

IDEAL FINANCIAL PLAN

@ THE HIGHWAY DEPARTMENT

CHIP SEAL

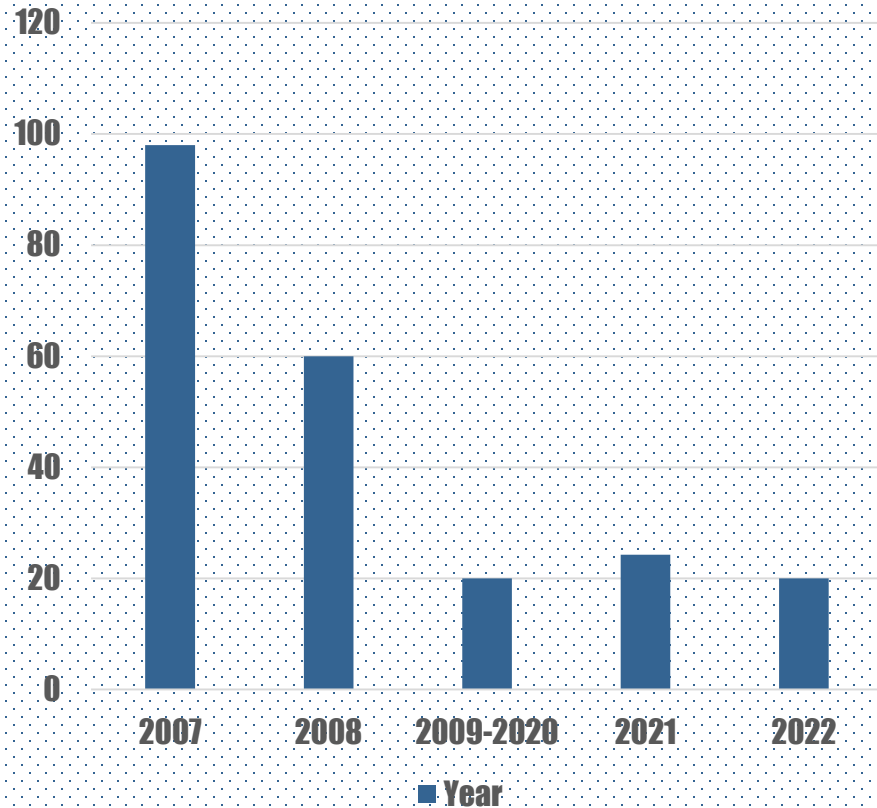
Budget= \$270,480

this only 4% OF OUR NETWORK

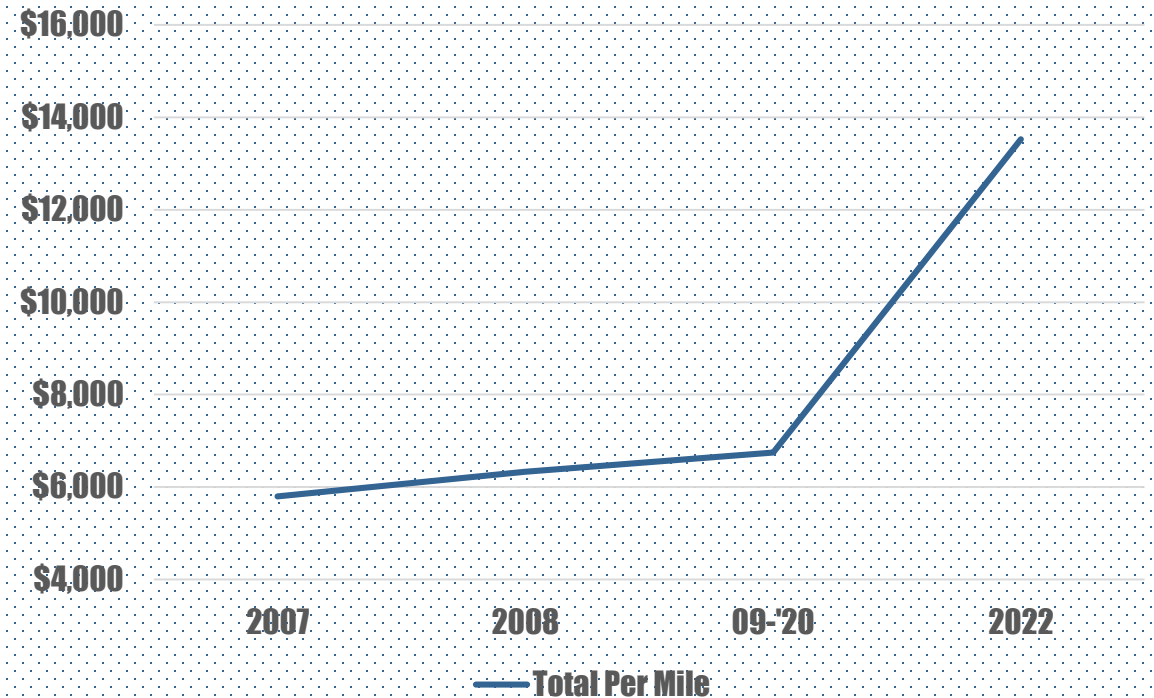
Future 72 miles= Increase \$703,248

14.4% cover the network in 7 years (expected life of chip seal)

Total Miles Completed

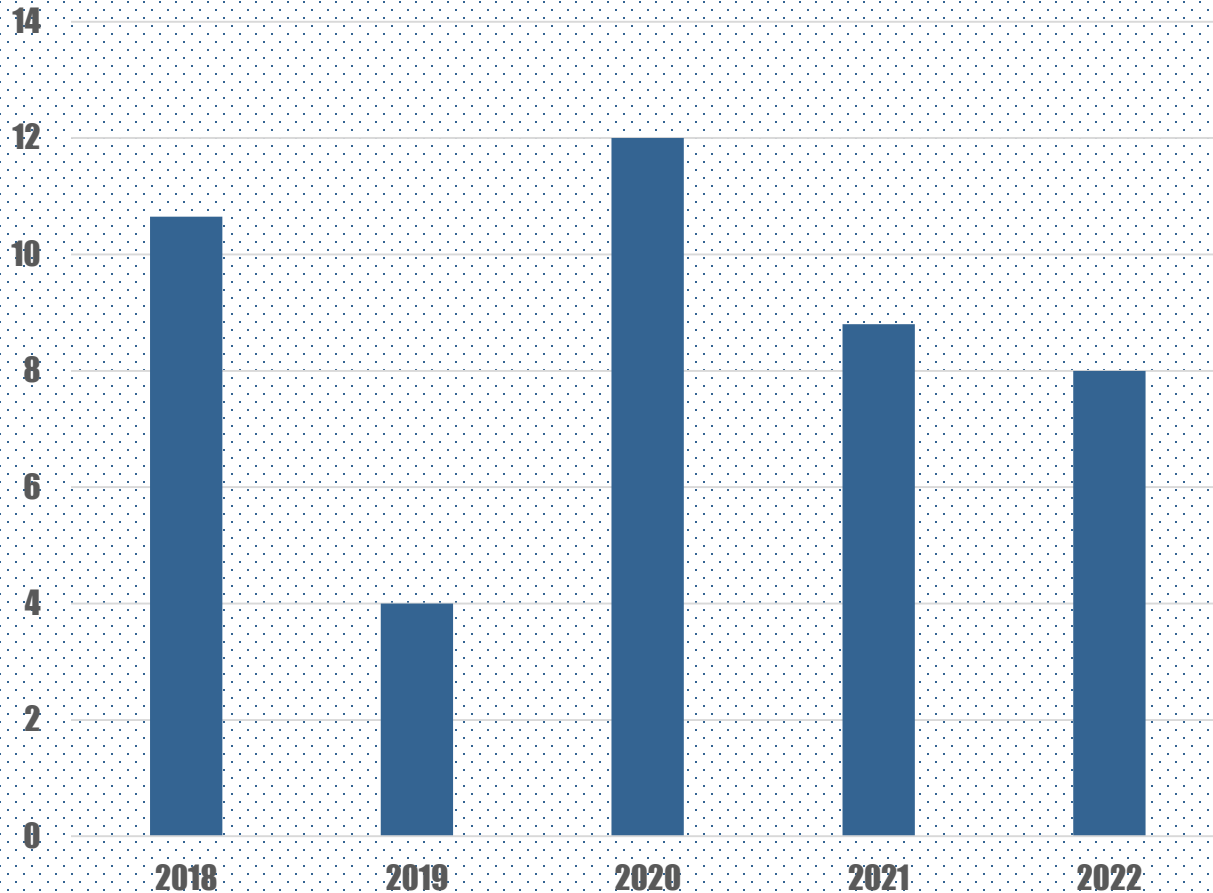


Material Cost Per Mile



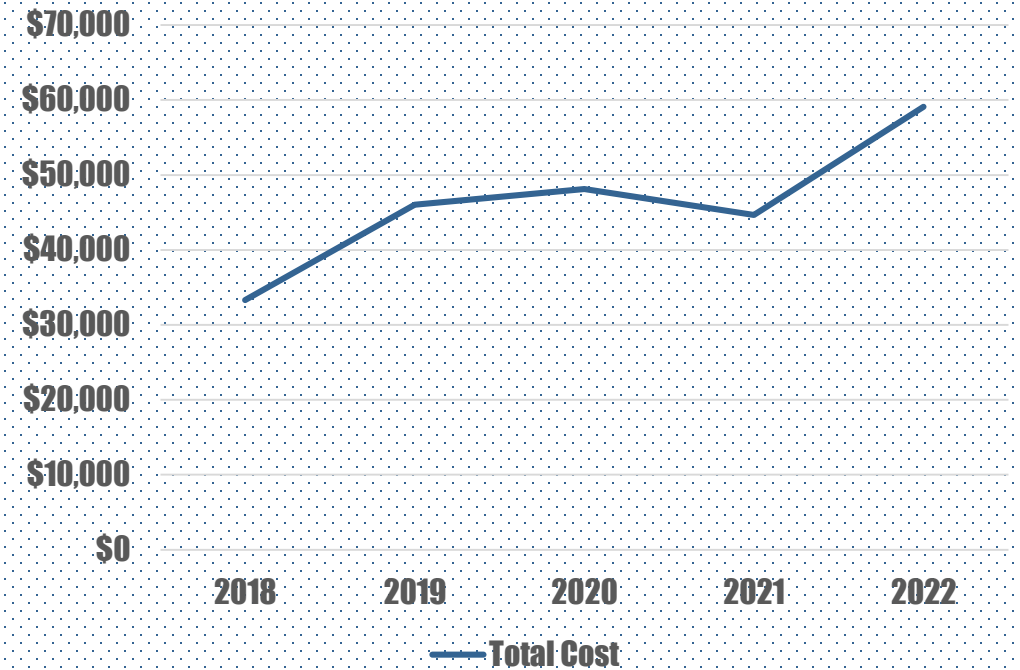
COLD MIX PAVING (CMA)

Miles Completed



Highway paves 8 miles= \$472,736
1.6% of network
Future 25 miles= Increase
\$1,004,564
5% of network

Material Cost per Mile



HOT MIX

- **COMMUNITY CROSSING MATCHING GRANT**
 - **CONTINUE TO MAXIMIZE THE FULL \$1,000,000 FROM THE STATE**
 - **APPRECIATE LOCAL MATCH BUDGETED FROM SOMEWHERE OTHER THAN HIGHWAY. IT HAS ALLOWED US TO INCREASE CHIP SEALING & PAVING.**

CRACK SEAL

- **1 MILE= \$5280**
- **CURRENT BUDGET \$0.00**
- **SHOULD BE DOING 20 MILES PER YEAR=
\$105,600**

SUMMARY OF TREATMENT TYPES

- **500 MILES= -500 YEARS OF LIFE EACH YEAR**

TREATMENT TYPE	YEARS ADDED 2022	YEARS ADDED WITH FUTURE PLAN
Crack Seal (1 mile = 1 Yr)	0	20 (20 miles)
Hot Mix (1 mile= 10 Yr)	80 (8 miles)	80 (8 miles)
Cold Mix (1 mile = 10 Yr)	80 (8 miles)	250 (25 miles)
Chip Seal (1 mile= 7 yr)	140 (20 miles)	329 (47 miles)
	TOTAL 300 years	TOTAL 679 years
	-200 YEARS	+179 YEARS



\$ 1,813,412 Increase for Paved Roads

GRAVEL ROAD

- **300 MILES OF GRAVEL ROADS**
 - **HIGHWAY SPREADS GRAVEL ON 39 MILES= \$100,000**
 - **12% OF NETWORK**
 - **FUTURE 150 MILES = INCREASE \$285,605**
 - **50% OF NETWORK**

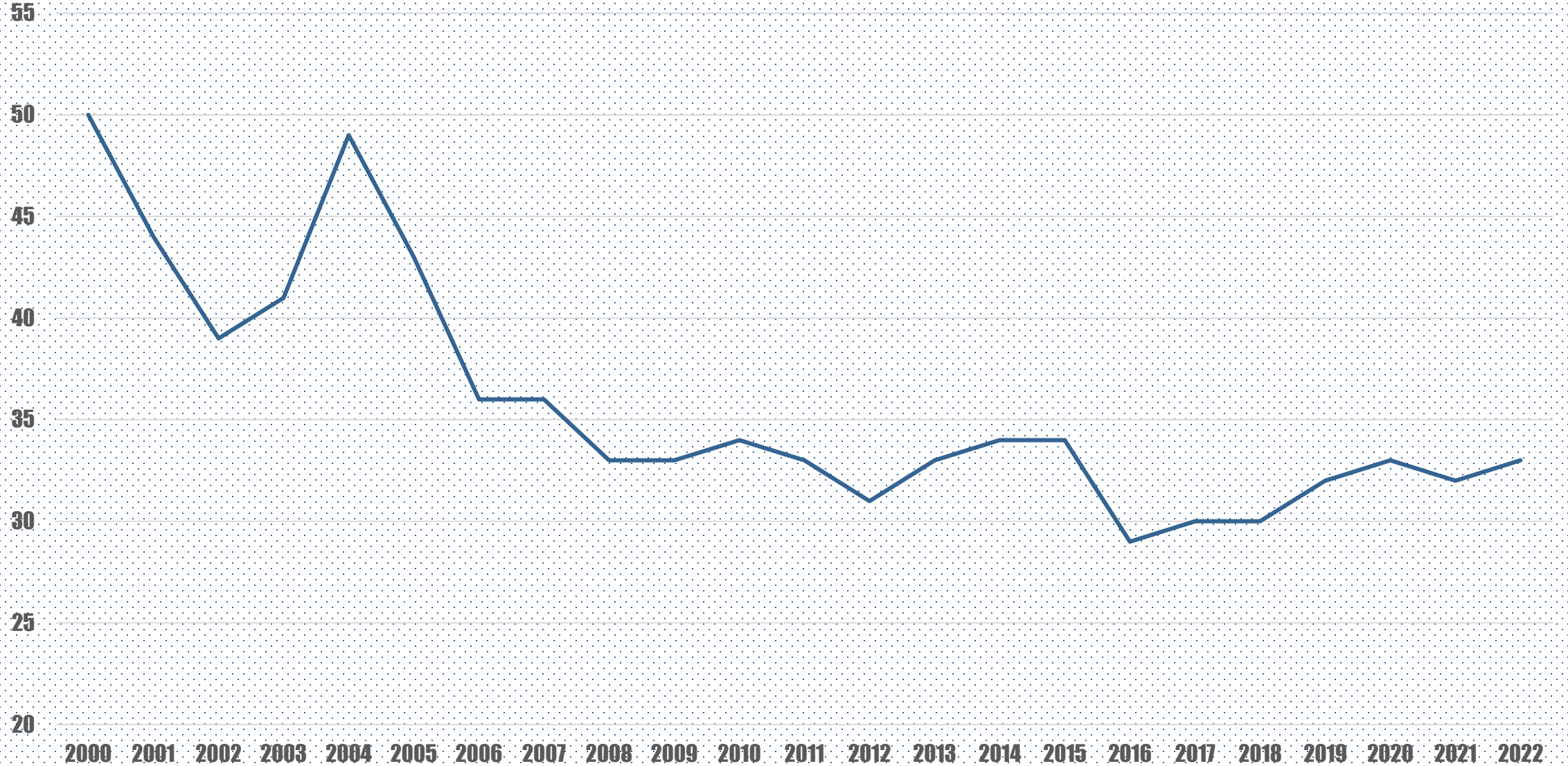
EQUIPMENT REPLACEMENT PLAN

Sources	2021	2022	2023	2024	2025	2026
MVH 1173-44500	\$ 456,430.00	\$ 456,430.00	\$ 456,430.00	\$ 456,430.00	\$ 456,430.00	\$ 456,430.00
MVH 1173-20013		\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00
MVH 1176-44500	\$ 7,500.00	\$ 7,500.00	\$ 7,500.00	\$ 7,500.00	\$ 7,500.00	\$ 7,500.00
MVH 1176-44502	\$ 21,439.00	\$ 21,439.00	\$ 21,439.00	\$ 21,439.00	\$ 21,439.00	\$ 21,439.00
MVH 1176-44505		\$ 159,000.00	\$ 159,000.00	\$ 159,000.00	\$ 159,000.00	\$ 159,000.00
LR&S	\$ 159,000.00			\$ -	\$ -	
TOTAL	\$ 644,369.00	\$ 704,369.00	\$ 704,369.00	\$ 704,369.00	\$ 704,369.00	\$ 704,369.00
Uses	2021	2022	2023	2024	2025	2026
Tandem Axle Dump Truck (Lease)	\$ 60,000	\$ 76,140	\$ 76,140	\$ 114,210	\$ 114,210	\$ 114,210
Enterprise (14 Trucks)	\$ 159,000	\$ 133,000	\$ 159,000	\$ 159,000	\$ 159,000	\$ 159,000
Paver		\$ 32,506	\$ 32,506	\$ 32,506	\$ 32,506	\$ 32,506
Grader	\$ 177,095	\$ 177,095	\$ 177,095	\$ 177,095	\$ 177,095	\$ 180,110
Property Tax	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000
Ditcher	\$ 47,278	\$ 47,278	\$ 47,278	\$ 47,278		
Berm Cutter	\$ 46,429	\$ 46,429	\$ 46,429	\$ 46,429		
Distributor	\$ 17,129	\$ 34,258	\$ 34,258	\$ 34,258	\$ 34,258	\$ 34,258
Loader	\$ 65,000	\$ 50,000	\$ 65,000			
Broom (1991)		\$ 21,000	\$ 40,000			
Roller	\$ 30,600	\$ 61,200	\$ 30,600	\$ 30,600	\$ 30,600	
Snow Plows	\$ 8,500					
Mini Excavator	\$ 16,034					
Brush chipper (1992 & 2000)						\$ 70,000
Single Axle Dump Truck (2007)			\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000
Skid Steer Attachments		\$ 50,000				
Tractor (1989)				\$ 35,000	\$ 35,000	\$ 35,000
Slide in Salt Bed	\$ 5,435	\$ 6,100	\$ 12,200			
Excavator (2006)			\$ 75,000	\$ 75,000	\$ 75,000	
Rubber Tire Roller (1991)						
PUG MILL (1965)						
Chip Box (2001)						
2 Tandem					\$ 114,210	\$ 114,210
1 Extra Grader				\$ 50,000	\$ 50,000	\$ 50,000
Tractor Drag						\$ 35,000
Skid Steer						
Paid Total	\$ 525,836					
TOTAL	\$ 647,500	\$ 750,006	\$ 840,506	\$ 846,376	\$ 1,026,879	\$ 869,294
Budget Surplus (Shortfall)	\$ (3,131.09)	\$ (45,637.09)	\$ (136,137.09)	\$ (142,007.09)	\$ (322,510.09)	\$ (164,925.00)
		Done				
		Replacement				
		Wants				

EQUIPMENT

- **AVERAGE AGE OF EQUIPMENT AND TRUCKS IS 14 YEARS OLD**
 - **TRACTOR 1989**
 - **BRUSH CHIPPER 1992**
 - **RUBBER TIRE ROLLER 1991**
 - **BARBER GREEN (ASPHALT PLANT) 1965**

EMPLOYEES



EMPLOYEES

- **RIGHT NOW 33 TOTAL**
 - **3 OPENINGS** (6,240 HOURS A YEAR MORE PRODUCTIVE)
- **WOULD LIKE TO HAVE 4 NEW= \$266,423**
 - **SALARY- \$40,960**
 - **PERF- \$4,587.52**
 - **SOCIAL SECURITY/ MEDICARE- \$3,133.44**
 - **INSURANCE- \$17,924.66**
 - **\$66,605.62 TOTAL/ EMPLOYEE**

SAVINGS BY PICKING UP OWN MATERIAL

Product <input type="text" value="v↑"/>	Total Cost for Pick Up (Labor, Fuel Incl.)	Total Cost if Delivered	Total SAVINGS
11 Stone	\$15,604.62	\$17,308.88	\$1,704.26
4 Stone	\$4,338.30	\$4,964.85	\$626.55
5 Stone	\$20,340.52	\$27,448.70	\$7,108.18
53 Stone	\$8,205.83	\$11,422.38	\$3,216.54
8 Gravel	\$92,861.13	\$107,101.43	\$14,240.30
8 Stone	\$266.85	\$350.52	\$83.67
Pea Gravel	\$55,054.71	\$63,553.86	\$8,499.14
Rip Rap	\$1,058.40	\$1,186.49	\$128.08
Sand	\$40,749.09	\$52,072.49	\$11,323.40
Grand Total	\$238,479.46	\$285,409.59	\$46,930.12

SAVINGS CONT..

- **KEEPING AND ORGANIZING INVENTORY ON SHOP SUPPLIES**
- **TRANSITIONING FROM GAS (6MPG) TO DIESEL (14 MPG)**
- **ORDERING DIESEL EXHAUST FLUID IN BULK** (ROUGHLY SAVING \$0.60/ GALLON)

TOTAL

**Road treatment
Gravel
Equipment
Employees**

\$ 2,495,440 in addition to current budget