



EasyVol: Ingredients

Teeth vs Bridge

DECISION MAKER

You!!!

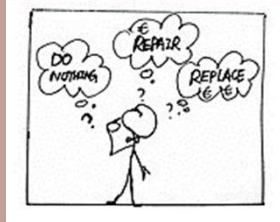
Objective: Get well soon with least efforts!



DECISION MAKER

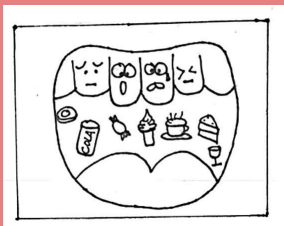
Bridge operator

Objective: Safe and functional structure with the least expected costs



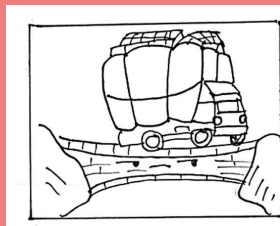
EXPOSURE

- Every day eating
- Eating too much sugar
- Breaking due to a fall



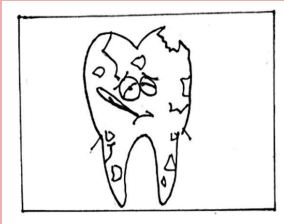
EXPOSURE

- Operation (traffic), Natural actions (temperature, wind...)
- Aggressive environment, climate change
- Extreme events



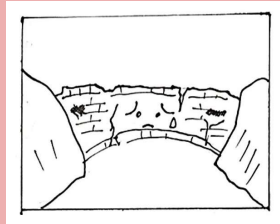
DAMAGE

- Stains, small cracks, cavities
- Gums inflamed
- Wear and tear



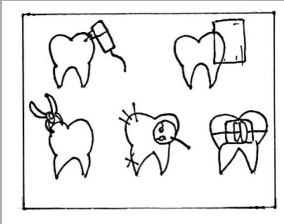
DAMAGE

- Corrosion, small cracking from loading
- Deflections, excessive vibration
- Fatigue



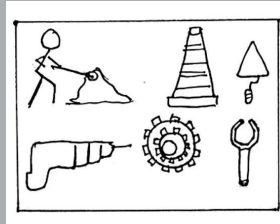
ACTIONS

- Brush teeth regularly
- Go to the dentist for a check up
- Do x-rays of teeth



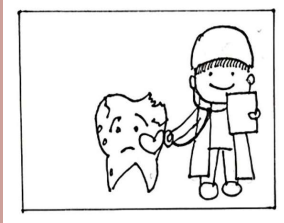
ACTIONS

- Preventive or corrective maintenance
- Replace part or the entire bridge
- Do nothing



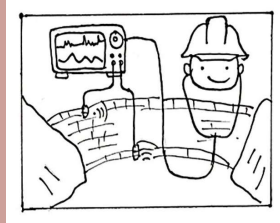
MONITORING

- Our nervous system (for free)
- Go to the dentist for a check up
- Do x-rays of teeth



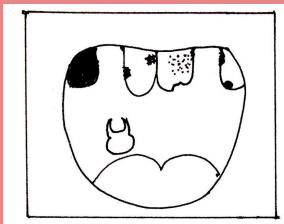
MONITORING

- Visual inspection
- Non-Destructive Testing
- Day Monitoring



CONSEQUENCES

- You don't look so good...
- You are in pain
- You cannot eat properly
- You cannot eat at all
- Your teeth fall out



CONSEQUENCES

- Unsafe appearance...
- Excessive deformation
- Traffic restriction
- The bridge has to close
- The bridge collapses!

