

Option 1 - Existing Equipment and Door Operators

Project Cost - \$144,500

Project Timeline - 9 weeks

Length of Shutdown (per elevator) - 3 weeks

This option includes preventive maintenance to the existing elevator equipment and maintenance to correct known issues..

This includes:

- Installing new sump pumps
- Closing off hoistway vents
- Replacing seals, gaskets, and bearings on all elevator geared machines
- Performing maintenance to the commutators and brushes on existing DC motors
- Replacing all elevator door operating equipment

- Replace Shaft 2 oil buffers

This is beyond the standard maintenance performed by DC Elevator under their service contract. This work will extend the life of the main mechanical equipment in the elevator system, reducing future downtime associated with the motors and machines. Door malfunctions make up approximately half of service calls, and door operator replacement should markedly reduce this.

Option 1							
EOP Architects							10/8/2019
MS Section	Description	Quantity	Unit	Unit Price			Total Cost
				Material	Labor	Combined	
092000	Remove hoistway vents, patch openings in shaft wall	2	each	\$60.00	\$380.00	\$440.00	\$880.00
142000	Perform maintenance on motor commutators and brushes	3	each			\$1,000.00	\$3,000.00
142000	Replace seals, gaskets, and bearings on geared machines	3	each			\$2,500.00	\$7,500.00
142000	Demo and replace door operators, hardware, clutches, and interlocks	3	elev			\$30,000.00	\$90,000.00
142000	Demo and replace oil buffers in Shaft 2 pit	2	each			\$3,000.00	\$6,000.00
221000	New sump pumps and piping, pit cover	2	each	\$450.00	\$500.00	\$950.00	\$1,900.00
Subtotal 1:							\$109,280.00
Overhead and Profit: 15%							\$16,392.00
Subtotal 2:							\$125,672.00
Owner contingency: 15%							\$18,850.80
Total Cost, Option 1:							\$144,522.80