

We have not been able to dump concrete and asphalt debris at Patterson since January 2022. We have been dumping at Waste Management's transfer facility. Waste Management has a higher rate per ton than Patterson Services, but time and gas saved makes Waste Management more cost effective. The crusher would offset the cost of gas, haul off, and time by being able to crush it on site at PWC and reuse the material. Other landfills are too far to be efficient in completing our projects.

- Haul off cost for concrete and asphalt material in 2021 & 2022 – Patterson Services \$ 83,230.81
- Haul off cost for concrete and asphalt material in 2021 & 2022 - Metro Green Recycling \$4711.54
- Purchase material for GAB and Rip Rap for roadway and storm drainage projects through out the city in 2021 & 2022 – Vulcan materials \$ 102,140.65

Total spent in 2 years \$190,083

At a cost of \$179,000, an on-site crusher would have saved approximately \$ 10K over the last 2 years, and would save more after the break-even/sunk cost is recovered.

To crush the material already on site at Public Works is estimated to cost estimate is \$ 65,000 to \$85,000 per Brent Scarborough

To haul off the material already on site at Public Works is estimated to be between 250 and 300 loads at 18 ton per load and \$35.00 per ton: \$157,000 - \$189,000

Estimated operating cost for the crusher are nominal:

- Operation cost and maintenance \$ 154.00 per 8-hour shift
- Replacement conveyor belt \$2100.00
- Replacement crush plates \$ 4,448.00
- We should not need crush plates for at least 4 – 5 years and the belt even longer than that.