                  | 1   |     | 0.32 |     | 0.32 |     |             |     |             |             |             |     |     |             |                       |     |                  |                 |          |     |     |       |                   | * |
| 110                  | 1   |     | 0.61 |     | 0.61 |     |             |     |             |             |             |     |     |             |                       |     |                  |                 |          |     |     |       |                   | * |
| 113                  | 1   |     | 0.78 |     | 0.78 |     |             |     |             |             |             |     |     |             |                       |     |                  |                 |          |     |     |       |                   | * |
| 117                  | 1   |     | 1.08 |     | 1.08 |     |             |     |             |             |             |     |     |             |                       |     |                  |                 |          |     |     |       |                   | * |
| 118                  | 1   | 10  | 1.22 |     | 1.22 |     |             |     |             |             |             |     |     |             |                       |     |                  |                 |          |     |     |       |                   | * |
| 119                  | 1   | 10  | 1.65 |     | 1.65 |     |             |     |             |             |             |     |     |             |                       |     |                  |                 |          |     |     |       |                   | * |
| 120                  | 1   |     | 0.7  |     | 0.7  |     |             |     |             |             |             |     |     |             |                       |     |                  |                 |          |     |     |       |                   | * |
| 121                  | 1   |     | 4.24 |     | 4.24 |     |             |     | 22,387      |             |             |     |     |             |                       |     |                  |                 |          |     |     |       |                   | * |
| 122                  | 1   |     | 1.33 |     | 1.33 |     |             |     |             |             |             |     |     |             | 1                     |     |                  |                 |          |     |     | 1400  |                   | * |
| 123                  | 1   |     | 0.57 |     | 0.57 |     |             |     |             |             |             |     |     |             |                       |     |                  |                 |          |     |     |       |                   | * |
| 124                  | 1   | 10  | 4.43 |     | 4.43 |     |             |     |             |             |             |     |     |             |                       |     |                  |                 |          |     |     |       |                   | * |
| 125                  | 1   | 5   | 0.82 |     | 0.82 |     |             |     |             |             |             |     |     |             |                       |     |                  |                 |          |     |     | 1200  |                   | * |
| 126                  | 1   |     | 0.27 |     | 0.27 |     |             |     |             |             |             |     |     |             |                       |     |                  |                 |          |     |     | 800   |                   | * |









| <b>NUMBER</b> | <b>GROUP NAME</b>     | <b>NO.</b> | <b>Assessment<br/>Percentage</b> | <b>Estimated<br/>Collection</b> |
|---------------|-----------------------|------------|----------------------------------|---------------------------------|
| =====         | =====                 | =====      |                                  |                                 |
| 11-100        | Beecher-Dalton        | 1          | 15%                              | \$ 1,251.21                     |
| 11-320        | Hintz-Kluding         | 3          | 15%                              | \$ 1,587.60                     |
| 11-700        | Scheid-Ruffing        | 13         | 12%                              | \$ 2,201.05                     |
| 11-600        | Ruess-Hansberger      | 17         | 10%                              | \$ 3,156.26                     |
| 11-540        | Parker-Vogel          | 23         | 5%                               | \$ 1,471.76                     |
|               |                       |            |                                  | \$ -                            |
| 11-900        | Martin-Mitchell       | 29         | 15%                              | \$ 1,731.41                     |
| 11-860        | Yingling-Bollenbacher | 31         | 40%                              | \$ 10,050.70                    |
| 11-660        | Saunders-Marquis      | 34         | 40%                              | \$ 1,110.00                     |
| 11-060        | Ball-Swander          | 35         | 10%                              | \$ 1,322.19                     |
| 11-820        | Wahl-Myers            | 37         | 40%                              | \$ 2,196.52                     |
| 11-150        | Tester Lateral        | 39         | 12%                              | \$ 1,493.47                     |
| 11-520        | Palm-Vogel            | 42         | 5%                               | \$ 1,030.76                     |
| 11-680        | Schaffer-Sparks       | 43         | 10%                              | \$ 1,224.10                     |
| 11-500        | Norman-Fishbaugh      | 52         | 5%                               | \$ 578.47                       |
| 11-230        | Carpenter-Smith       | 60         | 10%                              | \$ 2,226.45                     |
|               |                       |            |                                  | \$ -                            |
| 11-560        | Phillips-Donnamiller  | 65         | 40%                              | \$ 2,303.44                     |
| 11-160        | Buurma-Hershiser      | 73         | 40%                              | \$ 3,294.00                     |
| 11-210        | Adams-Snay            | 74         | 1%                               | \$ 333.20                       |
| 11-880        | Latham County         | 76         | 10%                              | \$ 4,717.41                     |
| 11-200        | Cawrse-Chandler       | 82         | 10%                              | \$ 1,130.20                     |
|               |                       |            |                                  | \$ -                            |
| 11-480        | Nagel-Preslan         | 85         | 25%                              | \$ 2,312.50                     |
| 11-300        | Nagel-Seasley         | 91         | 20%                              | \$ 1,608.36                     |
| 11-130        | Hurst-Wolfe           | 93         | 3%                               | \$ 1,957.53                     |
| 11-940        | Green Group           | 94         | 5%                               | \$ 1,355.04                     |
| 11-250        | Roth Group            | 95         | 10%                              | \$ 1,735.82                     |
|               |                       |            |                                  | \$ -                            |
| 11-580        | Feichtner Group       | 96         | 10%                              | \$ 2,478.50                     |
| 11-180        | Buurma-Holthouse      | 99         | 5%                               | \$ 530.60                       |
| 11-920        | Setchel-Turner        | 104        | 15%                              | \$ 1,098.84                     |
| 11-290        | Gates Group           | 105        | 15%                              | \$ 766.05                       |
| 11-440        | Miller-French         | 106        | 40%                              | \$ 2,021.80                     |
|               |                       |            |                                  | \$ -                            |
| 11-780        | Stacklin-Stockmaster  | 108        | 7%                               | \$ 2,404.14                     |

|        |                     |     |     |    |           |
|--------|---------------------|-----|-----|----|-----------|
| 11-740 | Smith-Tester        | 109 | 40% | \$ | 1,000.04  |
| 11-640 | Ruffing Group       | 110 | 25% | \$ | 972.84    |
| 11-280 | Gawron Group        | 113 | 40% | \$ | 2,914.27  |
| 11-260 | Dalton-Stackhouse   | 117 | 1%  | \$ | 353.36    |
|        |                     |     |     | \$ | -         |
| 11-760 | Smith-West          | 118 | 1%  | \$ | 248.12    |
| 11-840 | Wolfe-Ward          | 119 | 5%  | \$ | 1,095.03  |
| 11-380 | Lyon-Verburg        | 120 | 10% | \$ | 968.08    |
| 11-340 | Indian Creek        | 121 | 5%  | \$ | 2,927.05  |
| 11-360 | Johannsen-Fritz     | 122 | 10% | \$ | 1,412.78  |
|        |                     |     |     | \$ | -         |
| 11-140 | Bridle-Wiles        | 123 | 10% | \$ | 734.11    |
| 11-620 | Ruess-Olcott        | 124 | 10% | \$ | 1,693.60  |
| 11-125 | Buckingham Group    | 125 | 5%  | \$ | 1,336.52  |
| 11-720 | Seel-Heyman         | 126 | 40% | \$ | 1,461.00  |
| 11-460 | Montgomery-Eitle    | 127 | 5%  | \$ | 400.61    |
|        |                     |     |     | \$ | -         |
| 11-800 | Stone-Clayton       | 128 | 10% | \$ | 2,321.52  |
| 11-040 | Adelman-Ott         | 129 | 20% | \$ | 1,363.32  |
| 11-240 | Dalton-Dalton       | 130 | 1%  | \$ | 33.67     |
| 11-400 | Martin-McMahon      | 131 | 15% | \$ | 1,305.39  |
| 11-120 | Bilton Lateral      | 135 | 10% | \$ | 992.62    |
|        |                     |     |     | \$ | -         |
| 11-190 | Jackson-Garrett     | 136 | 10% | \$ | 1,883.37  |
| 11-980 | Bilton-Dunlap       | 138 | 12% | \$ | 1,412.20  |
| 11-070 | Tester-Bilton       | 139 | 13% | \$ | 2,109.58  |
| 11-220 | Chapin-Jackson      | 144 | 40% | \$ | 3,200.89  |
| 11-970 | Megginson Creek     | 147 | 10% | \$ | 13,972.42 |
|        |                     |     |     | \$ | -         |
| 11-370 | Wyandt-Cook         | 156 | 15% | \$ | 744.48    |
| 11-420 | Martin-McMahon Lat. | 157 | 40% | \$ | 1,177.16  |
| 11-080 | Barnes-Wacker       | 158 | 40% | \$ | 1,712.40  |
| 11-090 | Smith-Stotz         | 161 | 40% | \$ | 1,415.20  |
| 11-110 | Allison-Davis       | 162 | 5%  | \$ | 839.27    |
|        |                     |     |     | \$ | -         |
| 11-030 | McClaflin-Schmidt   | 163 | 10% | \$ | 739.16    |
| 11-170 | Donnamiller-Hay     | 164 | 25% | \$ | 1,277.53  |
| 11-960 | Ott-Lehner          | 165 | 5%  | \$ | 259.32    |
| 11-050 | Wolfe-Eitle         | 169 | 40% | \$ | 1,586.84  |
| 11-350 | Borzon-Gibson       | 179 | 12% | \$ | 921.21    |
|        |                     |     |     | \$ | -         |
| 11-310 | Fischer-Krumwiede   | 182 | 10% | \$ | 1,151.54  |
| 11-470 | Burras Group        | 186 | 15% | \$ | 1,330.87  |
| 11-450 | Smith-Scheid        | 190 | 40% | \$ | 771.75    |
| 11-430 | Stockmaster-Puckett | 191 | 25% | \$ | 451.23    |
| 11-194 | Roeder-Fitch        | 194 | 40% | \$ | 698.24    |
|        |                     |     |     | \$ | -         |

|        |                         |     |     |    |            |
|--------|-------------------------|-----|-----|----|------------|
| 11-195 | Willard Diversion Ditch | 195 | 5%  | \$ | 4,000.00   |
| 11-199 | Sparks-Hutchinson       | 199 | 40% | \$ | 1,585.48   |
| 11-203 | Miller-Stacklin         | 203 | 40% | \$ | 686.70     |
| 11-490 | Smith-Scheid            | 207 | 40% | \$ | 321.60     |
| 11-208 | Webb-Phillips           | 208 | 20% | \$ | 1,714.90   |
|        |                         |     |     | \$ | -          |
| 11-214 | Schmidt-Anderson        | 214 | 40% | \$ | 713.52     |
| 11-221 | Davis-Dagliau           | 221 | 40% | \$ | 1,675.53   |
| 11-223 | Bartow-Griffin          | 223 | 40% | \$ | 1,080.00   |
| 11-228 | Skellinger Ditch        | 228 | 10% | \$ | 1,710.29   |
| 11-238 | Woodridge Estates       | 238 | 10% | \$ | 1,000.00   |
|        |                         |     |     | \$ | -          |
| 11-239 | Danbury Crossing        | 239 | 20% | \$ | 4,000.00   |
| 11-035 | Cherokee Village        | 240 | 10% | \$ | 2,000.00   |
| 11-241 | The Reserve             | 241 | 5%  | \$ | 1,000.00   |
| 11-256 | Sutorious Way Tile      | 256 | 15% | \$ | 784.35     |
| 11-257 | Sutorious Way Ditch     | 257 | 40% | \$ | 955.72     |
|        |                         |     |     | \$ | -          |
| 11-258 | Franklin-Adams          | 258 | 15% | \$ | 3,527.10   |
| 11-260 | D & K Tile              | 260 | 20% | \$ | 1,046.52   |
| 11-261 | Spence Tile             | 261 | 15% | \$ | 825.00     |
| 11-045 | Griffith-Brown Tile     | 269 | 8%  | \$ | 836.00     |
| 11-499 | Coder-wector            | 500 | 10% | \$ | 5,104.93   |
|        |                         |     |     | \$ | 158,435.57 |