

Tucker Pit projected costs

| Purchase | Interest | Taxes | Yards (low) | cost/yard gravel | Equipment/site work | Hauling | cost/yard crushed and hauled | Total cost of gravel |
|-----------|----------|----------|--------------|------------------|---------------------|-----------|------------------------------|----------------------|
| \$400,000 | \$48,732 | \$28,231 | 80,000 | \$5.96 | \$100,000 | \$488,263 | \$20.32 | \$1,625,225.94 |
| Purchase | Interest | Taxes | Yards (high) | cost/yard gravel | Equipment/site work | Hauling | cost/yard crushed and hauled | Total cost of gravel |
| \$400,000 | \$48,732 | \$35,289 | 100,000 | \$4.84 | \$100,000 | \$610,329 | \$18.94 | \$1,894,349.43 |

Yardage estimates in the above are based on a range above and below that offered by the surveyor. It is likely that the actual yardage will exceed 100,000 yards. The equipment/site costs attempt to account for land clearing and topsoil removal semi-annually with either rented equipment or contracted services (hauling or site work). If site is purchased, gravel cost per yard will be fixed. Costs will only increase based on hauling and crushing price changes and property tax increases. Hauling is calculated at the current FEMA reimbursement rate of \$94.94 per hour of truck time. That price has been stable for the past five years. The FEMA rate roughly estimates, for the Town, a blended use of town trucks and contractors. Town trucks can make the round trip in 46 minutes, not including loading time. Additionally, each load is assumed to be 14 yards of material. Cost is figured based on that time plus loading. Crushing costs (\$7 per yard averaged over the lifetime of the pit) are estimated assuming a 3% yearly increase in crushing cost.

Current Year and Lifetime Cost Comparison

| | Current Year Cost | Lifetime Cost | | Current Year Cost | Lifetime Cost |
|-------------------|-----------------------|-------------------------|-------------------|-----------------------|-------------------------|
| Tucker Pit | \$41,000.00 | \$1,894,349.43 | Tucker Pit | \$41,000.00 | \$1,894,349.43 |
| Twin State | \$163,064.29 | \$3,736,285.71 | Northeast | \$213,414.29 | \$4,399,214.29 |
| Extra Cost | (\$122,064.29) | (\$1,841,936.28) | Extra Cost | (\$172,414.29) | (\$2,504,864.85) |

| | Current Year Cost | Lifetime Cost |
|-------------------|-----------------------|-------------------------|
| Tucker Pit | \$41,000.00 | \$1,894,349.43 |
| Florence CS | \$170,067.86 | \$4,070,357.14 |
| Extra Cost | (\$129,067.86) | (\$2,176,007.71) |

Price comparisons are based on current budget, current year cost for purchased and hauled product, and lifetime cost of purchasing and hauling material from each site or vendor. Lifetime costs assume material prices will increase \$0.50 per year. This is roughly equivalent to a 2-3% yearly "inflation increase" for each vendor. As with Tucker pit calculations, the transportation cost for each vendor assumes a round trip time calculated at the FEMA rate of \$94.94 per hour of truck time. Twin State (Lebanon, NH) is budgeted at two hours per round trip. Florence Crushed Stone (Florence, VT) requires a trip over either Brandon Gap or through Killington and Mendon. That is assumed to be a 2.5 hour round trip. Northeast (East Barre, VT) is calculated based on a 1.5 hour round trip. Vendor prices only include material cost and hauling.

Jones Pit

| Loan | Bridge and improvements | Ideal Yardage | Trucking | cost/yard gravel | cost/yard crushed | cost/yard hauled | Lifetime cost |
|-----------|-------------------------|---------------|----------|------------------|-------------------|------------------|---------------|
| \$231,526 | \$167,856 | 60,500 | \$10,725 | \$6.78 | \$10.64 | \$12.00 | \$725,917.40 |

| Loan | Bridge and improvements | Likely Used Yardage | | cost/yard gravel | cost/yard crushed | cost/yard hauled | Lifetime cost |
|-----------|-------------------------|---------------------|---------|------------------|-------------------|------------------|---------------|
| \$231,526 | \$167,856 | 42,500 | \$7,534 | \$9.57 | \$13.43 | \$14.79 | \$628,766.49 |

For historical context, the above represents the calculated cost of material removed from the Jones Pit on Riford Brook Road. The estimate of actual yardage removed from the pit comes from comparing and tabulating various invoices and payments over the years since purchase. There is some discrepancy in recollection of years of extraction that leads to the two estimates of total yardage. The cost per yard is based on the sum of loan and interest and the bridge and improvements. This figure does not account for any site work that may have occurred. It is unclear how those costs would raise the price per yard. Crushing is based on the current rate discounted at 3% per year. This keeps consistency with future estimates. Hauling is based on a 12 minute round trip to the Jones Pit and allows minimal time for loading and unloading. Again, trucking is calculated at the FEMA rate of \$94.94 per hour.