WSDOT Concrete Network (13% of Total State Maintained)

- Concrete pavements are in high-traffic locations

- 36% of concrete pavements have had preservation:
  - DBR (17%)
  - Grinding (11%)
  - Panel Replacement (8%)

- 64% of concrete pavements untouched since construction

- 50% of concrete network is over 40 years old
“Triage” Approach for Concrete Pavement

- Past resuscitation
  - Reconstruction
- Immediate (Life Threatening)
- Delayed
  - Serious, but non-life threatening
- Minor
  - “Walking Wounded”
“Triage” Approach for Concrete Pavement

- Selective panel replacement for structural failure
“Triage” Approach for Concrete Pavement (cont.)

• Dowel Bar Retrofit
  – Do early enough to slow rate of deterioration
  – Includes grinding
“Triage” Approach for Concrete Pavement (cont.)

- Diamond Grinding
  - Evaluated when ruts (from studded tire wear) exceed \( \frac{1}{2} \)
“Triage” Approach for Concrete Pavement (cont.)

- Sealing & Patching

For example: Ure-Fast polymer concrete
www.liquidconcrete.com
• Patch placed in 2005