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# Engineer's Cost Estimate

Date: March 8, 2024
Calculated By: CJG
Checked By:
Revised:
Revised:
Revised: 4/24/2025

Project: Farnsworth Business Park
County: Lucas
File No.: 23178
City/Township: City of Waterville

| Item No. | Description | Quantity | Unit | @ | Unit Cost | = | Total Cost |
|---|---|---|---|---|---|---|---|
| **Roadway** | | | | | | | |
| 203 | Excavation, As Per Plan | 40,717.00 | Cu. Yd. | @ | $ 3.25 | = | $ 132,330.25 |
| 203 | Embankment, As Per Plan | 866.00 | Cu. Yd. | @ | $ 1.25 | = | $ 1,082.50 |
| 203 | Topsoil Removed | 4,222.00 | Cu. Yd. | @ | $ 3.20 | = | $ 13,510.40 |
| 203 | Topsoil Placed | 1,837.00 | Cu. Yd. | @ | $ 1.25 | = | $ 2,296.25 |
| 204 | Subgrade Compaction, As Per Plan | 7,719.00 | Sq. Yd. | @ | $ 1.82 | = | $ 14,048.58 |
| 204 | Proof Rolling | 2.00 | Hour | @ | $ 284.00 | = | $ 568.00 |
| 608 | 4" Concrete Walks | 7622.63 | Sq. Ft. | @ | $ 8.60 | = | $ 65,554.65 |
| | **Roadway Totals** | | | | | | $ 229,390.63 |
| **Erosion Control** | | | | | | | |
| 659 | Water | 33.00 | MGal | @ | $ 2.10 | = | $ 69.30 |
| 659 | Repair Seeding and Mulching | 527.00 | Sq. Yd. | @ | $ 1.05 | = | $ 553.35 |
| 659 | Permanent Seeding and Mulching | 10,495.56 | Sq. Yd. | @ | $ 1.23 | = | $ 12,909.53 |
| 659 | Commercial Fertilizer | 1.00 | Tons | @ | $ 679.02 | = | $ 679.02 |
| 671 | Erosion Control Mat, Type B | 200.00 | Sq. Yd. | @ | $ 2.00 | = | $ 400.00 |
| 832 | Yard Inlet Protection | 1.00 | Each | @ | $ 16.00 | = | $ 16.00 |
| 832 | Curb Inlet Protection | 13.00 | Each | @ | $ 16.00 | = | $ 208.00 |
| 832 | Perimeter Filter Fabric Fence | 5,248.00 | Ft | @ | $ 5.00 | = | $ 26,240.00 |
| Special | Temporary Construction Entrance | 1.00 | Lump | @ | $ 5,000.00 | = | $ 5,000.00 |
| | **Erosion Control Totals** | | | | | | $ 46,075.20 |
| **Drainage** | | | | | | | |
| 601 | Rock Channel Protection Type C | 157.84 | Cu. Yd. | @ | $ 66.12 | = | $ 10,436.25 |
| 605 | 6" Shallow Pipe Underdrains, 707.31 W/Filter Fabric Wrap | 3271.00 | Lin. Ft. | @ | $ 20.05 | = | $ 65,583.55 |
| 611 | 12" Conduit | 231.00 | Lin. Ft. | @ | $ 98.06 | = | $ 22,651.86 |
| 611 | 18" Conduit | 19.00 | Lin. Ft. | @ | $ 173.26 | = | $ 3,291.94 |
| 611 | 24" Conduit | 58.00 | Lin. Ft. | @ | $ 130.77 | = | $ 7,584.66 |
| 611 | 42" Conduit | 696.00 | Lin. Ft. | @ | $ 254.33 | = | $ 177,013.68 |
| 611 | 54" Conduit | 700.00 | Lin. Ft. | @ | $ 380.00 | = | $ 266,000.00 |
| 611 | 60" Conduit | 267.00 | Lin. Ft. | @ | $ 400.00 | = | $ 106,800.00 |
| 611 | ODOT CB2-3 (Modified) | 1.00 | Each | @ | $ 5,000.00 | = | $ 5,000.00 |
| 611 | ODOT CB3 | 8.00 | Each | @ | $ 5,068.87 | = | $ 40,550.96 |
| 611 | ODOT CB3A | 4.00 | Each | @ | $ 4,348.03 | = | $ 17,392.12 |
| 611 | ODOT MH3 | 6.00 | Each | @ | $ 5,995.64 | = | $ 35,973.84 |
| | **Drainage Totals** | | | | | | $ 758,278.86 |
| **Pavement** | | | | | | | |
| 302 | Asphalt Concrete Base | 702.00 | Cu. Yd. | @ | $ 182.79 | = | $ 128,318.58 |
| 304 | Aggregate Base (Includes 5 ft path) | 2551.00 | Cu. Yd. | @ | $ 71.40 | = | $ 182,141.40 |
| 441 | Asphalt Concrete Surface Course (Includes 5 ft path) | 281.00 | Cu. Yd. | @ | $ 208.62 | = | $ 58,622.22 |
| 441 | Asphalt Concrete Intermediate Course | 307.00 | Cu. Yd. | @ | $ 178.37 | = | $ 54,759.59 |
| 608 | Curb Ramps, As Per Plan | 180.00 | Sq. Ft. | @ | $ 19.01 | = | $ 3,421.80 |
| 609 | Type 2 Curb and Gutter | 3872.00 | Lin. Ft. | @ | $ 29.96 | = | $ 116,005.12 |
| | **Pavement Total** | | | | | | $ 543,268.71 |
| **Water Work** | | | | | | | |
| 638 | 8"PVC (A.W.W.A C-900, Standard Pressure Class 235) | 1901.22 | Lin. Ft. | @ | $ 75.00 | = | $ 142,591.50 |
| 638 | 8" Main Line Valve | 4.00 | Each | @ | $ 5,500.00 | = | $ 22,000.00 |
| 638 | Standard Hydrant Assembly with Stortz Connection | 6.00 | Each | @ | $ 8,000.00 | = | $ 48,000.00 |
| | **Water Work Total** | | | | | | $ 212,591.50 |
| **Sanitary Sewer** | | | | | | | |
| 611 | 12" Conduit | 1835.00 | Lin. Ft. | @ | $ 95.00 | = | $ 174,325.00 |
| 611 | ODOT MH3 | 7.00 | Each | @ | $ 5,995.64 | = | $ 41,969.48 |
| | **Sanitary Sewer Total** | | | | | | $ 216,294.48 |
| | ***PROJECT SUBTOTAL*** | | | | | | $ 2,005,899.38 |
| | Contingency | 10.00% | | @ | $ 2,005,899.38 | = | $ 200,589.94 |
| | ***PROJECT TOTAL*** | | | | | | $ 2,206,489.32 |