

ESTIMATED CONSTRUCTION COST

Project Name: Gebhardt Road Reconstruction & Pedestrian Pathway

Client Name: Village of Elm Grove

Project # 38-10024.220

Date Modified: 3/9/2022

| Item No. | Description | Unit | Quantity | Unit Price | Total | Item Notes | |
|---|---|------|----------|--------------|--------------|---|--|
| Gebhardt Road (Phase 1 - Pilgrim to Berkshire) | | | | | | | |
| | Traffic Control | L.S. | 1 | \$ 20,000.00 | \$ 20,000.00 | | |
| | Erosion Control | L.S. | 1 | \$ 10,000.00 | \$ 10,000.00 | | |
| | Tree Removal | L.S. | 1 | \$ 20,000.00 | \$ 20,000.00 | | |
| | Full Depth Saw Cut Pavement | L.F. | 1,025 | \$ 2.50 | \$ 2,562.50 | 16 Driveways @ ~25' Wide Each x2 - & at Intersections | |
| | Pulverize & Reshape Roadway | S.Y. | 4,275 | \$ 2.50 | \$ 10,687.50 | | |
| | Remove Excess Material | S.Y. | 4,275 | \$ 2.00 | \$ 8,550.00 | | |
| | Construct Pathway to Subgrade | L.F. | 1,560 | \$ 22.00 | \$ 34,320.00 | | |
| | Widen Road Subgrade (Existing Road) | L.F. | 3,120 | \$ 8.00 | \$ 24,960.00 | One side of road x2 | |
| | Storm Sewer (Pathway Drainage & Road Crossings) | L.F. | 115 | \$ 84.00 | \$ 9,660.00 | 15" Average Assumed | |
| | Storm Sewer (Driveway Culverts) | L.F. | 525 | \$ 70.00 | \$ 36,750.00 | 12" Average Assumed - 19 Driveways @ 25' Wide Each +10% | |
| | Regrade Ditches | L.F. | 2,600 | \$ 15.00 | \$ 39,000.00 | | |
| | Remove and Salvage Miscellaneous Landscaping | L.S. | 1 | \$ 20,000.00 | \$ 20,000.00 | | |
| | Base Patching - Remove & Replace 12-Inch Material (Pulverized Area) | S.Y. | 1,285 | \$ 22.00 | \$ 28,270.00 | 30% of Pulverize Area | |
| | Excavation Below Subgrade (If Required) | C.Y. | 170 | \$ 25.00 | \$ 4,250.00 | EBS = 30% of Base for Path Area +20% for Misc. Areas | |
| | Geogrid (If Required) | S.Y. | 500 | \$ 3.00 | \$ 1,500.00 | Grid = 30% of Base for Path Area +20% for Misc. Areas | |
| | Excavation Below Subgrade Backfill (If Required) | TON | 340 | \$ 25.00 | \$ 8,500.00 | 2 Tons per CY of EBS | |
| | Crushed Aggregate Base Course | TON | 810 | \$ 25.00 | \$ 20,250.00 | 20% Added to Calculated Tonnage (6" Path, 10" Road) | |
| | 3" Asphaltic Concrete Binder Course | TON | 880 | \$ 70.00 | \$ 61,600.00 | Calculated +10% | |
| | 2" Asphaltic Concrete Surface Course | TON | 590 | \$ 85.00 | \$ 50,150.00 | Calculated +10% | |
| | 3" Asphaltic Concrete Pathway | S.Y. | 740 | \$ 23.00 | \$ 17,020.00 | Path Length (LF): 1,560, 6 FT Wide, Exclude Driveway, +10% | |
| | 4" Asphaltic Concrete Pathway and Driveways in Two Layers | S.Y. | 700 | \$ 30.00 | \$ 21,000.00 | 16 Driveways @ ~25' Wide Each, 6FT Wide Path, Doubled for Culverts/Other Replacements, +30% | |
| | 6" Concrete Ramp and Landing | S.F. | 140 | \$ 15.00 | \$ 2,100.00 | 2 Landings | |
| | Detectable Warning Fields | S.F. | 24 | \$ 35.00 | \$ 840.00 | 2 Landings | |
| | Remove and Relocate Mailboxes | Ea. | 18 | \$ 250.00 | \$ 4,500.00 | | |
| | Crushed Aggregate Shoulder w/ 2" Topsoil & Seed | L.F. | 3,120 | \$ 5.00 | \$ 15,600.00 | Total Project Length x2 | |
| | Pavement Marking, Cross Walk/Channel, 6" Paint (White) | L.F. | 70 | \$ 5.00 | \$ 350.00 | | |
| | Pavement Marking, Stop Bar, 18" Paint, (White) | L.F. | 70 | \$ 13.00 | \$ 910.00 | | |
| | Pavement Marking, Centerline, 4" Paint (Yellow) | L.F. | 3,120 | \$ 3.00 | \$ 9,360.00 | Length x2 for Double Yellow | |
| | Pavement Marking, Fog Line, 4" Paint (White) | L.F. | 3,000 | \$ 3.00 | \$ 9,000.00 | | |
| | Topsoil, Fertilizer & Sod | S.Y. | 2,000 | \$ 15.00 | \$ 30,000.00 | Ditch Areas | |
| | Topsoil, Seed & Erosion Matting | S.Y. | 2,000 | \$ 8.00 | \$ 16,000.00 | Areas outside of ditches | |
| | Subtotal Gebhardt Phase 1 Construction = | | | | | \$ 537,690.00 | |

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| Item No. | Description | Unit | Quantity | Unit Price | Total | Item Notes |
|--|---|------|----------|--------------|---------------|---|
| Gebhardt Road (Phase 2 - Berkshire to Highland) | | | | | | |
| | Traffic Control | L.S. | 1 | \$ 25,000.00 | \$ 25,000.00 | |
| | Erosion Control | L.S. | 1 | \$ 15,000.00 | \$ 15,000.00 | |
| | Tree Removal | L.S. | 1 | \$ 40,000.00 | \$ 40,000.00 | |
| | Full Depth Saw Cut Pavement | L.F. | 225 | \$ 2.50 | \$ 562.50 | 4 Driveways @ ~25' Wide Each x2 - & at Intersections |
| | Pulverize & Reshape Roadway | S.Y. | 2,160 | \$ 2.50 | \$ 5,400.00 | |
| | Remove Excess Material | S.Y. | 2,160 | \$ 2.00 | \$ 4,320.00 | |
| | Grade Old Roadway Area | S.Y. | 200 | \$ 30.00 | \$ 6,000.00 | |
| | Construct Pathway to Subgrade | L.F. | 890 | \$ 22.00 | \$ 19,580.00 | |
| | Construct Roadway to Subgrade (Realignment) | L.F. | 280 | \$ 80.00 | \$ 22,400.00 | |
| | Widen Road Subgrade (Existing Road) | L.F. | 1,200 | \$ 8.00 | \$ 9,600.00 | One side of road x2 |
| | Storm Sewer (Pathway Drainage & Road Crossings) | L.F. | 215 | \$ 84.00 | \$ 18,060.00 | 15" Average Assumed |
| | Storm Sewer (Driveway Culverts) | L.F. | 140 | \$ 70.00 | \$ 9,800.00 | 12" Average Assumed - 5 Driveways @ 25' Wide Each +10% |
| | Storm Sewer Catch Basin Structure | Ea. | 1 | \$ 3,000.00 | \$ 3,000.00 | |
| | Regrade Ditches | L.F. | 1,630 | \$ 15.00 | \$ 24,450.00 | |
| | Remove and Salvage Miscellaneous Landscaping | L.S. | 1 | \$ 20,000.00 | \$ 20,000.00 | |
| | Base Patching - Remove & Replace 12-Inch Material (Pulverized Area) | S.Y. | 500 | \$ 22.00 | \$ 11,000.00 | 30% of Pulverize Area |
| | Excavation Below Subgrade (If Required) | C.Y. | 205 | \$ 25.00 | \$ 5,125.00 | EBS = 30% of Base for Path Area & Realignment +10% |
| | Geogrid (If Required) | S.Y. | 610 | \$ 3.00 | \$ 1,830.00 | Grid = 30% of Base for Path Area & Realignment +10% |
| | Excavation Below Subgrade Backfill (If Required) | TON | 410 | \$ 25.00 | \$ 10,250.00 | 2 Tons per CY of EBS |
| | Crushed Aggregate Base Course | TON | 1,155 | \$ 25.00 | \$ 28,875.00 | 20% Added to Calculated Tonnage (6" Path, 10" Road) |
| | Concrete Curb & Gutter | L.F. | 220 | \$ 40.00 | \$ 8,800.00 | |
| | 3" Asphaltic Concrete Binder Course | TON | 610 | \$ 70.00 | \$ 42,700.00 | Calculated + 10% |
| | 2" Asphaltic Concrete Surface Course | TON | 405 | \$ 85.00 | \$ 34,425.00 | Calculated + 10% |
| | 3" Asphaltic Concrete Pathway | S.Y. | 585 | \$ 23.00 | \$ 13,455.00 | Path Length (LF): 890, 6 FT Wide, Exclude Driveway+ 10% 4 Driveways @ ~25' Wide Each, 6FT Wide Path, Doubled for Culverts/Other Replacements, +30% |
| | 4" Asphaltic Concrete Pathway and Driveways in Two Layers | S.Y. | 200 | \$ 30.00 | \$ 6,000.00 | |
| | 6" Concrete Ramp and Landing | S.F. | 140 | \$ 15.00 | \$ 2,100.00 | 2 Landings |
| | Detectable Warning Fields | S.F. | 24 | \$ 35.00 | \$ 840.00 | 2 Landings |
| | Remove and Relocate Mailboxes | Ea. | 5 | \$ 250.00 | \$ 1,250.00 | |
| | Crushed Aggregate Shoulder w/ 2" Topsoil & Seed | L.F. | 1,780 | \$ 5.00 | \$ 8,900.00 | Total Project Length x2 minus curb length |
| | Pavement Marking, Cross Walk/Channel, 6" Paint (White) | L.F. | 160 | \$ 5.00 | \$ 800.00 | |
| | Pavement Marking, Stop Bar, 18" Paint, (White) | L.F. | 40 | \$ 13.00 | \$ 520.00 | |
| | Pavement Marking, Centerline, 4" Paint (Yellow) | L.F. | 1,780 | \$ 3.00 | \$ 5,340.00 | Length x2 for Double Yellow |
| | Pavement Marking, Fog Line, 4" Paint (White) | L.F. | 1,660 | \$ 3.00 | \$ 4,980.00 | |
| | Pavement Marking, Arrows/Words (White) | Ea. | 4 | \$ 260.00 | \$ 1,040.00 | |
| | Topsoil, Fertilizer & Sod | S.Y. | 1,500 | \$ 15.00 | \$ 22,500.00 | Ditch Areas |
| | Topsoil, Seed & Erosion Matting | S.Y. | 1,500 | \$ 8.00 | \$ 12,000.00 | Areas outside of ditches + Old Road Area |
| | Subtotal Gebhardt Phase 2 Construction = | | | | \$ 445,902.50 | |

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|---------------------------------|---|------|----------|--------------|------------------------|---|
| Highland Drive (Phase 2) | | | | | | |
| | Traffic Control | L.S. | 1 | \$ 25,000.00 | \$ 25,000.00 | |
| | Erosion Control | L.S. | 1 | \$ 10,000.00 | \$ 10,000.00 | |
| | Full Depth Saw Cut Pavement | L.F. | 100 | \$ 2.00 | \$ 200.00 | |
| | Pulverize & Reshape Roadway | S.Y. | 2,350 | \$ 2.50 | \$ 5,875.00 | |
| | Remove Excess Material | S.Y. | 2,350 | \$ 2.00 | \$ 4,700.00 | |
| | Grading/Excavation to Lower Hill | C.Y. | 200 | \$ 30.00 | \$ 6,000.00 | |
| | Grading to Match Side Slopes & Ditch Reconstruction | L.S. | 1 | \$ 15,000.00 | \$ 15,000.00 | |
| | Clearing & Grubbing for Vision Corners | L.S. | 1 | \$ 7,500.00 | \$ 7,500.00 | |
| | Curb & Gutter | L.F. | 225 | \$ 30.00 | \$ 6,750.00 | East Side of Road |
| | Widen Road Subgrade (Existing Road) | L.F. | 1,680 | \$ 2.00 | \$ 3,360.00 | Minimal Widening, One side of road x2 |
| | Base Patching - Remove & Replace 12-Inch Material (Pulverized Area) | S.Y. | 705 | \$ 22.00 | \$ 15,510.00 | 30% of Pulverize Area |
| | Excavation Below Subgrade (If Required) | C.Y. | 80 | \$ 25.00 | \$ 2,000.00 | EBS = 10% Area |
| | Geogrid (If Required) | S.Y. | 235 | \$ 3.00 | \$ 705.00 | Grid = 10% Area |
| | Excavation Below Subgrade Backfill (If Required) | Ton | 160 | \$ 25.00 | \$ 4,000.00 | 2 Tons per CY of EBS |
| | Driveway Replacement (Hill Cut) | S.Y. | 225 | \$ 36.00 | \$ 8,100.00 | 3 Driveways |
| | 3" Asphaltic Concrete Binder Course | S.Y. | 2,450 | \$ 9.50 | \$ 23,275.00 | Pulverize Area + 100 Widening |
| | 2" Asphaltic Concrete Surface Course | S.Y. | 2,450 | \$ 7.50 | \$ 18,375.00 | Pulverize Area + 100 Widening |
| | Crushed Aggregate Shoulder w/ 2" Topsoil & Seed | L.F. | 1,680 | \$ 5.00 | \$ 8,400.00 | |
| | Pavement Marking, Stop Bar, 18" Paint, (White) | L.F. | 20 | \$ 15.00 | \$ 300.00 | Hillside |
| | Pavement Marking, Double Yellow, 4" Paint (Yellow) | L.F. | 1,680 | \$ 3.00 | \$ 5,040.00 | |
| | Pavement Marking, Fog Line, 4" Paint (White) | L.F. | 1,680 | \$ 3.00 | \$ 5,040.00 | |
| | Topsoil, Seed & Erosion Matting (Hill Cut) | S.Y. | 1,000 | \$ 8.00 | \$ 8,000.00 | Right-of-Way in Cut Location - 225LF, 30FT Wide Each Side |
| | Topsoil, Seed & Erosion Matting | S.Y. | 375 | \$ 8.00 | \$ 3,000.00 | Minimal Area Outside Roadway |
| | Monument Relocation | L.S. | 1 | \$ 10,000.00 | \$ 10,000.00 | |
| | Subtotal Highland Drive Construction = | | | | \$ 196,130.00 | |
| | Subtotal Phase 1 Construction = | | | | \$ 537,690.00 | |
| | Contingency (20%) = | | | | \$ 107,500.00 | |
| | Engineering (Design, Construction Administration, Staking & Review) (20%) = | | | | \$ 107,500.00 | |
| | Estimated Phase 1 Total Cost = | | | | \$ 752,690.00 | |
| | Subtotal Phase 2 Construction = | | | | \$ 642,032.50 | |
| | Contingency (20%) = | | | | \$ 128,400.00 | |
| | Engineering (Design, Construction Administration, Staking & Review) (20%) = | | | | \$ 128,400.00 | |
| | Estimated Phase 2 Total Cost = | | | | \$ 898,832.50 | |
| | Total Construction Costs = | | | | \$ 1,179,722.50 | |
| | Total Contingencies (20%) = | | | | \$ 235,900.00 | |
| | Total Engineer (Design, Construction, Administration, Staking & Review) (20%) = | | | | \$ 235,900.00 | |
| | Estimated Total Project Cost = | | | | \$ 1,651,522.50 | |