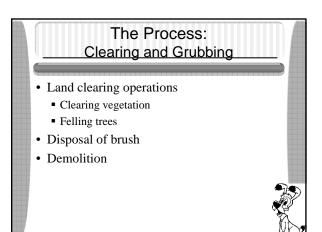


- Average thickness of material (*t*)
- Area of cross section (a)
- Length of pavement (*l*)

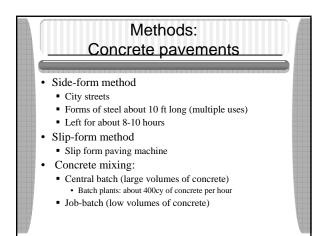
```
Volume of concrete = a \ge t \ge l (CY)
```

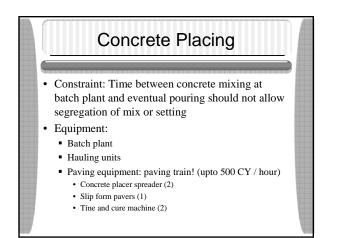
- Spacing between joints (Trans: 15-20')
- Joint width (1/8-1/4") and depth (1/4-1/3 of concrete thickness)
- · Steel reinforcements

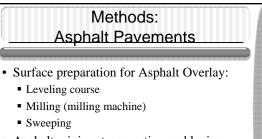


Preparation of Sub-grade

- Sub-grade stabilization
- Over-excavation of poor sub-grade
- Equipment:
 - Self propelled mechanical sub-grader lead by a stringline
 - Compaction equipment
 - Wetting with water if necessary







- Asphalt mixing, transporting and laying
- Asphalt paving
- Compacting asphalt mixes

Equipment

- Milling Machine
 - Specs: Cut width: 1.5" -8' Cut depth: Upto 10" per pass Production rate: 100 – 200T / hour
- Asphalt paver (125 300ft/min)
- Compaction Rollers used
- Combination: Mix < Truck/material transfer vehicle < Paver < Rollers