

ITD D1 Bridge Maintenance

TJ Gibson Bridge and Building & Coeur D Alene Metro
Maintenance Foreman

Intro and history

- D1 ITD Bridge CDA Metro foreman.
- Residential construction background.
- ITD for almost 8 years.
- Started as Bridge Maintenance Tech.
- Promoted to foreman bridge and 170.

Bridge Maintenance Activities

- Bridge washing and cleaning
- Bridge deck repair
- Bridge joint repair
- Bridge superstructure repair
- Bridge curb railing and accessory repair

Bridge cleaning

- Sweeping and flushing
- Cleaning drains and drainage systems
- Washing structure
- Cleaning pier caps
- Cleaning barring and abutments
- Washing piers piles and bents



Clogged drain













Cleaning bridges will help your inspectors





Bridge deck repair

03/23/2021 01:19 pm

Some of the materials we use:

- Cementitious, such as, concrete (Class 40), Euco speed, and Dayton Superior HD 50, Master Emaco
- Bridge Bond
- PPC
- PF-60
- Dural 335





No Tracks bridge deck repair I-90 MP 70.8



























No Tracks after the repairs







04/05/2021 10:02 AM



01/05/2001 10:00 AM





04/05/2021 10:04 AM

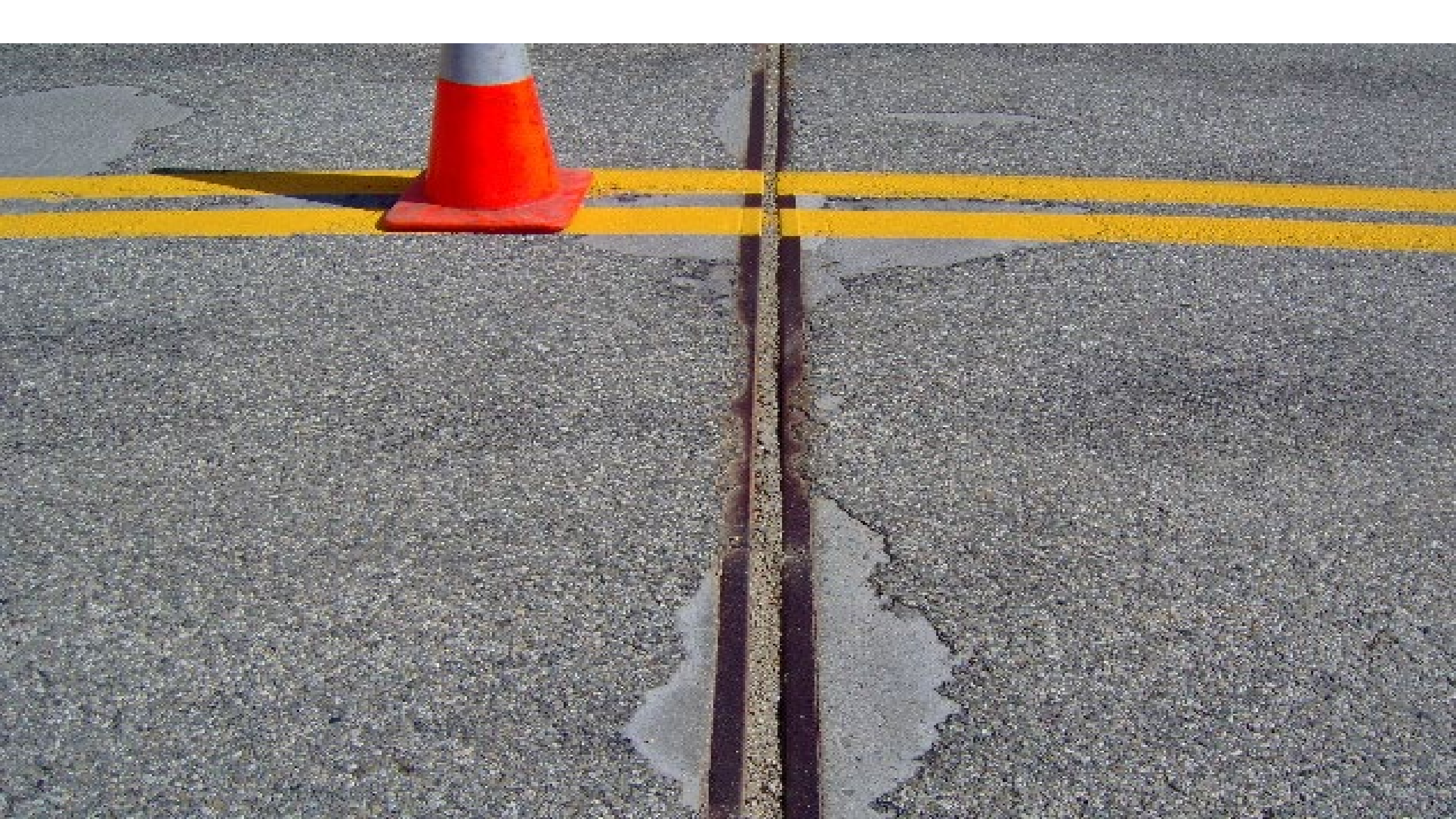


Bridge joint repair and maintenance



Debris in Joint



















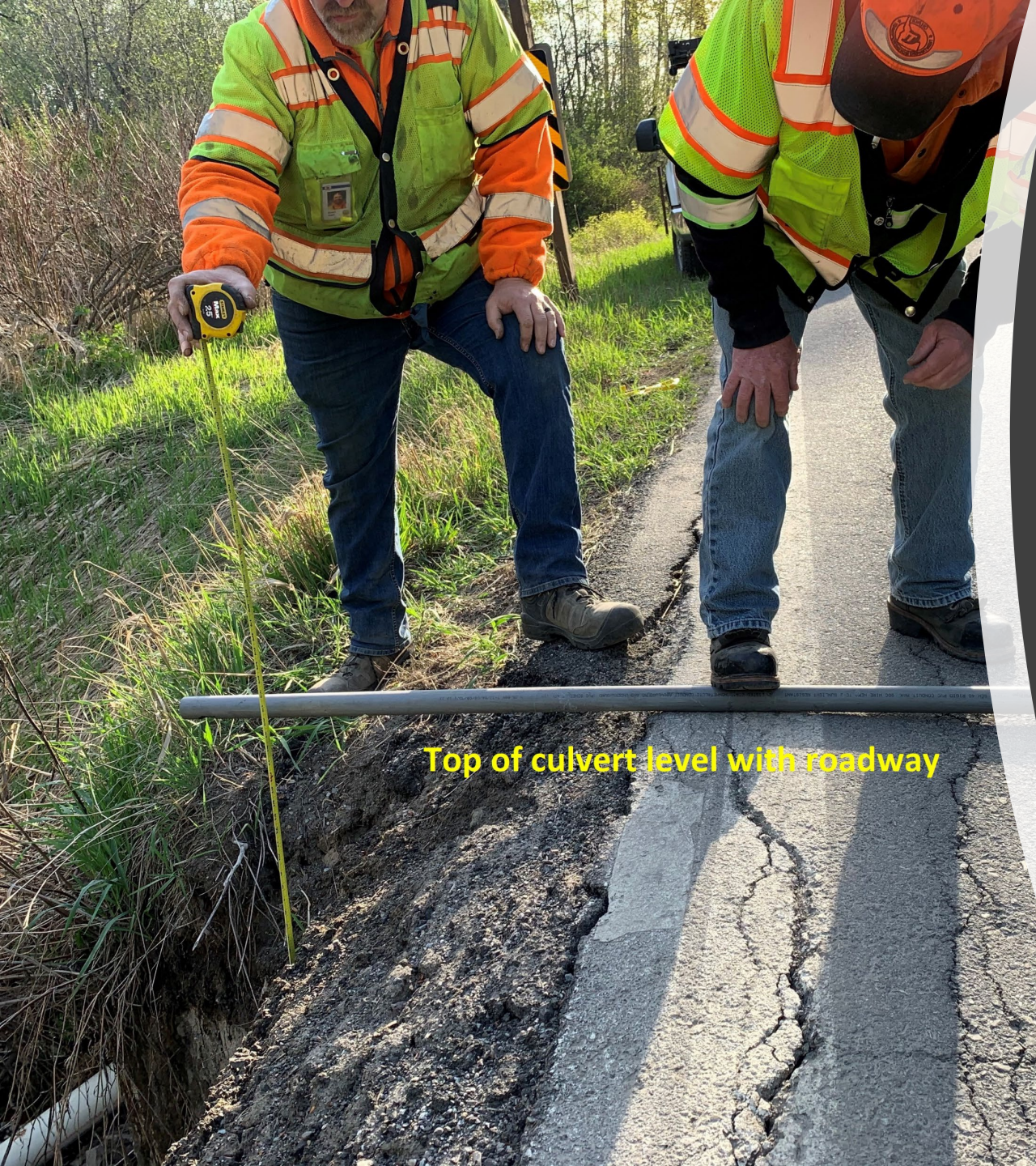




Super Structure Repair







SH-5 Box culvert curb extension

Top of culvert level with roadway

17' across box culvert















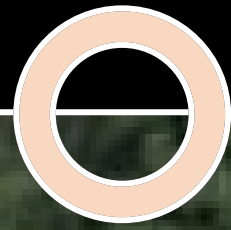




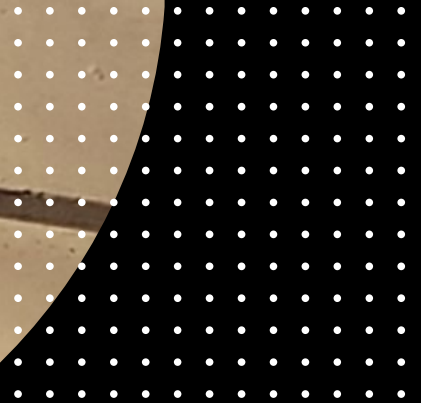
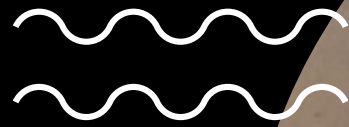
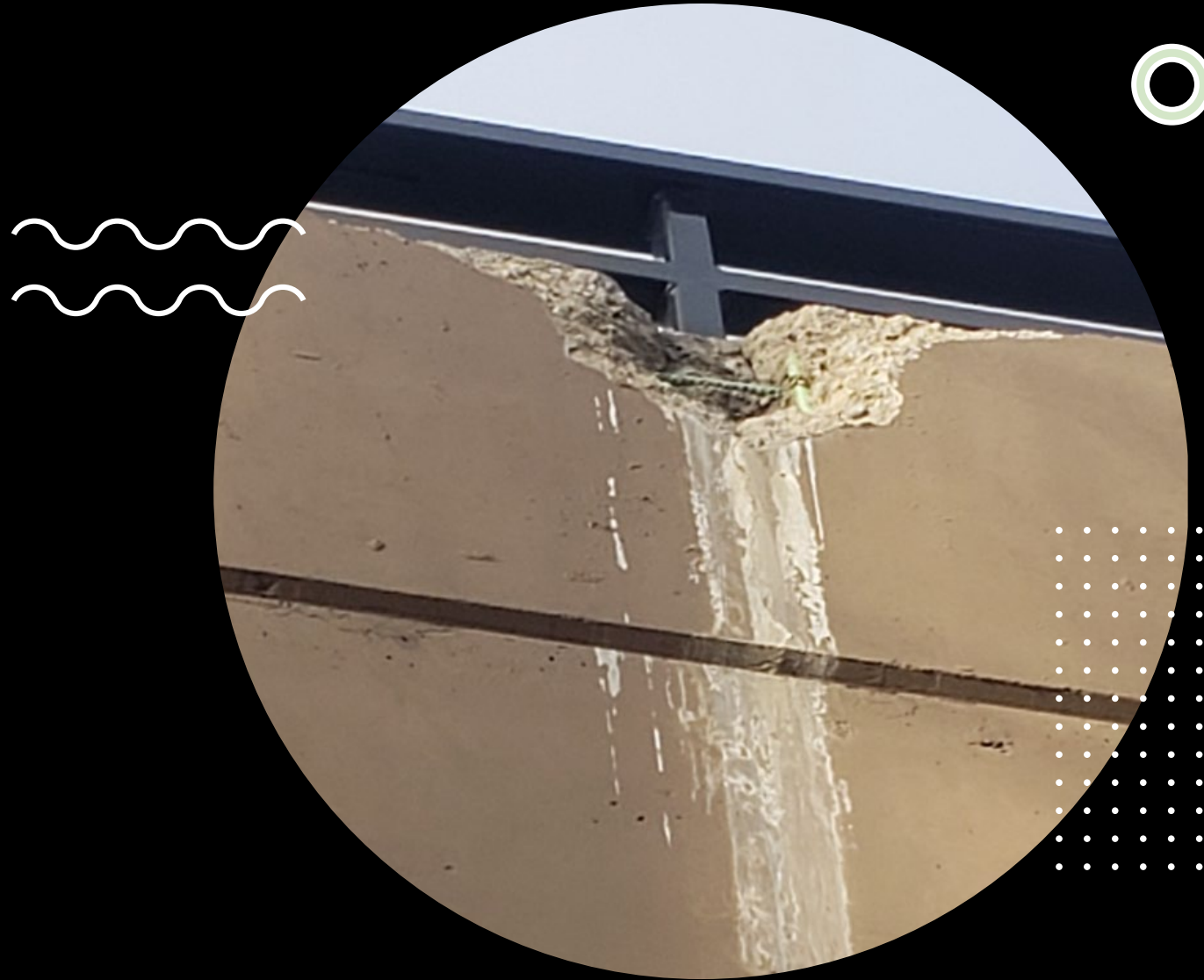








Curb rail and accessory repair







Not a good design















Questions